

Jakarta, 7 Mei 2010

Kepada Yth.

Bapak/Ibu Peserta Pelatihan “Project Cycle” 2006 – 2007

Kementerian Pekerjaan Umum

Jl. Pattimura 20

Kebayoran Baru

Jakarta

Perihal : ***Kuesioner Tesis Pelatihan “Project Cycle” 2006 - 2007***

Dengan hormat,

Saya, Abdul Afif, adalah salah seorang nara sumber (pengajar) Pelatihan “Project Cycle” yang diselenggarakan oleh Badan Pembinaan Konstruksi, Kementerian Pekerjaan Umum, sejak tahun 2006 sampai sekarang.

Saat ini saya sedang menempuh pendidikan pasca sarjana di Magister Perencanaan dan Kebijakan Publik, Fakultas Ekonomi Universitas Indonesia (MPKP-FEUI). Sebagai persyaratan kelulusan, saya harus menyusun tesis. Rencana tesis yang akan saya susun adalah: **EFEKTIVITAS PELATIHAN “PROJECT CYCLE” KEMENTERIAN PEKERJAAN UMUM**. Pelatihan “Project Cycle” adalah pelatihan yang pernah bapak/ibu ikuti. Untuk maksud tersebut saya membutuhkan bantuan dari bapak/ibu sebagai responden, yaitu memberikan informasi dengan mengisi kuesioner yang saya kirimkan kepada bapak/ibu terlampir.

Perlu saya sampaikan di sini bahwa rencana tesis saya ini telah mendapat persetujuan penuh dari Bapak Menteri Pekerjaan Umum dan Bapak-bapak Pejabat eselon yang terkait di bawahnya.

Karena keterbatasan waktu yang disediakan oleh MPKP-FEUI untuk menyusun tesis tersebut, sudilah kiranya bapak/ibu mengisi kuesioner yang saya kirimkan ini selambat-lambatnya tanggal 21 Mei 2010. Selanjutnya, kuesioner yang telah terisi akan saya ambil dan kumpulkan sendiri.

Atas semua bantuan dan kerjasama bapak/ibu saya ucapkan terima kasih.

Hormat saya,

Abdul Afif

Mahasiswa MPKP-FEUI, Salemba, Jakarta

HP: 0813 1910 7117; Email: abdulafif44@yahoo.com

KUESIONER

Studi

EFEKTIVITAS PELATIHAN "PROJECT CYLCE" KEMENTERIAN PEKERJAAN UMUM

Keterangan:

Isilah kotak kosong di sebelah kanan kuesioner dengan angka yang terdapat di setiap pertanyaan. Misalnya, untuk pertanyaan I.1, jika jenis kelamin Anda adalah laki-laki maka isilah kotak kosong sebelah kanan dengan angka 1; dan jika jenis kelamin Anda perempuan maka isilah dengan angka 2.

I. IDENTITAS RESPONDEN;

1. Jenis kelamin:

1 = Laki-laki;

2. = Perempuan

2. Pendidikan terakhir yang ditamatkan:

1. S1;

2. S2;

3. S3

3. Mengikuti pelatihan "Project Cycle" di Angkatan Ke:

1. Ke-1 (Jakarta, 2006);

2. Ke-2 (Makassar, 2006);

3. Ke-3 (Batam, 2006);

4. Ke-4 (Denpasar, 2006);

5. Ke-5 (Mataram, 2006);

6. Ke-6 (Manado, 2006);

7. Ke-7 (Pekanbaru, 2006);

8. Ke-8 (Jakarta, 2007);

9. Ke-9 (Yogyakarta, 2007);

10. Ke-10 (Denpasar, 2007);

11. Ke-11 (Medan, 2007)

4. Golongan, jabatan dan bidang pekerjaan:

	Gol	Jabatan	Bidang Pekerjaan
- Pada saat mengikuti pelatihan:	<input type="text"/>	<input type="text"/>	<input type="text"/>
- Saat sekarang:	<input type="text"/>	<input type="text"/>	<input type="text"/>

- Golongan:* 1 =
2 =
- Jabatan:* 1 =
2 =
- Bidang Pekerjaan:* 1 =
2 =

II. ALASAN DAN PENGALAMAN MENGIKUTI PELATIHAN "PROJECT CYCLE"

1. Sebelum mengikuti pelatihan "Project Cycle" yang diselenggarakan oleh Badan Pembinaan Konstruksi, Kementerian Pekerjaan Umum, apakah pernah mengikuti pelatihan lain, khususnya yang terkait dengan perencanaan, appraisal dan manajemen proyek-proyek infrastruktur?

1. Ya;
2. Tidak pernah

Jika ya, sebutkan nama pelatihan tersebut:

.....

.....

.....

.....

2. Mengikuti pelatihan "Project Cycle" karena:

1. Kemauan sendiri;
2. Perintah atasan;
3. Kemauan sendiri dan juga perintah atasan;
4. Lainnya, sebutkan

III. PANDANGAN RESPONDEN TERHADAP PELATIHAN "PROJECT CYCLE"

1. Waktu (*timing*) penyelenggaraan pelatihan "Project Cycle"

1. Tepat;
2. Tidak tepat

2. Lama waktu pelatihan "Project Cycle"

1. Singkat;
2. Cukup;
3. Lama

3. Apakah Anda memahami sub modul materi pelatihan "Project Cycle"?

No. Sub Modul	Nama Sub Modul	Pemahaman Anda		
		Sedikit	Cukup	Banyak
I.1	Concept and Indicators of Development			
I.2	National, Sector and Project Planning			
I.3	Sustainability			
I.4	Project Definition and Project Sequence			
I.5	Project Framework			
II.1	Project Identification			
II.2	Demand Analysis			
II.3	Forecasting			
II.4	Regression & Correlation			
II.5	Capacity Estimation of Present Facilities			
II.6	Establishing Gap for Identification of Project			
III.1	Time Value of Money			
III.2	Capital Recovery Factor and Sinking Fund Factor			
III.3	Measures of Project Worth (NPV, IRR, BCR)			
III.4	Debt Repayment			
III.5	Annual Statement of Cost and Benefit			
III.6	Uncertainty Analysis			
IV.1	Project Formulation			
IV.2	Choice of Technology			
IV.3	Economies of Scale			
IV.4	Cost Concept and Cost Estimation			
IV.5	Benefit Enumeration of Project			
IV.6	Cost Effectiveness Analysis			
IV.7	Community Participation			
IV.8	Mutual Exclusive Project			
IV.9	Joint Cost Allocation			
IV.10	Analysis of Multi-purpose Projects			
V.1	Environmental Impact Assessment			
V.2	Land Acquisition and Resettlement Action Plan			
VI.1	Financial Analysis of Project			
VI.2	Cost Recovery and Tariff Design			
VII.1	Economic Appraisal of Project			
VII.2	Shadow Pricing			
VII.3	Traded and Non-traded			
VII.4	Shadow Discount Rate			
VIII.1	Project Implementation, Management and Control Cycle			
VIII.2	Planning the Work			
VIII.3	Project Management Organization			
VIII.4	Project Management Information System			
VIII.5	Contracts and Bid Evaluation			
VIII.6	Working the Plan			
VIII.7	Private Sector			

Catatan: beri tanda V pada kolom untuk jawaban yang tersedia untuk setiap penilaian Anda

4. Metode pembelajaran dalam pelatihan "Project Cycle"

Metode Pembelajaran	Penilaian Anda		
	Sedikit	Cukup	Banyak
1. Tatap muka			
2. Diskusi			
3. Studi kasus			
4. <i>Exercise</i> (latihan)			

Catatan: beri tanda V pada kolom untuk jawaban yang tersedia untuk setiap penilaian Anda

5. Media dalam pembelajaran pelatihan "Project Cycle"

Sarana Pembelajaran	Penilaian Anda		
	Sedikit	Cukup	Banyak
1. <i>Handout</i>			
2. LCD			
3. <i>White board</i>			
4. Alat tulis			

Catatan: beri tanda V pada kolom untuk jawaban yang tersedia untuk setiap penilaian Anda

6. Kemampuan nara sumber (pengajar) dalam memberi materi pelatihan "Project Cycle"

No.	Nama Nara Sumber	Penilaian Saudara		
		Kurang mampu	Cukup mampu	Sangat mampu
1.	Ir. Abdul Afif, MBA			
2.	Ir. Didik Hari Wilopo, MSc			
3.	Ir. Betty Sri Nurhayati, SE			
4.	Ir. Aryono Santoso, MT			
5.	Ir. Fifi Haryoto, MT			
6.	Ir. Ivonne Ariati			
7.	Dr. Ir. Bambang Priyambodho, MSc			
8.	Ir. Hari Purwanto, SE, MPd			
9.	Ir. Suroto Prajitno, Dipl.SI			

Catatan: beri tanda V pada kolom untuk jawaban yang tersedia untuk setiap penilaian Anda

IV. MANFAAT PELATIHAN "PROJECT CYCLE"

1. Manfaat bagi peningkatan karier di Kementerian Pekerjaan Umum

1. Tidak bermanfaat;
2. Cukup bermanfaat;
3. Sangat bermanfaat

2. Sub modul materi pelatihan "Project Cycle" yang sangat bermanfaat dan tidak bermanfaat bagi tugas pekerjaan Anda

No. Sub Modul	Nama Sub Modul	Penilaian Anda	
		Sangat bermanfaat	Tidak bermanfaat
I.1	Concept and Indicators of Development		
I.2	National, Sector and Project Planning		
I.3	Sustainability		
I.4	Project Definition and Project Sequence		
I.5	Project Framework		
II.1	Project Identification		
II.2	Demand Analysis		
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VIII.4	Project Management Information System		
VIII.5	Contracts and Bid Evaluation		
VIII.6	Working the Plan		
VIII.7	Private Sector		

Catatan: beri tanda V pada kolom untuk jawaban yang tersedia untuk setiap penilaian Anda

3. Pengaruh pelatihan "*Project Cycle*" terhadap kinerja bagi unit kerja di tempat Anda kini bekerja dan bagi Kementerian Pekerjaan Umum secara keseluruhan

	Pengaruh terhadap kinerja bagi unit kerja di tempat Anda kini bekerja	Pengaruh terhadap kinerja bagi Kementerian Pekerjaan Umum secara keseluruhan
Pengaruhnya sangat kecil		
Pengaruhnya kecil		
Pengaruhnya cukup		
Pengaruhnya besar		
Pengaruhnya sangat besar		

Catatan: beri tanda V pada kolom untuk jawaban yang tersedia untuk setiap penilaian Anda

4. Apakah Anda berpendapat bahwa pelatihan "*Project Cycle*" perlu dilanjutkan untuk angkatan berikutnya?

1. Ya;
2. Tidak

5. Berikan saran Anda untuk peningkatan mutu pelatihan "*Project Cycle*"

6. Berikan komentar/saran Anda lainnya tentang pelatihan "*Project Cycle*"

URAIAN MATERI PELATIHAN “PROJECT CYCLE”

1.1 Concept and Indicators of Development

(1) Deskripsi Singkat

Submodul ini menjelaskan tentang konsep dan indikator pembangunan berkenaan dengan kesejahteraan rakyat.

(2) Tujuan Instruksional Umum

- a) Mengerti mengenai konsep pembangunan dan indikator-indikatornya.
- b) Mengerti mengenai siklus kemiskinan yang berputar-putar pada persoalan pendapatan yang rendah, kemampuan menabung yang rendah, kemampuan investasi yang rendah, dan kemampuan menaikkan produktifitas yang rendah.

(3) Tujuan Instruksional Khusus

- a) Mampu membuat konsep bagaimana cara memutus siklus kemiskinan.
- b) Mampu menggunakan indikator-indikator social dan ekonomi untuk mengukur tingkat kesejahteraan rakyat.

1.2 National, Sectors, and Project Planning

(1) Deskripsi Singkat

Submodul ini menjelaskan tingkat perencanaan pembangunan yang dilakukan oleh pemerintah pada tingkatan nasional (makro), tingkatan sektor (intermediate) dan proyek (mikro).

(2) Tujuan Instruksional Umum

Mengerti tentang proses dan perencanaan pembangunan ekonomi terpadu pada tingkatan nasional, sektor dan proyek yang berbeda-beda.

- (3) Tujuan Instruksional Khusus
 - a) Mampu mengkoordinasikan hubungan interaksi antara tingkat nasional, sektor dan proyek dan memperkirakan implikasi kebijakannya.
 - b) Mampu memeriksa kelayakan investasi infrastruktur di dalam perencanaan tingkat nasional, sektor dan proyek meliputi kelayakan ekonomi, financial, kapasitas organisasi, dan kecukupan tenaga kerja dan sumber daya lainnya.
 - c) Mampu memperhitungkan dana yang digunakan untuk pembangunan proyek infrastruktur akan mendapat pengembalian.

1.3 Sustainability

- (1) Deskripsi Singkat

Submodul ini menguraikan tentang kebijakan yang mengarah kepada pencapaian hasil pembangunan proyek infrastruktur yang berhasil dengan baik untuk seterusnya secara lestari berkesinambungan sampai masa yang akan datang.
- (2) Tujuan Instruksional Umum

Mengerti unsur-unsur yang mempengaruhi pembangunan proyek yang berkesinambungan.
- (3) Tujuan Instruksional Khusus
 - a) Mampu menjaga stok sumber daya alam untuk pembangunan infrastruktur..
 - b) Mampu menjaga keadilan intra-generasi dan inter-generasi dalam pembangunan proyek infrastruktur.
 - c) Mampu merencanakan penambahan stok (Rate of Return) sumber daya alam untuk pembangunan infrastruktur.

1.4 Project Definition and Project Sequence

(1) Deskripsi Singkat

Submodul ini menjelaskan tentang apa yang disebut dengan proyek infrastruktur dan tahapan-tahapan yang harus dilalui pada proses pembangunannya secara berurutan.

(2) Tujuan Instruksional Umum

Memahami karakteristik proyek infrastruktur dan urutan-urutan kegiatannya.

(3) Tujuan Instruksional Khusus

- a) Mampu menyusun tahapan-tahapan kegiatan pembangunan sebuah proyek infrastruktur dari tahapan awal sampai tahapan akhir.
- b) Mampu mengetahui suatu kegiatan pembangunan infrastruktur berada pada tahapan mana dari urutan tahapan proyek secara keseluruhan.

1.5 Project Framework

(1) Deskripsi Singkat

Submodul ini menampilkan rancangan dan penjabarannya secara rasional dari suatu pengembangan proyek infrastruktur.

(2) Tujuan Instruksional Umum

Mengerti hubungan kausal antara *input* dan *output*, antara *output* dan tujuan, serta antara tujuan dan sasaran dari pembangunan proyek infrastruktur.

(3) Tujuan Instruksional Khusus

- a) Mampu mengidentifikasi indikator keberhasilan proyek.
- b) Mampu membuat asumsi aspek lingkungan sehingga proyek menjadi berkesinambungan.

- c) Mampu membuat sebuah matriks yang terdiri dari 4 baris dan 4 kolom yang menunjukkan: baris-barisnya mengungkapkan tujuan proyek dan sarana yang akan dicapai; dan urutan kolom ke atas mengungkapkan *input* (gagasan, pengetahuan, teknologi, personil, fisik), *output* (hasil proses berbagai macam input), tujuan (sesuatu yang harus dicapai melalui proyek dalam jangka waktu tertentu), sasaran (menurut perencanaan nasional, sektor dan proyek).

II.1 Project Identification

(1) Deskripsi Singkat

Submodul ini menjelaskan tentang konseptualisasi sebuah proyek infrastruktur dengan berbagai pendekatan pada tahap awal dari urutan langkah-langkah utama proses pengembangannya..

(2) Tujuan Instruksional Umum

Mengerti berbagai pendekatan terhadap identifikasi proyek sebagai tahap awal dari urutan langkah-langkah utama proses pengembangan sebuah proyek.

(3) Tujuan Instruksional Khusus

- a) Mampu mengidentifikasi proyek pada tahap awal untuk mengubah gagasan menjadi bentuk yang nyata.
- b) Mampu menyusun persiapan penilaian proyek dari segi teknik, keuangan, ekonomi, dan lingkungan.

II.2 Demand Analysis

(1) Deskripsi Singkat

Submodul ini menguraikan analisis derajat kenaikan atau penurunan permintaan terhadap kenaikan atau penurunan harga barang.

(2) Tujuan Instruksional Umum

Mengerti faktor-faktor yang menentukan elastisitas.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung permintaan puncak dari proyek infrastruktur yang direncanakan.
- b) Mampu menetapkan faktor-faktor yang mempengaruhi permintaan.

II.3 Forecasting

(1) Deskripsi Singkat

Submodul ini menguraikan pertumbuhan proyek infrastruktur di waktu yang akan datang karena perubahan-perubahan yang mungkin terjadi atau yang menunjukkan apa yang akan terjadi dalam seperangkat keadaan yang dianggap sangat mungkin timbul karena mengandung banyak ketidakpastian.

(2) Tujuan Instruksional Umum

Mengerti metoda-metoda peramalan berkenaan dengan analisis rangkaian waktu, model-model kausal dan metoda-metoda kualitatif.

(3) Tujuan Instruksional Khusus

- a) Mampu meneliti data selama periode dimana data tersebut sudah ada
- b) Mampu meneliti kecenderungan perubahan-perubahan yang terjadi dalam periode observasi

- c) Mampu menghitung proyeksi permintaan pada periode tertentu di waktu yang akan datang

II.4 Regression and Correlation

(1) Deskripsi Singkat

Submodul ini menguraikan metode analisis yang mempelajari hubungan antar-variabel.

(2) Tujuan Instruksional Umum

Mengerti dengan baik model regresi sederhana (persamaan yang hanya mempunyai dua variabel yang berhubungan) dan model regresi berganda (persamaan yang mempunyai lebih dari dua variabel).

(3) Tujuan Instruksional Khusus

- a) Mampu melakukan pengujian dalam menentukan model terbaik.
- b) Mampu membuat persamaan yang menjelaskan pengaruh stok infrastruktur terhadap nilai tambah sektor atau PDB per kapita.
- c) Mampu menjelaskan pengaruh stok infrastruktur terhadap pertumbuhan ekonomi.

II.5 Capacity Estimation of Present Facilities

(1) Deskripsi Singkat

Submodul ini menjelaskan tahapan persiapan proyek untuk menilai kapasitas suatu sistem, apabila berdasarkan observasi fasilitas yang ada mempunyai pengaruh terhadap proyek.

(2) Tujuan Instruksional Umum

Mengerti dengan baik bagaimana melakukan penilaian terhadap kapasitas suatu sistem yang ada.

- (3) Tujuan Instruksional Khusus
 - a) Melakukan penilaian kapasitas sistem untuk memaksimalkan penggunaan sistem yang ada.
 - b) Melakukan penilaian terhadap kapasitas sistem yang ada baik secara fisik maupun secara ekonomi.

II.6 Establishing Gap for Identification of Project

- (1) Deskripsi Singkat

Submodul ini menguraikan gap antara permintaan (*demand*) yang lebih tinggi daripada penawaran (*supply*) infrastruktur saat ini agar proyek mendapatkan prioritas yang tinggi untuk mendapatkan bantuan keuangan, memperkirakan biaya sementara dan mendapat otorisasi dari sumber keuangan.

- (2) Tujuan Instruksional Umum

Mengerti dengan baik kondisi sektoral dan regional saat ini dari proyek infrastruktur yang akan dilaksanakan.

- (3) Tujuan Instruksional Khusus

- a) Mampu membuat peta yang menunjukkan daerah proyek dan pengambil manfaat.
- b) Mampu menjelaskan bagaimana proyek yang diusulkan sesuai dengan strategi nasional dan kawasan.
- c) Mampu memberi gambaran tentang tingkat pelayanan infrastruktur saat ini dan seberapa besar kekurangan (*gap*) yang harus dipenuhi.
- d) Mampu membuat program jangka menengah dan jangka panjang.
- e) Mampu menyusun rencana biaya.
- f) Mampu menyusun institusi yang bertanggung jawab.

III.1 Time Value of Money

(1) Deskripsi Singkat

Submodul ini menguraikan konsep nilai uang berdasarkan waktu dengan memperhitungkan tingkat suku bunga.

(2) Tujuan Instruksional Umum

Memahami nilai uang berdasarkan perbedaan waktu saat sekarang dan saat yang akan datang.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung nilai uang pada waktu saat yang akan datang berdasarkan nilai uang pada waktu saat sekarang dengan nilai suku bunga tertentu.
- b) Mampu menghitung nilai uang pada waktu saat sekarang berdasarkan nilai uang pada waktu saat yang akan datang dengan nilai suku bunga tertentu.

III.2 Capital Recovery Factor and Sinking Fund Factor

(1) Deskripsi Singkat

Submodul *capital recovery factor* menjelaskan tentang pengembalian modal investasi yang telah diterima dengan sistem pembayaran angsuran yang terdiri atas jumlah uang yang sama dengan interval waktu yang teratur (*annuity*). Submodul *sinking fund factor* menjelaskan tentang dana yang dibayarkan dengan sistem angsuran yang terdiri atas jumlah uang yang sama dengan interval waktu yang teratur untuk investasi yang akan diterima.

(2) Tujuan Instruksional Umum

Memahami system pembayaran angsuran yang terdiri ats jumlah uang yang sama dengan interval waktu yang teratur baik untuk pengembalian modal investasi yang telah diterima maupun untuk pembayaran dana investasi yang akan diterima.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung pembayaran pengembalian modal investasi dengan sistem angsuran yang terdiri atas jumlah uang yang sama dengan interval waktu yang teratur.
- b) Mampu menghitung pembayaran dana investasi dengan sistem angsuran yang terdiri atas jumlah uang yang sama dengan interval waktu yang teratur.

III.3 Measures of Project Worth [NPV, IRR, (B:C)R];

(1) Deskripsi Singkat

Submodul ini menguraikan tentang bagaimana mengukur nilai kelayakan suatu investasi proyek.

(2) Tujuan Instruksional Umum

Mengerti metode-metode yang digunakan untuk mengukur nilai kelayakan suatu investasi proyek.

(3) Tujuan Instruksional Khusus

Mampu melakukan perhitungan untuk mengukur nilai kelayakan proyek dengan metode-metode:

- a) *Net Present Value (NPV)*
- b) *Internal Rate of Return (IRR)*
- c) *Benefit Cost Ratio (BCR)*

III.4 Debt Repayment

(1) Deskripsi Singkat

Submodul ini menguraikan tentang perjanjian pinjaman (*loan agreement*) dengan pihak luar negeri, baik yang menyangkut badan pemberi pinjaman (*the Bank*) maupun peminjam (*the Borrower*).

(2) Tujuan Instruksional Umum

Mengerti tata cara pembayaran pinjaman luar negeri yang terdiri dari jadwal pembayaran kembali dana pinjaman, pinjaman pokok, bunga pinjaman (*interest*), tenggang waktu pemakaian dana (*grace period*), premi pembayaran di muka (*premium on prepayment*), bunga selama pelaksanaan proyek (*interest during construction*), biaya perjanjian (*commitment fee charge*), dan periode pinjaman (*period of the loan*) yang secara keseluruhan diatur dalam jadwal pengembalian pinjaman (*debt repayment schedule*).

(3) Tujuan Instruksional Khusus

- a) Mampu melakukan perhitungan dan persiapan perjanjian pinjaman luar negeri untuk investasi proyek.
- b) Mampu membuat perhitungan berapa besar pembayaran kembali harus dilakukan jika terjadi kelambatan dalam penarikan dana loan.

III.5 Annual Statement of Cost and Benefit

(1) Deskripsi Singkat

Submodul ini menguraikan tentang arus kas sebagai analisis perkiraan dana yang masuk dan keluar selama proyek berjalan yang selisihnya merupakan keuntungan bersih dan digunakan untuk menghitung keuntungan financial (bagi penanam modal) atau

keuntungan ekonomi (bagi kepentingan nasional) dari penanaman investasi di dalam proyek infrastruktur.

(2) Tujuan Instruksional Umum

Mengerti dasar perhitungan kegiatan proyek berdasarkan besaran dan waktu yang sama untuk membandingkan investasi terhadap keuntungan proyek, dan menghitung tingkat likuiditas proyek berdasarkan cara pembiayaannya.

(3) Tujuan Instruksional Khusus

Mampu menyusun laporan tahunan yang berisi perhitungan-perhitungan:

- a) Biaya pengeluaran yang terdiri dari biaya investasi dan biaya operasional.
- b) Keuntungan proyek yang dapat diukur dan yang tidak dapat diukur dalam bentuk uang.
- c) Menyusun arus kas dengan nilai konstan dan nilai saat ini, serta arus kas pada tingkat swasta dan tingkat nasional.
- d) Menentukan usia proyek
- e) Menghitung nilai barang bekas, biaya penggantian dan penyusutan.

III.6 Uncertainty Analysis.

(1) Deskripsi Singkat

Submodul ini menguraikan analisis cost benefit dalam perencanaan proyek yang tidak hanya memerlukan informasi tentang parameter *cost of input* dan *rate of discount* saja, tetapi juga perkiraan kondisi yang akan datang.

(2) Tujuan Instruksional Umum

Mengerti beberapa rumusan sederhana (*thumb rules*) dan metode perkiraan.

- (3) Tujuan Instruksional Khusus
 - a. Mampu membuat langkah-langkah pendekatan sistematis dalam melakukan analisis.
 - b. Mampu membuat suatu keputusan melalui kriteria yang berbeda dengan *decision theory*.

IV.1 Project Formulation

- (1) Deskripsi Singkat

Submodul ini menguraikan bagaimana memformulasikan proyek infrastruktur yang akan menjamin bahwa *gap* antara *supply* dan *demand* terpenuhi secara optimal.
- (2) Tujuan Instruksional Umum

Mermahami formulasi proyek yang menjamin terpenuhinya *gap* antara *supply* dan *demand* secara optimal.
- (3) Tujuan Instruksional Khusus
 - a) Mampu melakukan pemilihan teknologi, proses dan standar rancangan untuk formulasi proyek.
 - b) Mampu membuat perkiraan biaya proyek dan ketidak pastian.
 - c) Mampu merancang manfaat proyek, merancang tarif dan merancang *cashflow* proyek secara praktis.

IV.2 Choice of Technology

- (1) Deskripsi Singkat

Submodul ini menguraikan bagaimana memilih diantara teknik produksi yang efisien dan ekonomis baik dalam industri, pertanian atau infrastruktur.

(2) Tujuan Instruksional Umum

Mengerti teknologi yang tepat guna untuk suatu keadaan tertentu sehingga merupakan solusi yang efisien dan ekonomis

(3) Tujuan Instruksional Khusus

- a) Mampu membuat perhitungan matematis antara fungsi produksi dan biaya sumber daya pada kondisi yang optimum.
- b) Mampu melakukan analisis pertukaran (*trade off*) berkenaan dengan rancangan yang efisien, menghitung tambahan produktivitas dan biaya sumberdaya yang digunakan serta menghitung peningkatan pemakaian masukan ratio biaya produktivitas yang tertinggi dan mengurangi yang terendah

IV.3 Economies of Scale

(1) Deskripsi Singkat

Submodul ini menguraikan tentang strategi yang optimal dengan meningkatkan kapasitas proyek secara terus-menerus dengan kenaikan berkala sesuai dengan laju permintaan.

(2) Tujuan Instruksional Umum

Mengerti skala ekonomis untuk proyek secara keseluruhan berkenaan dengan kapasitas yang dibangun terhadap investasi yang digunakan.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung biaya investasi, operasi dan pemeliharaan untuk kapasitas yang berbeda.
- b) Mampu menghitung biaya investasi, operasi dan pemeliharaan berkaitan dengan peningkatan kapasitas.

IV.4 Cost Concept and Cost Estimation

(1) Deskripsi Singkat

Submodul ini menguraikan teori-teori tentang perencanaan biaya proyek infrastruktur seperti konsep *input-output*, substitusi, produktivitas, biaya tetap dan biaya variabel, biaya rata-rata, biaya marginal, biaya jangka pendek/jangka panjang, *diminishing returns*, *increasing/decreasing return to scale*, dan kurva-kurva biaya. Selain itu, menguraikan jenis-jenis perkiraan biaya proyek.

(2) Tujuan Instruksional Umum

Mengerti teori dasar perencanaan biaya dan perkiraan biaya suatu proyek.

(3) Tujuan Instruksional Khusus

- a) Mampu menyusun perkiraan biaya proyek, antara lain: biaya langsung, biaya tak langsung, biaya jangka pendek dan biaya jangka panjang.
- b) Mampu menganalisis probabilitas perkiraan biaya.

IV.5 Benefit Enumeration of Project

1) Deskripsi Singkat

Submodul ini menjelaskan bagaimana menghitung manfaat proyek infrastruktur.

2) Tujuan Instruksional Umum

Mengerti manfaat proyek yang langsung dan tidak langsung di tingkat pengguna dan di tingkat proyek secara kualitatif dan kuantitatif.

3) Tujuan Instruksional Khusus

- a) Mampu membuat perhitungan keuangan pada saat sebelum dan sesudah ada proyek.

- b) Mampu menunjukkan dampak proyek terhadap lingkungan, ekonomi, social, budaya dan fisik.
- c) Mampu menunjukkan manfaat proyek yang langsung dan tidak langsung di tingkat pengguna dan di tingkat proyek secara kualitatif dan kuantitatif.

IV.6 Cost Effectiveness Analysis

(1) Deskripsi Singkat

Submodul ini menerangkan cara-cara memahami konsep keefektivan pada suatu perencanaan proyek infrastruktur. Menerangkan jenis-jenis analisis keefektivan biaya, tolok ukur, dan fungsi, yang akan diperlukan sebagai dasar pengambilan keputusan untuk memilih sistem optimum pada sebuah perencanaan proyek.

(2) Tujuan Instruksional Umum

Mengerti konsep *cost effectiveness* dan memahami secara tepat analisis *cost effectiveness* pada perencanaan proyek.

(3) Tujuan Instruksional Khusus

- a) Mampu menganalisis alternatif dan perbandingan rancangan untuk memperoleh komposisi pembiayaan yang paling efektif.
- b) Mampu menganalisis biaya break event point dan biaya minimum sebagai alat pengambilan keputusan.

IV.7 Mutually Exclusive Projects

(1) Deskripsi Singkat

Submodul ini menerangkan pada kenyataan di lapangan, seringkali perencana dihadapkan pada pilihan-pilihan keterkaitan antar-alternatif proyek yang akan mempengaruhi pengambilan keputusan pada saat perencanaan proyek.

(2) Tujuan Instruksional Umum

Mengerti metodologi yang diperlukan untuk pengambilan keputusan bila dihadapkan pada situasi perencanaan *mutually exclusive project*.

(3) Tujuan Instruksional Khusus

- a) Mampu menyusun perhitungan-perhitungan biaya yang diperlukan dalam kasus *mutually exclusive project*.
- b) Mampu menganalisis perhitungan biaya untuk menentukan pilihan proyek.

IV.8 Joint Cost Allocation

(1) Deskripsi Singkat

Submodul ini menguraikan beberapa definisi analisis biaya proyek, khususnya dalam rangka memahami perencanaan proyek-proyek infrastruktur yang bersifat *multipurpose*.

(2) Tujuan Instruksional Umum

Mengerti analisis pembiayaan gabungan pada kasus *multipurpose project* menggunakan metode “*Separable Cost – Remaining Benefit*”.

(3) Tujuan Instruksional Khusus

- a) Mampu menyusun alokasi biaya gabungan pada *multipurpose project*.
- b) Mampu menganalisis perhitungan biaya proyek menggunakan metode “*Separable Cost – Remaining Benefit*”.

IV.9 Analysis of Multi-purpose Projects

(1) Deskripsi Singkat

Submodule ini menjelaskan analisis lebih jauh mengenai *joint cost allocation* untuk melakukan kombinasi-kombinasi proyek pada *multipurpose infrastructure projects*.

(2) Tujuan Instruksional Umum

Mengerti analisis yang diperlukan untuk merencanakan kombinasi-kombinasi proyek.

(3) Tujuan Instruksional Khusus

- a) Mampu menyusun perhitungan incremental Net Present Value (NPV) pada analisis “*with*” dan “*without*” *purpose* pada kasus *multipurpose project*.
- b) Mampu menghitung dan menentukan apakah suatu “*purpose*” dapat dimasukkan ke dalam *multipurpose project*.

IV.10 Community Participation

(1) Deskripsi Singkat

Submodul ini menguraikan perlunya keterlibatan masyarakat dalam manajemen proyek infrastruktur.

(2) Tujuan Instruksional Umum

Mengerti masalah-masalah yang berkaitan dengan masalah sosial, institusi, keuangan dan teknologi agar supaya masyarakat dapat berpartisipasi dalam manajemen proyek infrastruktur.

(3) Tujuan Instruksional Khusus

- a) Mampu menumbuhkan kesadaran masyarakat agar supaya mempunyai rasa memiliki dan rasa tanggung jawab dalam manajemen proyek infrastruktur.

- b) Mampu memberikan bimbingan kepada masyarakat dalam aspek demokrasi, eligibilitas, transparansi dan akuntabilitas.

V.1 Environment Impact Assessment

(1) Deskripsi Singkat

Submodul ini menguraikan pelaksanaan pembangunan proyek infrastruktur yang berwawasan lingkungan sebagai upaya sadar lingkungan dan berencana dalam mengelola sumberdaya alam secara bijaksana.

(2) Tujuan Instruksional Umum

Mengerti pengintegrasian issue lingkungan ke dalam pembangunan infrastruktur baik untuk pembangunan baru, pengembangan /perbaikan mengikuti siklus proyek.

(3) Tujuan Instruksional Khusus

- a) Mampu menyusun studi manajemen lingkungan pada tahapan perencanaan umum, pra studi kelayakan, tahapan studi kelayakan, tahapan perencanaan teknis, tahapan pra konstruksi, tahapan konstruksi, tahapan pasca konstruksi dan tahapan evaluasi
- b) Mampu menyusun studi UKL/UPL dan peraturan perundangan yang terkait dengan studi ANDAL dan UKL/UPL.

V.2 Land Acquisition and Resettlement Action Plan

(1) Deskripsi Singkat

Submodul ini menguraikan tentang rencana pengadaan tanah dan pemukiman kembali penduduk berkenaan dengan pembangunan proyek infrastruktur.

(2) Tujuan Instruksional Umum

Memahami proses pengadaan tanah pada pembangunan proyek infrastruktur, mengetahui langkah-langkah yang harus ditempuh dalam melaksanakan pengadaan tanah dalam kaitannya dengan pembangunan infrastruktur.

(3) Tujuan Instruksional Khusus

- a) Mampu melaksanakan pengadaan tanah dan pemukiman kembali penduduk berkenaan dengan pembangunan infrastruktur sesuai dengan peraturan yang berlaku.
- b) Mampu mendapatkan dukungan masyarakat sehingga dampak yang terjadi dapat teratasi dengan baik.

VI.1 Financial Analysis of Projects

(1) Deskripsi Singkat

Submodul ini menguraikan analisis finansial dalam proses *project cost estimation* agar proyek dapat berkelanjutan, dalam segi finansial cukup tersedia dana pada setiap tahap pelaksanaannya, yang berarti bahwa analisis ini lebih berorientasi pada aspek likuiditas daripada aspek profitabilitas.

(2) Tujuan Instruksional Umum

Memahami instrumen analisis finansial, antara lain Rasio Keuangan (*Loan Safety Ratio, Efficiency Ratio, Profitability Ratio*), Laporan Keuangan (*Neraca Keuangan/Balance Sheet, Laporan Laba Rugi/Income Statement, serta Laporan Perubahan Dana/Fund Statement*) terutama Laporan Arus Kas/*Cash Flow Statement*.

(3) Tujuan Instruksional Khusus

Mampu menggunakan instrumen-instrumen analisis finansial terutama *cash flow* sehingga dalam melaksanakan proyek dapat menjaga ketersediaan dana dalam tahap-tahap proses pelaksanaan proyek.

VI.2 Cost Recovery and Tariff Design

(1) Deskripsi Singkat

Submodul ini menjelaskan apa peran tarif serta mengapa perlu diperhitungkan (contoh, proyek penyediaan air bersih). Juga diuraikan desain tarif yang menunjang perhitungan pengembalian biaya pelaksanaan proyek dan operasional proyek.

(2) Tujuan Instruksional Umum

Memahami peran dan gunanya tarif dalam pelaksanaan dan operasional proyek.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung tarif agar dapat mengembalikan biaya proyek.
- b) Mampu membuat rencana menjamin beroperasinya proyek di kemudian hari dengan memperhatikan kecukupan, keterbukaan, kesederhanaan, dan tidak membebani konsumen.

VII.1 Economic Appraisal of Projects

(1) Deskripsi Singkat

Submodul ini menerangkan bagaimana dalam merencanakan pembangunan suatu proyek infrastruktur agar penggunaan sumber daya dapat efisien dalam konteks kepentingan nasional (kepentingan ekonomi bagi masyarakat).

(2) Tujuan Instruksional Umum

Memahami perlunya dilakukan *economic analysis* di samping *financial analysis* atas suatu proyek agar penggunaan sumber daya efisien.

(3) Tujuan Instruksional Khusus

- a) Mampu membedakan antara *economic analysis* dan *financial analysis*.
- b) Mampu menganalisis efek langsung dan efek tidak langsung yang mempengaruhi *economic analysis*.

VII.2 Shadow Pricing

(1) Deskripsi Singkat

Submodul ini menjelaskan tentang harga yang disesuaikan terhadap harga pasar dari beberapa faktor produksi, berhubung pusat penentu kebijakan ekonomi berpendapat bahwa harga pasar itu tidak mencerminkan biaya yang sebenarnya dari hasil produksi tersebut.

(2) Tujuan Instruksional Umum

Mengetahui arti *shadow price* dan penggunaannya dalam *economic analysis*.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung *shadow price* dalam analisis.
- b) Mampu menggunakan *shadow price* dalam analisis.

VII.3 Traded and Non-Traded

(1) Deskripsi Singkat

Submodul ini menjelaskan penggunaan barang dalam pembangunan proyek infrastruktur yang dapat mempengaruhi secara langsung atau tidak langsung terhadap neraca pembayaran, baik barang-barang yang bisa diperdagangkan (*traded goods*), yaitu barang-barang yang bisa diimpor dan diekspor, maupun barang-barang yang tidak bisa diperdagangkan (*non-traded goods*).

(2) Tujuan Instruksional Umum

Memahami perbedaan *traded goods* dan *non-traded goods*.

(3) Tujuan Instruksional Khusus

- a) Mampu membedakan *traded goods* dan *non-traded goods*.
- b) Mampu melakukan perhitungan *traded goods* dan *non-traded goods* dalam analisis.

VII.4 Shadow Discount Rate

(1) Deskripsi Singkat

Submodul ini bersama-sama dengan submodul *shadow price* sebelumnya menerangkan *cash-flow* dalam *economic analysis*.

(2) Tujuan Instruksional Umum

Mengetahui arti *shadow discount rate* dan penggunaannya dalam *economic analysis*.

(3) Tujuan Instruksional Khusus

- a) Mampu menghitung *shadow discount rate* dalam analisis.
- b) Mampu menggunakan *shadow discount rate* dalam analisis.

VIII.1 Project Implementation, Management and Control Cycle

(1) Deskripsi Singkat

Submodul ini menguraikan tentang siklus pelaksanaan, manajemen dan pengendalian proyek berkenaan dengan pekerjaan perencanaan, pekerjaan pelaksanaan dan pekerjaan lainnya yang mencakup kontrak, pengadaan, organisasi, dan sistem komunikasi dan informasi proyek.

(2) Tujuan Instruksional Umum

Mengerti pekerjaan perencanaan, pekerjaan pelaksanaan, dan pekerjaan lainnya yang mencakup kontrak, pengadaan, organisasi, system komunikasi dan informasi proyek.

(3) Tujuan Instruksional Khusus

Mampu menyusun diagram siklus pelaksanaan, manajemen dan pengendalian proyek:

- a) Merencanakan pekerjaan
- b) Mengerjakan perencanaan
- c) Merencanakan elemen-elemen lainnya

VIII.2 Planning the Work

(1) Deskripsi Singkat

Submodul ini menguraikan perencanaan pekerjaan (*planning the work*) proyek dengan menggunakan diagram yang menunjukkan hubungan saling terkait antara kegiatan elemen-elemen proyek yang berurutan secara logis dengan prosedur arismetik (*network planning*) dalam jadual secara keseluruhan.

(2) Tujuan Instruksional Umum

Mengerti penggunaan diagram *network planning* untuk menjamin penghematan waktu dan sumber daya dalam pelaksanaan proyek.

- (3) Tujuan Instruksional Khusus
 - a) Mampu membuat penjadualan kegiatan proyek berdasarkan analisis sumberdaya, analisis *time-cost trade off* dan pencapaian penyelesaian proyek dengan probabilitas yang tinggi (misal 80 %).
 - b) Mampu mengidentifikasi seluruh kegiatan elemen-elemen proyek yang berurutan secara logis sehingga tugas yang kecil-kecil dapat diatur.
 - c) Mampu membuat diagram *network planning* untuk merencanakan proyek.

VIII.3 Project Management Organization

- (1) Deskripsi Singkat

Submodul ini menguraikan penyusunan organisasi manajemen proyek yang menampung kegiatan elemen-elemen proyek yang direncanakan dengan struktur yang sesuai dengan kebutuhan.
- (2) Tujuan Instruksional Umum

Mengerti penyusunan organisasi manajemen proyek yang diperlukan untuk menampung kegiatan elemen-elemen proyek terkait dengan kebudayaan yang terdapat pada diri manusia sebagai motor yang menjalankan organisasi.
- (3) Tujuan Instruksional Khusus
 - a) Mampu menyusun organisasi manajemen proyek berdasarkan macam-macam budaya sebagai berikut:
 - Budaya kekuasaan yang digambarkan sebagai sebuah kerucut yang menunjukkan adanya pusat kekuasaan tertinggi di puncak.
 - Budaya fungsi yang digambarkan sebagai sebuah bangunan gedung dengan tiang-tiang penyangga yang kuat.

- Budaya kerja digambarkan sebagai jala ikan.
 - Budaya individu yang digambarkan sebagai bintang Galaxi.
- b) Mampu menyusun organisasi manajemen proyek berkaitan dengan jadwal kerja, jadwal penugasan dan koordinasi pekerjaan.

VIII.4 Project Management Information System

(1) Deskripsi Singkat

Submodul ini menguraikan sistem manajemen proyek yang menyediakan semua data dan informasi, proses pengolahan data dan informasi, penyajian, administrasi keuangan, dan membandingkan antara rencana dan pelaksanaan, serta menyajikan persoalan yang timbul dan jalan keluar untuk mengatasinya.

(2) Tujuan Instruksional Umum

Mengerti tugas, wewenang, tanggung jawab dan penanganan proyek secara berjenjang sesuai ketentuan hirarki manajemen.

(3) Tujuan Instruksional Khusus

Mampu menyusun sistem informasi manajemen proyek secara berjenjang:

- a) Jenjang eksekutif yang berperan sebagai pembuat strategi dan keputusan.
- b) Jenjang proyek yang berperan mengalokasikan sumber daya untuk menunjang pelaksanaan proyek dan pengawasannya.
- c) Jenjang pelaksanaan yang berperan sebagai pelaksana untuk menggunakan sumber daya sesuai aturan yang ada.

VIII.5 Contract and Bid Evaluation

(1) Deskripsi Singkat

Submodul ini menguraikan tata cara pengadaan jasa konsultansi proyek-proyek infrastruktur.

(2) Tujuan Instruksional Umum

Mengerti tata cara pengadaan jasa konsultansi proyek-proyek infrastruktur.

(3) Tujuan Instruksional Khusus

a) Mampu memproses pengadaan jasa konsultansi proyek-proyek infrastruktur sesuai dengan peraturan yang berlaku.

b) Mampu melaksanakan evaluasi pengadaan jasa konsultansi proyek-proyek infrastruktur.

VIII.6 Working the Plan

(1) Deskripsi Singkat

Submodul ini menguraikan pengerjaan perencanaan (*working the plan*) proyek dengan menggunakan diagram yang menunjukkan hubungan saling terkait antara kegiatan elemen-elemen proyek yang berurutan secara logis dengan prosedur arismetik (*network planning*) dalam jadual secara keseluruhan.

(2) Tujuan Instruksional Umum

Mengerti kemajuan fisik dan keuangan, mengidentifikasi penyebab kelebihan biaya (*cost over-run*) pelaksanaan dan kelebihan waktu (*time over-run*) pelaksanaan proyek dengan melakukan monitoring secara periodik.

- (3) Tujuan Instruksional Khusus
 - a) Mampu memonitor kemajuan fisik proyek, finansial, dan dalam bentuk sumber daya lainnya.
 - b) Mampu meninjau dan menganalisa kemajuan aktual dari elemen-elemen proyek dengan melakukan perbandingan elemen-elemen ini dengan kemajuan yang direncanakan dan mengukur efek penyimpangannya terhadap perencanaan.
 - c) Mampu mengidentifikasi dan menganalisa alasan-alasan dari keterlambatan waktu dan kelebihan biaya.
 - d) Mampu menyusun kembali perencanaan pekerjaan sejalan dengan jadwal alokasi sumber daya yang telah direvisi untuk mengejar keterlambatan waktu.

VIII.7 Private Sector

- (1) Deskripsi Singkat

Submodul ini menguraikan peran swasta dalam rangka kerjasama antara pemerintah dengan swasta (KPS) atau public private partnership (PPP) dalam rangka pembangunan proyek-proyek infrastruktur.

- (2) Tujuan Instruksional Umum

Mengerti latar belakang terjadinya kerjasama antara pemerintah dan swasta dan prosedur pelaksanaannya dalam rangka pembangunan proyek-proyek infrastruktur.

- (3) Tujuan Instruksional Khusus

- a) Mampu membuat penilaian apakah kebijakan yang ditempuh pemerintah dalam melakukan kerjasama dengan swasta sesuai dengan peraturan yang berlaku.
- b) Mampu menyusun tahapan-tahapan proses pelaksanaan kerjasama pemerintah swasta dalam suatu kegiatan pembangunan proyek infrastruktur.

**DEPARTEMEN PEKERJAAN UMUM
BADAN PEMBINAAN KONSTRUKSI DAN SUMBER DAYA MANUSIA**

PELATIHAN “PROJECT CYCLE” TAHUN 2006 – 2009

No.	Lokasi	Tanggal/Bulan/Tahun	Jumlah Peserta
1	Jakarta	20 – 25 / 02 / 2006	24
2	Makassar	03 – 08 / 04 / 2006	30
3	Batam	01 – 06 / 05 / 2006	17
4	Denpasar	29 / 05 – 03 / 06 / 2006	39
5	Mataram	26 / 06 – 01 / 07 / 2006	39
6	Manado	06 – 11 / 11 / 2006	27
7	Pekanbaru	04 – 09 / 12 / 2006	32
8	Jakarta	12 – 17 / 03 / 2007	33
9	Yogyakarta	07 – 12 / 05 / 2007	33
10	Denpasar	09 – 14 / 07 / 2007	26
11	Medan	10 – 15 / 12 / 2007	20
12	Surabaya	05 – 10 / 05 / 2008	29
13	Pontianak	27 / 10 – 01 / 11 / 2008	30
14	Bandung	15 – 20 / 12 / 2008	22
15	Padang	16 – 21 / 03 / 2009	35
16	Batam	08 – 13 / 06 / 2009	34
17	Banjarmasin	10 – 15 / 08 / 2009	25
18	Makassar	09 – 14 / 11 / 2009	30
	Jumlah		525

**KEMENTERIAN PEKERJAAN UMUM
BADAN PEMBINAAN KONSTRUKSI**

JADWAL PELATIHAN “PROJECT CYCLE”

NO.		SUBMODUL	JAM PELAJARAN	NARA SUMBER
Senin,				
		Registrasi	08.00 – 08.45	
		Pembukaan dan Perkenalan	08.45 – 10.15	
		<i>Istirahat</i>	<i>10.15 – 10.30</i>	
1	I.1	Penjelasan Pelatihan “Project Cycle”	10.30 – 11.15	(1)
		Concept and Indicators of Development	11.15 – 12.00	(1)
		<i>Istirahat</i>	<i>12.00 – 13.00</i>	
2	I.2	National, Sector and Project Planning	13.00 – 13.45	(1)
3	I.3	Sustainability	13.45 – 14.30	(1)
4	I.4	Project Definition and Project Sequence	14.30 – 15.15	(1)
		<i>Istirahat</i>	<i>15.15 – 15.45</i>	
5	I.5	Project Framework	15.45 – 17.15	(2)
6	II.1	Project Identification	17.15 – 18.00	(1)
				(8)
Selasa,				
7	II.2	Demand Analysis	08.00 – 10.15	(3)
		<i>Istirahat</i>	<i>10.15 – 10.30</i>	
8	II.3	Forecasting	10.30 – 11.15	(1)
9	II.4	Regression & Correlation	11.15 – 12.00	(1)
		<i>Istirahat</i>	<i>12.00 – 13.00</i>	
10	II.5	Capacity Estimation of Present Facilities	13.00 – 13.45	(1)
11	II.6	Establishing Gap for Identification of Project	13.45 – 14.30	(1)
12	III.1	Time Value of Money	14.30 – 15.15	(1)
		<i>Istirahat</i>	<i>15.15 – 15.45</i>	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	15.45 – 16.30	(1)
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	16.30 – 17.15	(1)
				(10)
Rabu,				
15	III.4	Debt Repayment	08.00 – 08.45	(1)
16	III.5	Annual Statement of Cost and Benefit	08.45 – 09.30	(1)
17	III.6	Uncertainty Analysis	09.30 – 10.15	(1)
		<i>Istirahat</i>	<i>10.15 – 10.30</i>	
18	IV.1	Project Formulation	10.30 – 11.15	(1)
19	IV.2	Choice of Technology	11.15 – 12.00	(1)
		<i>Istirahat</i>	<i>12.00 – 13.00</i>	
20	IV.3	Economic of Scale	13.00 – 13.45	(1)
21	IV.4	Cost Concept and Cost Estimation	13.45 – 14.30	(1)
22	IV.5	Benefit Enumeration of Project	14.30 – 15.15	(1)
		<i>Istirahat</i>	<i>15.15 – 15.45</i>	
23	IV.6	Cost Effectiveness Analysis	15.45 – 17.15	(2)
				(10)

Kamis,				
24	IV.7	Community Participation	08.00 – 08.45	(1)
25	IV.8	Mutual Exclusive Project	08.45 – 09.30	(1)
26	IV.9	Joint Cost Allocation	09.30 – 10.15	(1)
		<i>Istirahat</i>	<i>10.15 – 10.30</i>	
27	IV.10	Analysis of Multi-purpose Projects	10.30 – 11.15	(1)
28	V.1	Environmental Impact Assessment	11.15 – 12.00	(1)
		<i>Istirahat</i>	<i>12.00 – 13.00</i>	
29	V.2	Land Acquisition and Resettlement Action Plan	13.00 – 13.45	(1)
30	VI.1	Financial Analysis of Project	13.45 – 15.15	(2)
		<i>Istirahat</i>	<i>15.15 – 15.45</i>	
31	VI.2	Cost Recovery and Tariff Design	15.45 – 16.30	(1)
32	VII.1	Economic Appraisal of Project	16.30 – 17.15	(1)
33	VII.2	Shadow Pricing		
				(10)
Jum'at,				
34	VII.3	Traded and Non-traded	08.00 – 08.45	(1)
35	VII.4	Shadow Discount Rate		
36	VIII.1	Project Implementation, Management and Control Cycle	08.45 – 09.30	(1)
37	VIII.2	Planning the Work	09.30 – 10.15	(1)
		<i>Istirahat</i>	<i>10.15 – 10.30</i>	
	VIII.2	Planning the Work (Lanjutan)	10.30 – 11.15	(1)
		<i>Istirahat</i>	<i>11.15 – 13.45</i>	
38	VIII.3	Project Management Organization	13.45 – 14.30	(1)
39	VIII.4	Project Management Information System	14.30 – 15.15	(1)
		<i>Istirahat</i>	<i>15.15 – 15.45</i>	
40	VIII.5	Contracts and Bid Evaluation	15.45 – 16.30	(1)
41	VIII.6	Working the Plan	16.30 – 17.15	(1)
				(8)
Sabtu,				
42	VIII.7	Private Sector Evaluation Test	08.00 – 08.45	(1)
		<i>Istirahat</i>	<i>08.45 – 10.15</i>	(2)
		<i>Istirahat</i>	<i>10.15 – 10.30</i>	
		Training Evaluation	10.30 – 11.15	(1)
		Penutupan	11.15 – 12.00	
				(4)
				(50)

**KEMENTERIAN PEKERJAAN UMUM
PELATIHAN “PROJECT CYCLE”**

..... ,

**PENILAIAN TERHADAP PENGAJAR DAN SUBMODUL
OLEH PESERTA PELATIHAN**

Senin,

- Nama Pengajar :
- Sub Module :
1. Apakah Anda pernah mendapat kuliah materi submodul ini sebelumnya? : Pernah
Belum pernah
 2. Apakah Anda mengerti penjelasan isi materi submodul ini? Mengerti baik sekali
Mengerti dengan baik
Cukup mengerti
Kurang mengerti
Kurang sekali
mengerti
 3. Apakah materi submodul ini berguna bagi profesi Anda? : Berguna sekali
Berguna
Tidak berguna
 4. Apakah pengajar menyampaikan presentasinya dengan baik? : Baik sekali
Baik
Cukup
Kurang
Kurang sekali
 5. Apakah waktu yang tersedia untuk sesi submodul ini cukup? Terlalu banyak
Banyak
Cukup
Kurang
Kurang sekali
 6. Komentar Anda yang lain?

**KEMENTERIAN PEKERJAAN UMUM
PELATIHAN “PROJECT CYCLE”**

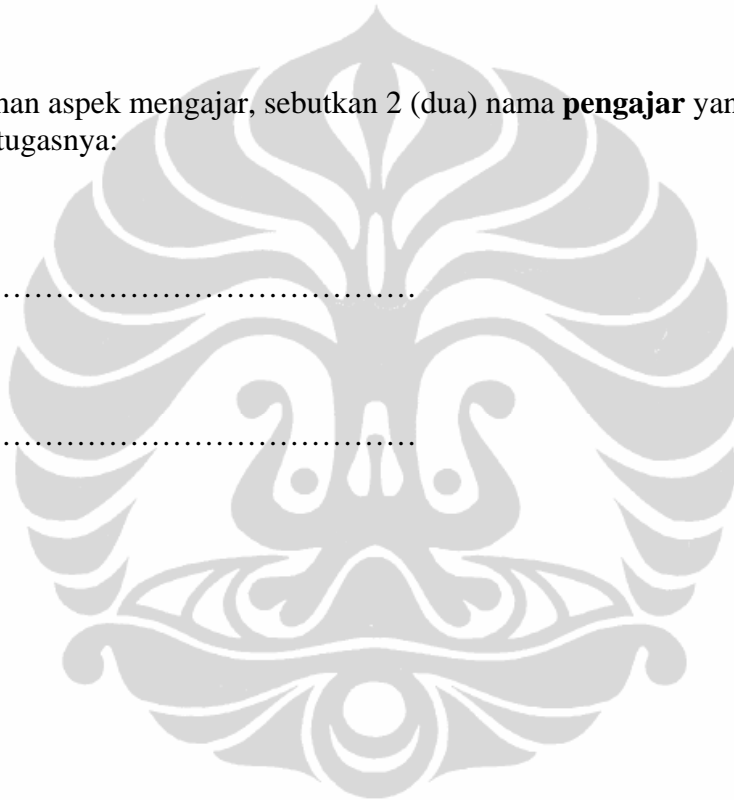
..... ,

**PENILAIAN TERHADAP PENGAJAR
OLEH PESERTA PELATIHAN**

Dalam hal keseluruhan aspek mengajar, sebutkan 2 (dua) nama **pengajar** yang paling baik dalam menunaikan tugasnya:

1.

2.



**KEMENTERIAN PEKERJAAN UMUM
PELATIHAN “PROJECT CYCLE”**

..... ,

**PENILAIAN TERHADAP PENYELENGGARAAN PELATIHAN
OLEH PESERTA PELATIHAN**

Jawablah pertanyaan-pertanyaan di bawah ini dengan benar dan jujur.

Catatan: Peserta tidak perlu mencantumkan nama.

NO.	PERTANYAAN	JAWABAN
1.	Dari mana Anda mendapatkan informasi mengenai penyelenggaraan pelatihan ini?	(1) Dari leaflet (2) Dari atasan (3) Dari rekan (4) Lain-lain
2.	Apakah materi pelatihan secara keseluruhan berguna bagi Anda?	(1) Berguna sekali (2) Berguna (3) Kurang berguna
3.	Bagaimana pendapat Anda terhadap kemampuan para pengajar secara keseluruhan dalam menyampaikan materi pelatihan?	(1) Baik sekali (2) Baik (3) Cukup (4) Kurang (5) Kurang sekali
4.	Apakah lokasi tempat penyelenggaraan pelatihan ini strategis?	(1) Strategis sekali (2) Strategis (3) Kurang strategis
5.	Bagaimana pendapat Anda mengenai ruang pelatihan dan fasilitas lainnya tempat penyelenggaraan pelatihan ini?	(1) Memuaskan sekali (2) Memuaskan (3) Cukup (4) Kurang (5) Kurang sekali
6.	Bagaimana pendapat Anda mengenai ruang penginapan dan konsumsi yang disajikan pada penyelenggaraan pelatihan ini?	(1) Memuaskan sekali (2) Memuaskan (3) Cukup (4) Kurang (5) Kurang sekali
7.	Apakah Anda berkeinginan menyampaikan informasi mengenai pelatihan ini kepada rekan Anda se-profesi?	(1) Ya (2) Tidak
8.	Komentar / saran Anda yang lain?	:

Depok, 19 Agustus 2009

Nomor : 250/H2.F6.D2.MKP/PDP/2009
Lampiran : -
Perihal : Pengantar Penelitian

Kepada Yth.
Bapak Ir. Djoko Kirmanto, Dipl. HE
Menteri Pekerjaan Umum R.I
Jl. Pattimura No. 20 – Kebayoran Baru
Di Jakarta

Dengan ini kami sampaikan bahwa mahasiswa Magister Perencanaan dan Kebijakan Publik Fakultas Ekonomi Universitas Indonesia (MPKP FEUI) :

Nama : Abdul Afif
NPM : 0706181460

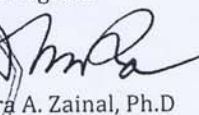
adalah mahasiswa yang aktif menulis proposal tesis. Sehubungan dengan hal itu, kami mohon kepada yang bersangkutan dapat diberikan izin penelitian, melakukan survei dan pengambilan data untuk keperluan penyusunan proposal tesisnya.

Perlu kami tambahkan, tujuan penelitian yang sedang dilakukan oleh mahasiswa tersebut adalah hanya untuk keperluan akademik semata.

Demikian permohonan kami, atas perhatian dan bantuannya kami ucapkan terima kasih.

Hormat Kami,
Ketua Program




Arindra A. Zainal, Ph.D

NPM. 19550506.198503.1.001

Jakarta, 21 Agustus 2009

Kepada Yth.

Bapak. Ir. Djoko Kirmanto, Dipl.HE
Menteri Pekerjaan Umum Republik Indonesia
Jl. Pattimura No. 20
Jakarta

g
OVA 21/8/9

Perihal : *Permohonan menghadap untuk pembuatan TESIS*

Dengan hormat,

Sebelumnya dipermaklumkan bahwa surat ini saya tulis untuk kepentingan pribadi, namun demikian saya harapkan dapat bermanfaat pula bagi Departemen Pekerjaan Umum.

Saat ini saya sedang menempuh kuliah Program S2, Magister Ekonomi, Kekhususan Ekonomi Infrastruktur pada Magister Perencanaan dan Kebijakan Publik (MPKP), Fakultas Ekonomi, Universitas Indonesia (leaflet terlampir). Saya sekarang sedang melaksanakan tugas kuliah, yaitu membuat tesis (proposal tesis terlampir) dengan judul

**EFEKTIVITAS PELATIHAN PROJECT CYCLE
TERHADAP KINERJA APARAT DEPARTEMEN PEKERJAAN UMUM**

Pelatihan Project Cycle adalah pelatihan yang diselenggarakan oleh Badan Pembinaan Konstruksi dan Sumber Daya Manusia (BPKSDM), Departemen PU, dengan materi yang sama dengan Training Course on Planning, Appraisal and Management of Infrastructure Projects yang diselenggarakan di University of Bradford, England, tahun 1986- 1995.

Pelatihan Project Cycle telah berjalan selama 4 tahun, yaitu tahun 2006, 2007, 2008 dan 2009 sebanyak 17 angkatan dengan 495 peserta yang berasal dari Departemen PU, Dinas PU Provinsi, Dinas PU Kabupaten/Kota, Konsultan dan Perguruan Tinggi di seluruh Indonesia. Di antaranya yang berasal dari Departemen PU, Jl. Pattimura 20, Jakarta, adalah sebanyak 119 peserta.

Judul tesis tersebut saya pilih karena saya sebagai nara sumber pada Pelatihan Project Cycle tertarik untuk mengetahui seberapa besar pelatihan tersebut efektif bagi para aparat Departemen PU terhadap kinerjanya. Di samping itu sejauh yang saya ketahui, studi ini belum pernah dilakukan oleh Departemen PU. Proposal tesis ini sudah saya ajukan kepada dosen yang bersangkutan dan telah mendapat persetujuan untuk dilaksanakan (surat pengantar terlampir).

Pada langkah awal saya telah menyampaikan maksud saya untuk membuat tesis tersebut kepada Bapak Ir. M. Natsir, MSc, Kabag Perencanaan BPKSDM, dan Bapak Ir. Doedoeng Zaenal Arifin, MT, PLH Kabag Perencanaan BPKSDM, Departemen PU, yang telah menyatakan tidak keberatan atas rencana pembuatan tesis tersebut dengan merekrut para aparat Departemen PU peserta Pelatihan Project Cycle sebagai responden.



MENTERI PEKERJAAN UMUM

DISPOSISI ATAS SURAT

DARI : Fakultas Ekonomi UI
 NOMOR & TGL : 250/H2.F6.02.MKP/PPA/2009 19-8-20
 PERIHAL : Dengantar Peneliti
 NO AGENDA

Kepada Yth

- | | | | |
|--|--|---|-------------------------------------|
| <input checked="" type="checkbox"/> Sekjen | <input type="checkbox"/> Dirjen Penataan Ruang | <input type="checkbox"/> BPK SDM | <input type="checkbox"/> SAMPU III |
| <input type="checkbox"/> Irjen | <input type="checkbox"/> Dirjen Sumberdaya Air | <input type="checkbox"/> Kaba Litbang | <input type="checkbox"/> SAMPU IV |
| <input type="checkbox"/> | <input type="checkbox"/> Dirjen Bina Marga | <input checked="" type="checkbox"/> SAMPU I | <input type="checkbox"/> SAMPU V |
| <input type="checkbox"/> | <input type="checkbox"/> Dirjen Cipta Karya | <input type="checkbox"/> SAMPU II | <input type="checkbox"/> TU Menteri |

SIFAT

- Biasa Segera Perlu Perhatian Khusus Perhatian Batas Waktu

Mohon bantuan Saudara agar :

- | | |
|---|-------------------------------|
| <input type="checkbox"/> Diketahui / Sebagai informasi | Hadir mewakili saya [|
| <input type="checkbox"/> Memberikan dan Menyampaikan Saran | Membicarakan dengan saya [|
| <input type="checkbox"/> Melaksanakan sesuai dengan pembicaraan | Menyiapkan jawaban / bahan [|
| <input type="checkbox"/> Diproses sesuai prosedur | Ikut hadir / menunjuk wakil [|
| <input type="checkbox"/> Menyelesaikan sebelum tanggal | Dicopy untuk semua Eselon I [|
| <input type="checkbox"/> Menyimpan dalam file | [|

Catatan :

Mohon difasilitasi

Terima Kasih Atas Perhatian Saudara : Jakarta, 2008, Menteri Pekerjaan Umum - Ir. Djoko Kirmanto Dipl. F



MENTERI PEKERJAAN UMUM

DISPOSISI ATAS SURAT

DARI : Fakultas Ekonomi UI
 NOMOR & TGL : 250/H2 F6.02.MKP/PDP/2009 19-8-20
 PERIHAL : Dengantar Peneliti
 NO AGENDA

Kepada Yth

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|--|--|---|-------------------------------------|
| <input checked="" type="checkbox"/> Sekjen | <input type="checkbox"/> Dirjen Penataan Ruang | <input type="checkbox"/> BPK SDM | <input type="checkbox"/> SAMPU III |
| <input type="checkbox"/> Irjen | <input type="checkbox"/> Dirjen Sumberdaya Air | <input type="checkbox"/> Kaba Litbang | <input type="checkbox"/> SAMPU IV |
| <input type="checkbox"/> | <input type="checkbox"/> Dirjen Bina Marga | <input checked="" type="checkbox"/> SAMPU I | <input type="checkbox"/> SAMPU V |
| <input type="checkbox"/> | <input type="checkbox"/> Dirjen Cipta Karya | <input type="checkbox"/> SAMPU II | <input type="checkbox"/> TU Menteri |

SIFAT

- Biasa Segera Perlu Perhatian Khusus Perhatian Batas Waktu

Mohon bantuan Saudara agar :

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|---|-------------------------------|
| <input type="checkbox"/> Diketahui / Sebagai informasi | Hadir mewakili saya [|
| <input type="checkbox"/> Memberikan dan Menyampaikan Saran | Membicarakan dengan saya [|
| <input type="checkbox"/> Melaksanakan sesuai dengan pembicaraan | Menyiapkan jawaban / bahan [|
| <input type="checkbox"/> Diproses sesuai prosedur | Ikut hadir / menunjuk wakil [|
| <input type="checkbox"/> Menyelesaikan sebelum tanggal | Dicopy untuk semua Eselon I [|
| <input type="checkbox"/> Menyimpan dalam file | [|

Catatan :

Mohon difasilitasi

Yth Bp. Karo Kepegawaian

Mohon dgn difasilitasi

tk
Ⓚ

Terima Kasih Atas Perhatian Saudara : Jakarta, 2008, Menteri Pekerjaan Umum - Ir. Djoko Kirmanto Dipl. I



DEPARTEMEN PEKERJAAN UMUM
SEKRETARIAT JENDERAL
 Jalan Pattimura 20 - Kebayoran Baru - Jakarta 12110, Telp. 7247564, Fax 7260856

LEMBAR DISPOSISI

DARI/DITERIMA TGL : Fakultas Ekonomi UI / 07-Okt-09

PERIHAL : *Pemohonan menghadap untuk pembuatan TESIS "Efektivitas Pelatihan Project Cycle terhadap Kinerja Aparat Dept. PU"*

NO.AGENDA : 0548/A/10/08

- Kepada Yth :
- | | | |
|---|----------------------------------|---|
| <input type="checkbox"/> Inspektur Jenderal | <input type="checkbox"/> SAM I | <input checked="" type="checkbox"/> Kepala Biro Perenc. & KLN |
| <input type="checkbox"/> Kaba Pekon dan SDM | <input type="checkbox"/> SAM II | <input type="checkbox"/> Kepala Biro Keuangan |
| <input type="checkbox"/> Kaba Litbang | <input type="checkbox"/> SAM III | <input type="checkbox"/> Kepala Biro Kepeg. Dan Ortala |
| <input type="checkbox"/> Direktur Jenderal Penataan Ruang | <input type="checkbox"/> SAM IV | <input type="checkbox"/> Kepala Biro Hukum |
| <input type="checkbox"/> Direktur Jenderal Bina Marga | <input type="checkbox"/> SAM V | <input type="checkbox"/> Kepala Biro Perlengkapan & Umum |
| <input type="checkbox"/> Direktur Jenderal Cipta Karya | | <input type="checkbox"/> Kepala Pusat Kajian Strategis |
| <input type="checkbox"/> Direktur Jenderal SDA | | <input type="checkbox"/> Kepala Pusat Komunikasi Publik |
| <input type="checkbox"/> Kepala BPJT | | <input type="checkbox"/> Kepala Pusat Pengolahan Data |
| <input type="checkbox"/> Kepala BPPSPAM | | <input type="checkbox"/> Kepala Pusat Pend. & Pelatihan |
| | | <input type="checkbox"/> Kepala Pusat Pengelolaan BMN |

Sifat : Biasa Mendesak Perlu Perhatian Khusus Perhatian Batas Waktu

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| <input checked="" type="checkbox"/> Diketahui / sebagai informasi | <input type="checkbox"/> Monon hadir mewakili Dep. PU / saya |
| <input type="checkbox"/> Mempelajari dan memberikan saran | <input type="checkbox"/> Ikut hadir / menugaskan staf |
| <input type="checkbox"/> Melaksanakan/menindaklanjuti | <input type="checkbox"/> Siapkan Konsep jawaban / tanggapan |
| <input type="checkbox"/> Dibicarakan dengan saya | <input checked="" type="checkbox"/> Jadwalkan / atur rapat / pertemuan |
| <input type="checkbox"/> Diproses lebih lanjut | <input type="checkbox"/> di copy asli kembali ke saya |
| <input type="checkbox"/> Dibahas bersama | <input type="checkbox"/> Difile / dijilid |
| <input type="checkbox"/> Dibuat laporan | <input type="checkbox"/> Publikasikan / internetkan |

*Cek & laksanakan
 untuk kita beri info.*

Terima Kasih

Jakarta,
 Sekretaris Jenderal,

Kasubbag TU/Sekretariat TU Sekjen
Ingan

[Signature]
 Ir. Agoes Widianarko MIP
 NIP. 110023320



SEKRETARIAT JENDERAL
BIRO KEPEGAWAIAN DAN ORTALA
Jalan Pattimura No. 20 - Kebayoran Baru - Jakarta 12110 Tlp. : 726084 - Fax. 7392786

LEMBAR DISPOSISI

DARI/DITERIMA TGL : Ketua Program Magister Perencanaan / 12/10/2009 9:55:53

NOMOR DAN TGL : 250/H2.F6.D2.MKP/PDP/2009 / 19/8/2009

PERIHAL : *Pengantar Penelitian an. Abdul Afif NPM. 0706181460*

NO.AGENDA : 6773

- Kepala Bagian Informasi dan Tata Usaha Kepegawaian (Sp.1)
- Kepala Bagian Adm. Pengembangan Pegawai dan Jabatan Fungsional (Sp.2)
- Kepala Bagian Mutasi (Sp.3)
- Kepala Bagian Organisasi dan Tatalaksana (Sp.4)
-
-

Sifat : *Biasa* *Mendesak / amat segera*
 Perlu perhatian Khusus *Perhatian batas waktu*

Mohon Bantuan Saudara untuk :

- | | |
|--|--|
| <input type="checkbox"/> Diketahui / sebagai informasi | <input type="checkbox"/> Mohon hadir mewakili Saya |
| <input type="checkbox"/> Mempelajari dan memberi saran | <input type="checkbox"/> Membicarakan dengan saya |
| <input type="checkbox"/> Melaksanakan / menindaklanjuti | <input type="checkbox"/> Membuat jawaban / tanggapan |
| <input type="checkbox"/> Memproses sesuai prosedur | <input type="checkbox"/> Ikut hadir |
| <input type="checkbox"/> Menyelesaikan sebelum batas waktu | <input type="checkbox"/> Menyiapkan konsep |
| <input type="checkbox"/> Dokumentasi | <input type="checkbox"/> |

Jakarta,

Kepala Biro Kepegawaian dan Ortala

Dr. Yadi Siswadi
NIP. 110024626

Lampiran 4.6g

Jakarta, 23 Oktober 2009

Kepada Yth.
Bapak. Ir. Agoes Widjanarko, MIP
Sekretaris Jenderal Departemen Pekerjaan Umum
Jl. Pattimura No. 20
Jakarta

Perihal : *Permohonan disposisi atas surat tentang tesis kepada BPKSDM dan PUSBIKTEK Bandung*

Dengan hormat,

Menindaklanjuti disposisi Bapak tanggal 7 Oktober 2009 atas surat saya tentang tesis, saya telah menghadap Bapak Ir. Djoko Murjanto, M.Sc. (Kepala Biro Perencanaan & KLN), Bapak Dr. Yadi Siswadi (Kepala Biro Kepegawaian dan Ortala), dan Bapak Drs. Suyono Kasim, M.Ed. (Kabag Administrasi Pengembangan Pegawai dan Jabatan Fungsional).

Dalam pada itu, dipermaklumkan bahwa pelatihan Project Cycle, yang menjadi pokok bahasan tesis, diselenggarakan oleh BPKSDM Departemen PU termasuk perekrutan peserta pelatihannya. Dengan demikian dalam proses penyusunan tesis nanti, saya juga harus mendapatkan akses ke BPKSDM agar supaya ada sinkronisasi. ✓

Demikian pula saya bermaksud untuk mendapatkan model kuesioner evaluasi pasca pelatihan dari PUSBIKTEK Bandung. ✓

Sehubungan dengan itu, saya mohon Bapak juga memberikan disposisi atas surat saya tersebut (terlampir) kepada BPKSDM dan PUSBIKTEK Bandung. ✓

Demikian mohon maklum dan atas perhatian serta perkenannya diucapkan terima kasih.

Hormat saya,



Abdul Afif
Mahasiswa MPKP-FE-UI. NPM: 0706181460
HP: 0813 1910 7117



DEPARTEMEN PEKERJAAN UMUM
SEKRETARIAT JENDERAL
 Jalan Pattimura 20 - Kebayoran Baru - Jakarta 12110, Telp. 7247564, Fax 7260856

LEMBAR DISPOSISI

Dari : Abdul Alif (Mahasiswa MPKP-FE-UI)
 No dan Tanggal Surat : Tanpa Nomor / 23 Oktober 2009
 Perihal : *Permohonan Disposisi Atas Surat Tentang Tesis Kepada Ka. BPK-SDM dan Pusbiktekk Bandung*
 No.Agenda : 8722 / 23 Oktober 2009

- Kepada Yth :**
- | | | |
|---|----------------------------------|--|
| <input type="checkbox"/> Inspektur Jenderal | <input type="checkbox"/> SAM I | <input type="checkbox"/> Kepala Biro Perenc. & KLN |
| <input checked="" type="checkbox"/> Kaba Pekon dan SDM | <input type="checkbox"/> SAM II | <input type="checkbox"/> Kepala Biro Keuangan |
| <input type="checkbox"/> Kaba Litbang | <input type="checkbox"/> SAM III | <input type="checkbox"/> Kepala Biro Kepeg. Dan Ortala |
| <input type="checkbox"/> Direktur Jenderal Penataan Ruang | <input type="checkbox"/> SAM IV | <input type="checkbox"/> Kepala Biro Hukum |
| <input type="checkbox"/> Direktur Jenderal Bina Marga | <input type="checkbox"/> SAM V | <input type="checkbox"/> Kepala Biro Perlengkapan & Umum |
| <input type="checkbox"/> Direktur Jenderal Cipta Karya | | <input type="checkbox"/> Kepala Pusat Kajian Strategis |
| <input type="checkbox"/> Direktur Jenderal SDA | | <input type="checkbox"/> Kepala Pusat Komunikasi Publik |
| <input type="checkbox"/> Kepala BPJT | | <input type="checkbox"/> Kepala Pusat Pengolahan Data |
| <input type="checkbox"/> Kepala BPPSPAM | | <input type="checkbox"/> Kepala Pusat Pend. & Pelatihan |
| | | <input type="checkbox"/> Kepala Pusat Pengelolaan BMN |

- Sifat : Biasa Mendesak Perlu Perhatian Khusus Perhatian Batas Waktu
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| <input checked="" type="checkbox"/> Diketahui / sebagai informasi | <input type="checkbox"/> Mohon hadir mewakili Dep. PU / saya |
| <input type="checkbox"/> Mempelajari dan membenarkan saran | <input type="checkbox"/> Ikut hadir / menugaskan staf |
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| <input type="checkbox"/> Dibicarakan dengan saya | <input type="checkbox"/> Jadwalkan / atur rapat / pertemuan |
| <input type="checkbox"/> Diproses lebih lanjut | <input type="checkbox"/> di copy asli kembali ke saya |
| <input type="checkbox"/> Dibahas bersama | <input type="checkbox"/> Difile / dijilid |
| <input type="checkbox"/> Dibuat laporan | <input type="checkbox"/> Publikasikan / internetkan |

Abdul Afif

Terima Kasih

Kasubbag TU/Sekretariat TU Sekjen

Jakarta,
 Sekretaris Jenderal,

 Ir. Aqoes Widiyaningro, MIP
 NIP. 110023320

Tesis

**EFEKTIVITAS PELATIHAN “PROJECT CYCLE”
KEMENTERIAN PEKERJAAN UMUM**

**KUESIONER
WAWANCARA DENGAN RESPONDEN**

Pelatihan “*Project Cycle*” telah diselenggarakan oleh Badan Pembinaan Konstruksi, Kementerian Pekerjaan Umum, pada tahun 2006-2009 dan menurut rencana akan dilanjutkan pada tahun 2010-2014.

Tesis ini disusun dengan responden para alumni pelatihan “*Project Cycle*” tahun 2006-2007 yang bekerja sebagai staf pada unit kerja dari Kementerian Pekerjaan Umum, Jalan Pattimura 20, Kebayoran Baru, Jakarta.

Wawancara:

1. Bagaimana pendapat Anda tentang isian kuesioner?
2. Apakah Anda mempunyai masukan untuk keperluan analisis tesis?

Jakarta, 17 Mei 2010

Jakarta, 17 Mei 2010

Kepada Yth.
(mohon dilihat daftar terlampir)
Jakarta

Perihal : **Permohonan wawancara untuk tesis Efektivitas Pelatihan “Project Cycle”
Kementerian Pekerjaan Umum**

Dengan hormat,

Saya, Abdul Afif, adalah salah seorang nara sumber (pengajar) pada Pelatihan “Project Cycle” yang diselenggarakan oleh Badan Pembinaan Konstruksi, Kementerian Pekerjaan Umum, sejak tahun 2006 sampai sekarang. Sebagian dari peserta pelatihan tersebut adalah para staf dari unit kerja yang berada di bawah pimpinan Bapak (jadwal kegiatan pelatihan “Project Cycle” dan daftar alumni peserta pelatihan dari Kementerian Pekerjaan Umum bersama ini terlampir).

Saat ini saya sedang menempuh pendidikan pasca sarjana di Magister Perencanaan dan Kebijakan Publik, Fakultas Ekonomi, Universitas Indonesia (MPKP-FEUI). Sebagai persyaratan kelulusan, saya harus menyusun tesis. Tesis yang akan saya susun berjudul: **EFEKTIVITAS PELATIHAN “PROJECT CYCLE” KEMENTERIAN PEKERJAAN UMUM**. Untuk penyusunan tesis ini saya telah mendapat persetujuan dari Bapak Menteri Pekerjaan Umum (*copy* surat pengantar dari MPKP-FEUI dan persetujuan dari Bapak Menteri Pekerjaan Umum terlampir).

Metode penelitian ini dilakukan dengan pengumpulan data dari responden, yaitu alumni pelatihan “Project Cycle” dari Kementerian Pekerjaan Umum tahun 2006-2007, dengan menggunakan kuesioner (terlampir) yang sedang saya edarkan secara langsung mulai tanggal 10 Mei 2010 di kantor Kementerian Pekerjaan Umum, Jalan Pattimura Nomor 20, Kebayoran Baru, Jakarta. Untuk melengkapi bahan penulisan tesis ini, saya mengharapkan memperoleh informasi dengan melakukan wawancara dengan Bapak sebagai pimpinan unit kerja pengutus dari para peserta pelatihan “Project Cycle” tersebut. Adapun informasi yang saya butuhkan adalah permasalahan sebagaimana yang saya tulis pada kuesioner terlampir. Pada kesempatan ini pula saya sertakan ringkasan tesis yang akan saya susun.

Besar harapan saya wawancara tersebut dapat dilakukan dalam minggu ini, mengingat batas waktu yang diberikan oleh MPKP-FEUI untuk penyelesaian tesis ini adalah bulan Juni 2010.

Atas kesediaan Bapak untuk wawancara tersebut diucapkan terma kasih.

Hormat saya,

Abdul Afif
Mahasiswa MPKP-FEUI, Salemba, Jakarta
HP: 0813 1910 7117; Email: abdulafif44@yahoo.com

Tembusan: Kepada Yth. Bapak Menteri Pekerjaan Umum

Lampiran

Surat permohonan wawancara untuk tesis Efektivitas Pelatihan “Project Cycle” Kementerian Pekerjaan Umum

Kepada Yth.

1. Bapak Sekretaris Jenderal, Kementerian Pekerjaan Umum
2. Bapak Inspektur Jenderal, Kementerian Pekerjaan Umum
3. Bapak Kepala Badan Pembinaan Konstruksi, Kementerian Pekerjaan Umum
4. Bapak Direktur Jenderal Sumber Daya Air, Kementerian Pekerjaan Umum
5. Bapak Direktur Jenderal Bina Marga, Kementerian Pekerjaan Umum
6. Bapak Direktur Jenderal Cipta Karya, Kementerian Pekerjaan Umum
7. Bapak Direktur Jenderal Penataan Ruang, Kementerian Pekerjaan Umum



Tesis

**EFEKTIVITAS PELATIHAN “PROJECT CYCLE”
KEMENTERIAN PEKERJAAN UMUM**

**KUESIONER
WAWANCARA DENGAN PIMPINAN**

Pelatihan “*Project Cycle*” telah diselenggarakan oleh Badan Pembinaan Konstruksi, Kementerian Pekerjaan Umum, pada tahun 2006-2009 dan menurut rencana akan dilanjutkan pada tahun 2010-2014. Peserta pelatihan “*Project Cycle*” adalah staf dari Kementerian Pekerjaan Umum, Dinas Pekerjaan Umum Provinsi dan Kabupaten/Kota. Pelatihan “*Project Cycle*” tahun 2006-2009 telah diselenggarakan sebanyak 18 angkatan dengan jumlah sebanyak 525 peserta.

Tesis ini disusun dengan responden para alumni peserta pelatihan “*Project Cycle*” tahun 2006-2007 yang bekerja sebagai staf pada unit kerja dari Kementerian Pekerjaan Umum, Jalan Pattimura 20, Kebayoran Baru, Jakarta.

Wawancara:

1. Kegiatan apakah yang telah Bapak laksanakan sebagai tindak lanjut dari penugasan mengikuti pelatihan “*Project Cycle*” kepada para staf pada unit kerja yang berada di bawah pimpinan Bapak?
2. Kegiatan apakah yang sedang Bapak laksanakan sebagai tindak lanjut dari penugasan mengikuti pelatihan “*Project Cycle*” kepada para staf pada unit kerja yang berada di bawah pimpinan Bapak?
3. Kegiatan apakah yang akan Bapak laksanakan sebagai tindak lanjut dari penugasan mengikuti pelatihan “*Project Cycle*” kepada para staf pada unit kerja yang berada di bawah pimpinan Bapak?

Jakarta, 17 Mei 2010



Lampiran 5.11

DATA KUESIONER

RESPONDEN NO.	I. IDENTITAS RESPONDEN															II. ALASAN/PENGALAMAN MENGIKUTI PROJECT CYCLE												
	1		2			3											4		1		2							
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-											Golongan		Jabatan		Bidang Pekerjaan		Sudah Pernah		Mengikuti Pelatihan karena			
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain
1		1		1										1		0	1	0	0	0	0	1				1		
2	1			1				1								0	1	0	0	0	0	1			1			
3		1		1		1										0	1	0	0	0	0		1			1		
4		1	1											1		0	1	0	1	0	1	1				1		
5	1		1										1			0	1	0	0	0	0	1			1			
6	1			1				1								0	1	0	1	0	0	1		1				
7	1			1										1		0	1	0	0	0	0		1			1		
8	1		1			1										0	1	0	0	0	0	1		1		1		
9	1			1										1		0	1	0	0	0	0		1			1		
10	1			1				1								0	0	0	0	0	0	1		1				
11		1		1									1			0	1	0	0	0	0	1			1			
12		1		1												0	1	0	1	0	0		1			1		
13	1			1				1								0	1	0	1	0	0	1				1		
14	1			1				1								0	1	0	1	0	0		1			1		
15	1		1											1		0	0	0	0	0	0	1				1		
16		1	1					1								0	1	0	0	0	0	1				1		
17	1			1									1			0	1	0	0	0	0	1	1		1			
18		1		1				1								0	1	0	1	0	0		1		1			
19	1		1										1			0	1	0	0	0	0		1			1		
20	1		1			1										0	0	0	0	0	0		1			1		
21	1			1		1										0	1	0	0	0	0		1			1		
22	1			1									1			0	1	0	0	0	0	1				1		
23		1		1				1								0	1	0	0	0	0	1		1		1		
24	1			1									1			0	1	0	0	0	0		1			1		
25		1		1									1			0	1	0	0	0	0	1		1		1		
26	1		1										1			0	1	0	0	0	0	1		1		1		
27	1		1											1		0	1	0	0	0	0		1			1		
28	1			1									1			0	0	0	1	0	0		1			1		
29	1		1										1			0	1	0	0	0	0		1			1		
30	1			1										1		0	0	0	0	0	0		1			1		

DATA KUESIONER

RESPONDEN NO.	I. IDENTITAS RESPONDEN																II. ALASAN/PENGALAMAN MENGIKUTI PROJECT CYCLE											
	1		2			3											4				1		2					
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-											Golongan		Jabatan		Bidang Pekerjaan		Sudah Pernah		Mengikuti Pelatihan karena			
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain
31		1		1					1							0	1	0	0	0	0		1			1		
32		1		1		1										0	1	0	0	0	0		1		1			
33		1	1												1	0	0	0	0	0	0		1			1		
34		1	1									1				0	0	0	0	0	0		1			1		
35	1			1					1							0	1	0	0	0	0	1				1		
36	1		1						1							0	0	0	0	0	0		1	1				
37	1		1						1							0	1	0	0	0	0		1		1			
38	1			1					1							0	1	0	0	0	0		1			1		
39		1		1										1		0	1	0	1	0	0		1	1				
40		1		1		1										0	1	0	0	0	0		1		1			
41	1		1												1	0	0	0	0	0	0		1			1		
42		1		1											1	0	0	0	0	0	0		1			1		
43	1			1									1			0	0	0	0	0	0	1				1		
44		1	1									1				0	1	0	0	0	0	1				1		
45	1			1				1								0	1	0	1	0	0		1			1		
46		1		1					1							0	1	0	0	0	0		1		1			
47	1		1												1	0	0	0	0	0	0		1	1				
48	1			1										1		0	1	0	1	0	0	1		1				
49	1			1								1				0	0	0	0	0	0		1			1		
50		1	1						1							0	1	0	0	0	0		1		1			
51	1			1											1	0	0	0	0	0	0	1			1			
52	1		1												1	0	1	0	0	0	1		1	1		1		
53	1			1										1		0	1	0	1	0	0	1				1		
54	1			1										1		0	1	0	1	0	1		1		1			
55	1			1										1		0	1	0	0	0	0	1		1				
56	1			1									1			0	1	0	1	0	0	1			1			
57		1		1									1			0	1	0	0	0	0	1				1		
58	1				1								1			0	0	0	1	0	1	1				1		
59	1			1				1								0	1	0	0	0	0		1			1		
60	1		1												1	0	0	0	0	0	0		1			1		

DATA KUESIONER

RESPONDEN NO.	I. IDENTITAS RESPONDEN															II. ALASAN/PENGALAMAN MENGIKUTI PROJECT CYCLE													
	1		2			3										4				1		2							
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-										Golongan		Jabatan		Bidang Pekerjaan		Sudah Pernah		Mengikuti Pelatihan karena					
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain	
61		1	1											1		0	0	0	0	0	0	1		1					
62		1	1						1							0	1	0	1	0	1		1		1				
63	1		1									1				0	1	0	0	0	0	1				1			
64		1		1			1									0	1	0	1	0	0		1			1			
65		1		1					1							0	0	0	0	0	0		1			1			
66	1		1						1							0	1	0	1	0	1	1				1			
67	1			1								1				0	1	0	0	0	0		1			1			
68	1			1									1			0	1	0	1	0	1	1			1				
69		1	1						1							0	1	0	0	0	0		1		1				
70		1		1					1							0	0	0	0	0	0		1		1				
71	1			1					1							0	1	0	0	0	0		1			1			
72	1			1								1				0	0	0	0	0	0	1			1				
73	1			1					1							0	1	0	1	0	0		1			1			
74		1		1										1		0	1	0	1	0	0		1			1			
75	1		1			1										0	0	0	0	0	0		1			1			
76	1		1									1				0	1	0	0	0	0	1				1			
77	1			1					1							0	1	0	1	0	0		1			1			
78	1			1					1							0	1	0	0	0	0		1			1			
79	1		1						1							0	0	0	1	0	1		1			1			
80		1		1		1										0	1	0	1	0	1		1			1			
81	1		1			1										0	1	0	0	0	0	1				1			
82		1		1										1		0	1	0	0	0	0		1		1				
83	1			1								1				0	1	0	1	0	0	1			1				
JUMLAH	54	29	29	53	1	8	2	3	12	13	4	8	10	6	12	5	0	61	0	25	0	14	27	56	17	21	45	0	
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-										Golongan		Jabatan		Bidang Pekerjaan		Sudah Pernah		Mengikuti Pelatihan karena					
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain	
%	65	35	35	64	1	10	2	4	14	16	5	10	12	7	14	6	27	73	0	20	30	83	17	33	67	20	25	54	0

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																																				
	1		2			3			4									5																			
	Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan			Metode Pembelajaran									Media dalam Pembelajaran																			
	Tpt	Tdk	Sgkt	Ckcp	Lma	Sdkt	Ckp	Bny	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis							
								Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny									
1	1			1		31	50	19		1			1		1			1			1			1			1										
2	1			1			100			1			1					1			1			1			1										
3	1		1			21	52	26	1			1		1				1			1			1			1										
4		1		1			100			1			1		1				1			1			1			1									
5	1			1		69	31			1			1		1				1			1			1			1									
6	1		1				17	83		1		1		1			1			1			1			1			1								
7	1		1				31	69	1			1		1				1			1			1			1			1							
8	1		1			33	60	7		1			1		1				1			1			1			1			1						
9	1		1			33	64	2	1			1		1				1			1			1			1			1							
10	1			1		10	90			1			1		1				1			1			1			1			1						
11	1			1		48	40	12		1			1		1				1			1			1			1			1						
12	1			1		29	71			1			1		1				1			1			1			1			1						
13	1			1		17	55	29		1			1		1				1			1			1			1			1						
14	1		1				100			1			1		1			1			1			1			1			1			1				
15	1			1		79	21			1			1		1				1			1			1			1			1			1			
16		1	1			62	38			1			1		1				1			1			1			1			1			1			
17	1			1			100			1			1		1				1			1			1			1			1			1			
18	1		1			67	33			1			1		1				1			1			1			1			1			1			
19	1			1			100			1			1		1				1			1			1			1			1			1			
20	1			1		93	7			1			1		1				1			1			1			1			1			1			
21	1		1			26	67	7			1		1		1				1			1			1			1			1			1			
22	1			1			31	69			1			1		1				1			1			1			1			1			1		
23	1		1																																		
24		1	1				100				1			1					1			1			1			1			1			1			
25	1			1			100				1			1					1			1			1			1			1			1			
26	1			1		31	69		1			1		1					1			1			1			1			1			1			
27	1			1		57	43			1		1		1					1			1			1			1			1			1			
28	1			1			100			1			1		1				1			1			1			1			1			1			
29	1		1			33	45	21		1			1		1				1			1			1			1			1			1			
30	1			1			83	17		1			1		1				1			1			1			1			1			1			

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																														
	1		2			3			4									5													
	Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan			Metode Pembelajaran									Media dalam Pembelajaran													
	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp	Bny	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis	
								Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny			
31	1			1		17	69	14		1		1			1			1			1			1			1				
32	1		1				100			1		1			1			1			1			1			1				
33	1			1		33	67			1		1			1			1			1			1			1				
34	1			1		74	26			1		1			1			1			1			1			1				
35	1			1		31	55	14			1		1			1			1			1			1			1			
36	1		1				100			1		1			1			1			1			1			1				
37		1	1			60	38	2		1		1		1			1			1		1			1		1				
38	1			1			100			1		1			1			1			1			1			1				
39	1			1			100			1		1			1			1			1			1			1				
40	1			1			67	33		1		1			1			1			1			1		1					
41	1			1			40	60		1		1			1			1			1			1			1				
42	1			1																											
43	1			1			64	36		1		1			1			1			1			1			1				
44	1			1		43	57			1		1			1			1			1			1			1				
45	1			1			26	74		1		1			1			1			1			1			1				
46	1			1			100			1		1			1			1			1			1			1				
47	1		1			33	48	19		1		1			1			1			1			1			1				
48	1		1					100		1		1			1			1			1		1			1					
49	1		1			10	60	31		1		1			1			1			1			1			1				
50	1			1		24	69	7		1		1			1			1			1			1			1				
51		1	1			10	50	40		1		1			1			1			1			1			1				
52		1		1		24	76			1		1			1			1			1		1			1					
53	1			1		10	90			1		1			1			1			1			1			1				
54	1			1			57	43		1		1			1			1			1			1			1				
55	1		1			36	45	19		1		1			1			1			1			1			1				
56	1			1		50	50			1		1			1			1			1			1			1				
57	1		1			21	62	17		1		1			1			1			1			1			1				
58	1		1				45	55		1		1			1			1			1			1			1				
59	1			1		7	52	40		1		1			1			1			1			1			1				
60	1		1				100			1		1			1			1			1			1			1				

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																															
	1		2			3			4									5														
	Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan			Metode Pembelajaran									Media dalam Pembelajaran														
	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp	Bny	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis		
								Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny				
61	1				1	33	50	17			1		1		1			1			1			1			1			1		
62	1			1			100				1		1		1			1			1			1			1			1		
63	1			1			100				1		1		1			1			1			1			1			1		
64	1		1			19	50	31			1		1		1			1			1			1			1			1		
65	1			1		13	67	20			1		1		1			1			1			1			1			1		
66	1			1		17	81	2			1		1		1			1			1			1			1			1		
67	1			1			88	12			1		1		1			1			1			1			1			1		
68	1			1		48	52		1			1		1			1			1			1			1			1			
69	1		1			29	52	19			1		1		1			1			1			1			1			1		
70	1			1			100				1		1		1			1			1			1			1			1		
71	1			1		67	33				1		1		1			1			1			1			1			1		
72	1			1			100				1		1		1			1			1			1			1			1		
73	1		1			100					1		1		1			1			1			1			1			1		
74	1		1			50	50		1			1		1			1			1			1			1			1			
75	1			1		76	24			1		1		1			1			1			1			1			1			
76	1			1			100				1		1		1			1			1			1			1			1		
77	1		1			21	79		1			1		1			1			1			1			1			1			
78	1		1			71	29		1			1		1			1			1			1			1			1			
79	1			1			100			1			1		1			1			1			1			1			1		
80	1		1			45	55		1			1		1			1			1			1			1			1			
81	1			1		100			1			1		1			1			1			1			1			1			
82	1			1		93	7			1		1		1			1			1			1			1			1			
83	1		1			24	36	40			1		1		1			1			1			1			1			1		
JUMLAH	77	6	31	51	1	2004	4928	1066	12	64	5	25	56	0	38	43	0	31	50	0	4	68	9	3	78	0	5	76	0	3	78	0
	Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan			Metode Pembelajaran									Media dalam Pembelajaran														
	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp	Bny	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis		
									Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny
%	93	7	37	61	1	25	62	13	15	79	6	31	69	0	47	53	0	38	62	0	5	84	11	4	96	0	6	94	0	4	96	0

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																												
	6																												
	Kemampuan Mengajar Nara Sumber																												
	Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Prajitno				
Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu
1		1			1			1			1			1			1			1			1			1			
2		1			1			1			1			1			1			1			1			1			
3			1		1			1			1			1			1			1			1			1			
4		1			1			1			1			1			1			1			1			1			
5			1			1			1			1			1			1			1			1		1			
6			1		1			1			1			1			1			1			1			1			
7		1			1			1			1			1			1			1			1			1			
8		1			1			1			1			1			1			1			1			1			
9		1			1			1			1			1			1			1			1			1			
10		1			1			1			1			1			1			1			1			1			
11			1		1			1			1			1			1			1			1			1			
12			1		1			1			1			1			1			1			1			1			
13			1	1				1			1			1			1			1	1					1			
14			1			1			1			1			1			1			1			1		1			
15		1			1			1			1			1			1			1			1			1			
16		1			1			1			1			1			1			1			1			1			
17		1			1			1			1			1			1			1			1			1			
18		1			1			1			1			1			1			1			1			1			
19		1			1			1			1			1			1			1			1			1			
20		1			1			1			1			1			1			1			1			1			
21		1			1			1			1			1			1			1			1			1			
22		1			1			1			1			1			1			1			1			1			
23																													
24		1			1			1			1			1			1			1			1			1			
25		1			1			1			1			1			1			1			1			1			
26		1			1			1			1			1			1			1			1			1			
27			1		1			1			1			1			1			1			1			1			
28		1			1			1			1			1			1			1			1			1			
29		1			1	1			1			1	1			1			1			1			1	1			
30			1			1			1			1			1			1			1			1		1			

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																												
	6																												
	Kemampuan Mengajar Nara Sumber																												
	Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Prajitno				
Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu
31			1			1			1			1			1			1			1			1			1		
32			1		1			1		1			1		1		1		1		1			1			1		
33			1		1			1		1			1		1		1		1		1			1			1		
34			1		1			1		1			1		1		1		1		1			1			1		
35			1		1			1		1			1		1		1		1		1			1			1		
36			1		1			1		1			1		1		1		1		1			1			1		
37			1		1			1		1			1		1		1		1		1			1			1		
38			1		1			1		1			1		1		1		1		1			1			1		
39			1		1			1		1			1		1		1		1		1			1			1		
40			1		1			1		1			1		1		1		1		1			1			1		
41			1		1			1		1			1		1		1		1		1			1			1		
42																													
43			1		1			1		1			1		1		1		1		1			1			1		
44			1		1			1		1			1		1		1		1		1			1			1		
45			1		1			1		1			1		1		1		1		1			1			1		
46			1		1			1		1			1		1		1		1		1			1			1		
47			1		1			1		1			1		1		1		1		1			1			1		
48			1		1			1		1			1		1		1		1		1			1			1		
49			1		1			1		1			1		1		1		1		1			1			1		
50			1		1			1		1			1		1		1		1		1			1			1		
51			1		1			1		1			1		1		1		1		1			1			1		
52			1		1			1		1			1		1		1		1		1			1			1		
53			1		1			1		1			1		1		1		1		1			1			1		
54			1		1			1		1			1		1		1		1		1			1			1		
55			1		1			1		1			1		1		1		1		1			1			1		
56			1		1			1		1			1		1		1		1		1			1			1		
57			1		1			1		1			1		1		1		1		1			1			1		
58			1		1			1		1			1		1		1		1		1			1			1		
59								1					1				1				1						1		
60			1		1			1		1			1		1		1		1		1			1			1		

DATA KUESIONER

III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE

6

RESPONDEN NO.

Kemampuan Mengajar Nara Sumber

RESPONDEN NO.	Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Praiitno		
	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu
	61			1			1			1			1			1			1			1			1		
62		1			1			1			1			1			1			1			1			1	
63		1			1			1			1			1			1			1			1			1	
64		1			1			1			1			1			1			1			1			1	
65		1			1			1			1			1			1			1			1			1	
66		1			1			1			1			1			1			1			1			1	
67			1			1			1			1			1			1			1			1			1
68		1			1			1			1			1			1			1			1			1	
69			1			1			1			1			1			1			1			1			1
70		1			1			1			1			1			1			1			1			1	
71		1			1			1			1			1			1			1			1			1	
72		1			1			1			1			1			1			1			1			1	
73		1			1			1			1			1			1			1			1			1	
74		1			1			1			1			1			1			1			1			1	
75		1			1			1			1			1			1			1			1			1	
76		1			1			1			1			1			1			1			1			1	
77			1			1			1			1			1			1			1			1			1
78		1			1			1			1			1			1			1			1			1	
79			1			1			1			1			1			1			1			1			1
80		1			1			1			1			1			1			1			1			1	
81			1			1			1			1			1			1			1			1			1
82			1			1			1			1			1			1			1			1			1
83			1			1			1			1			1			1			1			1			1
JUMLAH	0	51	29	1	60	18	1	52	27	1	62	16	1	66	12	0	66	13	0	55	25	1	60	18	0	65	14

Kemampuan Mengajar Nara Sumber

RESPONDEN NO.	Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Praiitno		
	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu
	%	0	64	36	1	76	23	1	65	34	1	78	20	1	84	15	0	84	16	0	69	31	1	76	23	0	82

DATA KUESIONER

RESPONDEN NO.	IV. MANFAAT PELATIHAN PROJECT CYCLE																Plth P C Lanjut	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle			
	1			2		3										4				5	6	
	Manfaat bagi Karir			Materi Bermanfaat		Pengaruh Pelatihan Project Cycle terhadap Kinerja										Ya				Tdk		
	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU											
S Kcl						Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr								
1		1		100						1					1	1	Studi kasus. Other agencies	OK. P Cycle lanjutan/pendalaman				
2		1		100											1	1	Modul dipertajam. Waktu tambah	Bermanfaat u kelangsungan proy				
3		1		86	14										1	1	Waktu kurang, materi banyak	Contoh kasus diperbanyak				
4		1		100											1	1						
5			1	31	69										1	1	Rekrutmen peserta harus selektif					
6		1		57	43										1	1	Contoh nyata	Joke. Peserta dr DPRD. Wajib Es IV				
7			1	100											1	1	Close book. Group disc. Presntion					
8			1	76	24										1	1	Praktek lap. B Inggris. Friendly	Forum alumni. Intm Trng. Kunj LN				
9			1	100											1	1	Materi harus up to date	Waktu pelatihan diperpanjang				
10		1		100											1	1	Kurikulum ditata kembali	Pengetahuan ini perlu				
11		1		57	43										1	1	Disesuaikan dg lingkungan kerja					
12		1		79	21										1	1	Syarat peserta. Soft copy materi	P Cycle lanjutan/pendalaman				
13			1	100											1	1	Waktu kePUan tambah. Studi lap. Ada instrkt kurang kompeten	Mailing list alumni. Objectivitas kelulusan. Intm Training 10 besar				
14		1		93	7										1	1	Waktu pelatihan kurang					
15		1		100											1	1	Pnympaian materi hrs berurutan	Waktu ditambah. P Cycle Lanjutan				
16			1	100											1	1	Waktu perlu ditambah. Studi lap	P Cycle lanjutan/pendalaman				
17			1	100											1	1	EIA / LARAP diperluas	Nara sumber tamu praktisi				
18		1													1	1	Update materi dg peraturan/UU	Materi p loan Kerjama dg BPKLN				
19		1		100											1	1		Pserta utamakan dr daerah/balai				
20			1	100											1	1	Update materi dg peraturan/UU	Plthan P Cycle tetap harus dilaks				
21	1			79	21										1	1	Waktu kurang. Praktek lap / paper	P Cycle lanjutan/pendalaman				
22		1		100											1	1	Waktu kurang					
23		1																				
24		1		100											1	1	P Cycle lanjutan/pendalaman					
25		1		100											1	1	Studi lapangan. Studi kelompok					
26		1		83	17										1	1	Studi lap. Nara sumber expatriate	Penerapan P Cycle dlm kegiatan				
27			1	45	55										1	1	Materi sudah usang	Studi kasus dan diskusi				
28		1		100																		
29		1		52	48										1	1	Materi perlu direview	Efektivitas waktu pelatihan				
30			1	100											1	1	Berguna di lap. P Cycle lanjutan	Peserta diseleksi. Plthan Jan-Mar				

DATA KUESIONER

RESPONDEN NO.	IV. MANFAAT PELATIHAN PROJECT CYCLE																Plth P C Lanjut	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle			
	1			2		3										4				5	6	
	Manfaat bagi Karir			Materi Bermanfaat		Pengaruh Pelatihan Project Cycle terhadap Kinerja										Ya				Tdk		
	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU											
					S Kcl	Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr								
31			1	95	7			1				1				1		Diberi materi kasus yg krusial	Pelatihan untuk CPNS baru			
32		1		100				1							1	1		Materi terlampau banyak	Seleksi peserta dengan tes			
33		1		10	90			1						1		1		Peserta haru yg berminat	Dulu bermanfaat skg tidak			
34		1		100				1						1		1						
35			1	100		1								1		1		Tambah pengajar dari kontraktor	P Cycle harus diaplikasikan di			
36			1	100		1								1		1		Lebih banyak studi lap/praktek	Waktu tambah, studi kasus			
37		1		74	26			1								1		Waktu kurang. Peserta pjabat inti	Waktu tdk cukup plthan bertahap			
38		1		100				1						1		1		Plthan P Cycle utk semua peg PU	Plthan tiap tahun utk peg baru			
39		1		100				1						1		1		Praktek lap, studi kasus	P Cycle lanjutan			
40			1	100					1					1		1		Studi kasus. Waktu ditambah	Pendidikan lanjutan			
41			1	60	40				1					1		1		Eval wktu, materi, sistem. S kasus	P Cycle lanjutan komprehensif			
42								1						1		1		Pelatihan bertahap	Studi lapangan SDA BM CK			
43		1		100					1					1		1		Aplikasi				
44			1	76	24				1					1		1						
45		1		52	48				1						1	1		Pendalaman materi. Contoh kasus				
46		1		100				1						1		1		Manajemen pimp utk implmtasi	P Cycle sesuaikan dg unit kerja			
47		1		71	29		1							1		1		Jangan hanya teori tapi contoh	Perlu praktek materi pelatihan			
48		1		93	7			1						1		1		Modul dimutakhirkan	Peserta yg lulus ikut Intmdiate Trng			
49		1		100				1							1	1						
50		1		90	10		1							1		1		Lebih baik praktek	Cara mengajar ditingkatkan			
51			1	81	19		1							1		1		Materi banyak dan penting	P Cycle lanjutan			
52			1						1					1		1		Studi kasus di Kementerian PU				
53		1		88	12			1						1		1		Studi kasus	Materi dibagikan sebelum pelthan			
54			1	100					1					1		1		Analisis sistematik antar materi	Bagus, perlu ditingkatkan			
55		1		60	40			1						1		1		Materi selektif sesuai unit kerja	Refreshing kuliah Manaj Konstr			
56			1	100				1						1		1		Pelatihan 2 periode	Pserta dimtivasi bljar stlh pelthan			
57			1	60	40				1					1		1		Studi kasus, lapangan, exercise	Sangat bagus untuk dilanjutkan			
58		1		100				1						1		1		Tambahan alokasi waktu	Sertifikat belum diterima			
59			1	100					1						1	1		Sertf tdk mncntumkan nilai				
60			1	100					1						1	1		Waktu pelatihan ditambah	Jumlah angkatan/tahun ditambah			

DATA KUESIONER

IV. MANFAAT PELATIHAN PROJECT CYCLE

RESPONDEN NO.	IV. MANFAAT PELATIHAN PROJECT CYCLE																	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle		
	1			2		3										4				5	6
	Manfaat bagi Karir			Materi Brmanfaat		Pengaruh Pelatihan Project Cycle terhadap Kinerja										Plth P C Lanjut				Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle
	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU					Ya	Tdk				
S Kcl						Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr							
61		1		86	14				1						1	1	1	Undang Pimpro	Bagus, bermutu utk calon Pimpro		
62		1		100				1							1	1	1	Penyajian ditingkatkan			
63		1		81	19		1							1	1	1	1	Simulasi dan studi kasus	Tambah alat peraga		
64	1			100		1								1	1	1	1	Waktu pelatihan ditambah	P Cycle lanjutan		
65		1					1							1	1	1	1	Diskui/case study ditambah	Baik		
66		1						1						1	1	1	1	Studi kasus dan studi lapangan			
67		1		98	2			1						1	1	1	1	Studi lap bid tgs masing2 present	Refreshing class alumni		
68		1		86	14			1						1	1	1	1	Plthan dibagi sesuai tugas fungsi	Monev pnrapan utk pnygaran		
69		1		52	48			1						1	1	1	1	Wktu krang, dikusi diperbanyak	Materi diringkas. P Cycle lanjutan		
70			1	100				1						1	1	1	1	Diskusi klompok sesuai unit kerja	Udg kpd psrta dlm waktu yg cukup		
71		1		100				1						1	1	1	1				
72			1	100				1				1		1	1	1	1	Nara sumber tamu yg pengalaman	Studi lap proyek yg sdg berjalan		
73	1				100		1							1	1	1	1				
74			1	33	67	1								1	1	1	1	Studi kasus. Slksi psrta penglman	Materi OK komprehensif		
75		1		52	48			1			1			1	1	1	1	P Cycle lanjutan utk yg di proyek	Mteri dseleksi yg ditrpkn di proy		
76	1			17	83		1							1	1	1	1	Nara sumber harus profesional	Peserta harus selektif		
77		1		100			1							1	1	1	1	Latihan bertahap. Syarat peserta	Pelatihan ini utk manajer		
78		1		86	14				1					1	1	1	1	Mteri ssuai kbthan, brtahap, bthap	Studi kasus, lapangan, P Cycle ljt		
79			1	100				1						1	1	1	1	Contoh aplikatif, lthan kelpok			
80			1	57	43				1					1	1	1	1	Studi kasus, studi lapangan	Kualifikasi psrta, seleksi materi		
81	1			60	40			1						1	1	1	1	Waktu tambah. Tes tiap slsai sesi			
82		1		100			1							1	1	1	1	Praktek lap. Psrta dr proy. Eng	Pelth tiap than, dsar, mngah, advc		
83			1	79	21					1				1	1	1	1	Mteri bakukan, update, krjasma dg PUSDATA/PUSKOMPU utk upload, mteri PPP, pelth permanen	Kolaborasi training manajemen di Kem PU terstruktur dan terus menerus		
JUMLAH	5	49	28	6356	1246	5	16	42	15	3	2	7	34	22	14	82	0				
	Manfaat bagi Karir			Materi Brmanfaat		Pengaruh Pelatihan P Cycle terhadap Kinerja										Plth P C Lanjut		Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle		
	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU					Ya	Tdk				
						S Kcl	Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr						
%	6	60	34	84	16	6	20	52	19	4	3	9	43	28	18	100	0				

DATA KUESIONER

RESPONDEN NO.	I. IDENTITAS RESPONDEN																					
	1		2			3											4		5		6	
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-											Golongan		Jabatan		Bidang Pekerjaan	
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg
1		1		1										1			0	1	0	0	0	0
2	1			1				1									0	1	0	0	0	0
3		1		1		1											0	1	0	0	0	0
4		1	1												1		0	1	0	1	0	1
5	1		1										1				0	1	0	0	0	0
6	1			1				1									0	1	0	1	0	0
7	1			1										1			0	1	0	0	0	0
8	1		1			1											0	1	0	0	0	1
9	1			1										1			0	1	0	0	0	0
10	1			1				1									0	0	0	0	0	0
11		1		1								1					0	1	0	0	0	0
12		1		1						1							0	1	0	1	0	0
13	1			1				1									0	1	0	1	0	0
14	1			1				1									0	1	0	1	0	0
15	1		1											1			0	0	0	0	0	0
16		1	1					1									0	1	0	0	0	0
17	1			1									1				0	1	0	0	0	1
18		1		1				1									0	1	0	1	0	0
19	1		1							1							0	1	0	0	0	0
20	1		1			1											0	0	0	0	0	0
21	1			1		1											0	1	0	0	0	0
22	1			1						1							0	1	0	0	0	0
23		1		1				1									0	1	0	0	0	1
24	1			1									1				0	1	0	0	0	0
25		1		1						1							0	1	0	0	0	1
26	1		1									1					0	1	0	1	0	1
27	1		1											1			0	1	0	0	0	0
28	1			1								1					0	0	0	1	0	0
29	1		1							1							0	1	0	0	0	0
30	1			1										1			0	0	0	0	0	0

DATA KUESIONER

RESPONDEN NO.	I. IDENTITAS RESPONDEN																					
	1		2			3											4		5		6	
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-											Golongan		Jabatan		Bidang Pekerjaan	
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg
31		1		1						1							0	1	0	0	0	0
32		1		1			1										0	1	0	0	0	0
33		1	1												1		0	0	0	0	0	0
34		1	1									1					0	0	0	0	0	0
35	1			1						1							0	1	0	0	0	0
36	1		1							1							0	0	0	0	0	0
37	1		1							1							0	1	0	0	0	0
38	1			1						1							0	1	0	0	0	0
39		1		1										1			0	1	0	1	0	0
40		1		1		1											0	1	0	0	0	0
41	1		1											1			0	0	0	0	0	0
42		1		1										1			0	0	0	0	0	0
43	1			1									1				0	0	0	0	0	0
44		1	1									1					0	1	0	0	0	0
45	1			1				1									0	1	0	1	0	0
46		1		1				1									0	1	0	0	0	0
47	1		1											1			0	0	0	0	0	0
48	1			1										1			0	1	0	1	0	0
49	1			1								1					0	0	0	0	0	0
50		1	1							1							0	1	0	0	0	0
51	1			1											1		0	0	0	0	0	0
52	1		1												1		0	1	0	0	0	1
53	1			1										1			0	1	0	1	0	0
54	1			1										1			0	1	0	1	0	1
55	1			1										1			0	1	0	0	0	0
56	1			1									1				0	1	0	1	0	0
57		1		1									1				0	1	0	0	0	0
58	1				1								1				0	0	0	1	0	1
59	1			1				1									0	1	0	0	0	0
60	1		1												1		0	0	0	0	0	0

DATA KUESIONER

RESPONDEN NO.	I. IDENTITAS RESPONDEN																					
	1		2			3											4		5		6	
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-											Golongan		Jabatan		Bidang Pekerjaan	
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg
61		1	1												1		0	0	0	0	0	0
62		1	1							1							0	1	0	1	0	1
63	1		1									1					0	1	0	0	0	0
64		1		1			1										0	1	0	1	0	0
65		1		1				1									0	0	0	0	0	0
66	1		1						1								0	1	0	1	0	1
67	1			1								1					0	1	0	0	0	0
68	1			1										1			0	1	0	1	0	1
69		1	1						1								0	1	0	0	0	0
70		1		1					1								0	0	0	0	0	0
71	1			1					1								0	1	0	0	0	0
72	1			1									1				0	0	0	0	0	0
73	1			1					1								0	1	0	1	0	0
74		1		1										1			0	1	0	1	0	0
75	1		1			1											0	0	0	0	0	0
76	1		1									1					0	1	0	0	0	0
77	1			1					1								0	1	0	1	0	0
78	1			1					1								0	1	0	0	0	0
79	1		1					1									0	0	0	1	0	1
80		1		1		1											0	1	0	1	0	1
81	1		1			1											0	1	0	0	0	0
82		1		1											1		0	1	0	0	0	0
83	1			1									1				0	1	0	1	0	0
JUMLAH	54	29	29	53	1	8	2	3	12	13	4	8	10	6	12	5	0	61	0	25	0	14
	Jenis Kelamin		Pendidikan			Mengikuti Pelatihan Project Cycle yang Ke-											Golongan		Jabatan		Bidang Pekerjaan	
	L	P	S1	S2	S3	1	2	3	4	5	6	7	8	9	10	11	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg	Saat Plthn	Saat Skg
%	65	35	35	64	1	10	2	4	14	16	5	10	12	7	14	6	27	73	70	30	83	17

DATA KUESIONER

RESPONDEN NO.	II. ALASAN/PENGALAMAN MENGIKUTI PROJECT CYCLE						III. PANDANGAN												
	1		2				1		2			3							
	Sudah Pernah		Mengikuti Pelatihan karena				Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan							
	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp	L	P	S1	S2	S3	Bny
1	1			1		1		1			31	50		1		1		19	
2	1		1			1			1			100		1		1			
3		1		1		1		1			21	52		1		1		26	
4		1		1			1		1			100		1	1				
5		1		1		1			1		69	31		1	1				
6		1	1			1		1				17		1		1		83	
7		1		1		1		1				31		1		1		69	
8		1		1		1		1			33	60		1	1			7	
9		1		1		1		1			33	64		1		1		2	
10	1		1			1			1		10	90		1		1			
11	1			1		1			1		48	40			1		1	12	
12		1		1		1			1		29	71		1		1			
13	1			1		1			1		17	55		1		1		29	
14		1		1		1		1				100		1		1			
15	1			1		1			1		79	21		1	1				
16	1			1			1	1			62	38		1	1				
17	1		1			1			1			100		1		1			
18		1	1			1		1			67	33		1		1			
19		1		1		1			1			100		1	1				
20		1		1		1			1		93	7		1	1				
21		1		1		1		1			26	67		1		1		7	
22	1			1		1			1			31		1		1		69	
23		1	1			1		1						1		1			
24		1		1			1	1				100		1		1			
25		1		1		1			1			100		1		1			
26		1		1		1			1		31	69		1	1				
27		1		1		1			1		57	43		1	1				
28		1		1		1			1			100		1		1			
29		1		1		1		1			33	45		1	1			21	
30		1		1		1			1			83		1		1		17	

DATA KUESIONER

RESPONDEN NO.	II. ALASAN/PENGALAMAN MENGIKUTI PROJECT CYCLE						III. PANDANGAN												
	1		2				1		2			3							
	Sudah Pernah		Mengikuti Pelatihan karena				Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan							
	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp	L	P	S1	S2	S3	Bny
31		1			1		1		1		17	69		1		1		14	
32		1		1			1		1			100		1		1			
33		1			1		1		1		33	67		1	1				
34		1			1		1		1		74	26		1	1				
35	1				1		1		1		31	55	1			1		14	
36		1	1				1		1			100	1		1				
37		1			1			1	1		60	38	1		1			2	
38		1			1		1		1			100	1			1			
39		1	1				1		1			100		1		1			
40		1			1		1		1			67		1		1		33	
41		1			1		1		1			40	1		1			60	
42		1			1		1		1					1		1			
43	1				1		1		1			64	1			1		36	
44	1				1		1		1		43	57		1	1			100	
45		1			1		1		1			26	1			1		74	
46		1			1		1		1			100		1		1			
47		1	1				1		1		33	48	1		1			19	
48	1		1				1		1				1			1			
49		1			1		1		1		10	60	1			1		31	
50		1			1		1		1		24	69		1	1			7	
51	1				1			1	1		10	50	1			1		40	
52		1	1					1	1		24	76	1		1				
53	1				1		1		1		10	90	1			1			
54		1			1		1		1			57	1			1		43	
55	1		1				1		1		36	45	1			1		19	
56	1				1		1		1		50	50	1			1			
57	1				1		1		1		21	62		1		1		17	
58	1				1		1		1			45	1				1	55	
59		1			1		1		1		7	52	1			1		40	
60		1			1		1		1			100	1		1				

DATA KUESIONER

RESPONDEN NO.	II. ALASAN/PENGALAMAN MENGIKUTI PROJECT CYCLE						III. PANDANGAN												
	1		2				1		2			3							
	Sudah Pernah		Mengikuti Pelatihan karena				Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan							
	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp	L	P	S1	S2	S3	Bny
61	1		1				1			1	33	50		1	1			17	
62		1		1			1		1			100		1	1				
63	1				1		1		1			100	1		1				
64		1			1		1		1		19	50		1		1		31	
65		1			1		1		1		13	67		1		1		20	
66	1				1		1		1		17	81	1		1			2	
67		1			1		1		1			88	1			1		12	
68	1				1		1		1		48	52	1			1			
69		1	1				1		1		29	52		1	1			19	
70		1	1				1		1			100		1		1			
71		1			1		1		1		67	33	1			1			
72	1				1		1		1			100	1			1			
73		1			1		1		1		100		1			1			
74		1			1		1		1		50	50		1		1			
75		1			1		1		1		76	24	1		1				
76	1				1		1		1			100	1		1				
77		1			1		1		1		21	79	1			1			
78		1			1		1		1		71	29	1			1			
79		1			1		1		1			100	1		1				
80		1			1		1		1		45	55		1		1			
81	1				1		1		1		100		1		1				
82		1	1				1		1		93	7		1		1			
83	1				1		1		1		24	36	1			1		40	
JUMLAH	27	56	17	21	45	0	77	6	31	51	1	2004	4928	54	29	29	53	1	1066
	Sudah Pernah		Mengikuti Pelatihan karena				Timing		Lama Waktu Pelatihan			Pemahaman Materi Pelatihan							
	Ya	Tdk	Kemauan Sndiri	Perintah Atsan	KSndr & PATsn	Lain-lain	Tpt	Tdk	Sgkt	Ckup	Lma	Sdkt	Ckp						Bny
%	33	67	20	25	54	0	93	7	37	61	1	25	62						13

DATA KUESIONER

RESPONDEN NO.	JAWABAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																							
	4												5											
	Metode Pembelajaran												Media dalam Pembelajaran											
	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis		
	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny
1		1			1			1			1			1			1			1			1	
2		1			1			1			1			1			1			1			1	
3	1				1			1			1			1			1			1			1	
4		1			1			1			1			1			1			1			1	
5		1			1			1			1			1			1			1			1	
6		1		1			1			1			1			1			1			1	1	
7	1			1			1			1			1			1			1			1	1	
8		1		1			1			1			1		1			1			1		1	
9	1			1			1			1			1			1			1			1	1	
10		1		1			1			1			1			1			1			1	1	
11		1			1			1			1			1		1			1			1	1	
12		1			1			1			1			1			1			1			1	
13		1		1			1			1			1			1			1			1	1	
14		1		1			1			1			1			1			1			1	1	
15		1			1			1			1			1			1			1			1	
16		1		1			1			1			1			1			1			1	1	
17		1			1			1			1			1			1			1			1	
18		1		1			1			1			1			1			1			1	1	
19		1			1			1			1			1			1			1			1	
20		1			1			1			1			1			1			1			1	
21			1		1			1			1			1			1			1			1	
22			1		1			1			1			1			1			1			1	
23																								
24		1			1			1			1			1			1			1			1	
25		1			1			1			1			1			1			1			1	
26	1				1			1			1			1			1			1			1	
27			1		1			1			1			1			1			1		1	1	
28		1			1			1			1			1			1			1			1	
29		1			1			1			1			1		1			1			1	1	
30		1			1			1			1			1		1			1			1	1	

DATA KUESIONER

RESPONDEN NO.	JAWABAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																						
	4												5										
	Metode Pembelajaran												Media dalam Pembelajaran										
	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis	
Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny
31		1		1			1			1			1		1		1		1		1		
32		1		1		1				1			1		1		1		1		1		
33		1			1		1			1			1		1		1		1		1		
34		1			1		1			1			1		1		1		1		1		
35			1		1		1		1			1		1		1		1		1		1	
36		1			1		1		1			1		1		1		1		1		1	
37		1			1		1		1			1		1		1		1		1		1	
38		1			1		1			1			1		1		1		1		1		
39		1			1		1			1			1		1		1		1		1		
40		1		1			1			1			1		1		1		1		1		
41		1			1		1		1			1		1		1		1		1		1	
42																							
43		1			1		1			1			1		1		1		1		1		
44		1			1		1			1			1		1		1		1		1		
45		1			1		1			1			1		1		1		1		1		
46		1		1			1			1			1		1		1		1		1		
47		1			1		1			1			1		1		1		1		1		
48		1			1		1			1			1		1		1		1		1		
49		1			1		1			1			1		1		1		1		1		
50		1			1		1			1			1		1		1		1		1		
51		1			1		1		1			1		1		1		1		1		1	
52		1			1		1			1			1		1		1		1		1		
53		1			1		1		1			1		1		1		1		1		1	
54		1		1			1		1			1		1		1		1		1		1	
55		1			1		1			1			1		1		1		1		1		
56		1			1		1			1			1		1		1		1		1		
57		1			1		1		1			1		1		1		1		1		1	
58	1			1			1		1			1		1		1		1		1		1	
59		1			1		1			1			1		1		1		1		1		
60	1			1			1		1			1		1		1		1		1		1	

DATA KUESIONER

RESPONDEN NO.	JAWABAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																							
	4												5											
	Metode Pembelajaran												Media dalam Pembelajaran											
	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis		
	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny
61			1		1		1				1			1		1			1			1		
62		1			1			1			1			1		1			1			1		
63		1			1			1			1			1		1			1			1		
64		1			1			1			1			1		1			1		1			
65		1			1			1			1			1		1			1			1		
66		1			1			1			1			1		1			1			1		
67		1			1			1			1			1		1			1			1		
68	1			1			1			1			1		1			1			1			
69		1		1				1			1			1		1			1			1		
70		1			1			1			1			1		1			1			1		
71		1			1			1			1			1		1			1			1		
72		1			1			1			1			1		1			1			1		
73		1			1			1			1			1		1			1			1		
74	1			1			1			1			1		1			1			1			
75		1			1			1			1			1		1			1			1		
76		1			1			1			1			1		1			1			1		
77	1			1			1			1			1		1			1			1			
78	1				1			1			1			1		1			1			1		
79		1			1			1			1			1		1			1			1		
80	1			1			1			1			1		1			1			1			
81	1			1			1			1			1		1			1			1			
82		1			1			1			1			1		1			1			1		
83		1		1			1			1			1		1			1			1			
JUMLAH	12	64	5	25	56	0	38	43	0	31	50	0	4	68	9	3	78	0	5	76	0	3	78	0
	Metode Pembelajaran												Media dalam Pembelajaran											
	Tatap Muka			Diskusi			Studi Kasus			Exercise			Handout			LCD			White Board			Alat Tulis		
	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny	Sdkt	Ckp	Bny
%	15	79	6	31	69	0	47	53	0	38	62	0	5	84	11	4	96	0	6	94	0	4	96	0

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																																							
	6																																							
	Kemampuan Mengajar Nara Sumber																																							
	L	P	S1	S2	S3	Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Prajitno										
Krg						Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu									
1		1		1			1			1			1			1			1			1			1			1			1									
2	1			<i>1</i>			1			1			1			1			1			1			1			1			1									
3		1		1			1			1			1			1			1			1			1			1			1									
4		1	1				1			1			1			1			1			1			1			1			1									
5	1		<i>1</i>				1		1			1			1		1			1			1		1			1		1		1								
6	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1								
7	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1								
8	1		<i>1</i>				1			1			1			1			1			1		1			1			1		1								
9	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1								
10	1			<i>1</i>			1			1		1			1			1			1		1			1			1		1		1							
11		1		1			1			1			1			1			1			1		1			1			1		1		1						
12		1		1			1			1			1			1			1			1		1		1			1		1		1		1					
13	1			<i>1</i>			1	1				1			1			1			1		1			1		1			1		1		1					
14	1			<i>1</i>			1		1			1			1		1			1		1		1		1			1		1		1		1					
15	1		<i>1</i>				1			1			1			1			1			1		1			1			1		1		1		1				
16		1	1				1			1			1			1			1			1		1			1			1		1		1		1				
17	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1		1		1				
18		1		1			1			1			1			1			1			1		1			1			1		1		1		1				
19	1		<i>1</i>				1			1			1			1			1			1		1			1			1		1		1		1				
20	1		<i>1</i>				1			1			1			1			1			1		1		1			1		1		1		1		1			
21	1			<i>1</i>			1			1			1			1			1			1		1		1			1		1		1		1		1			
22	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1		1		1		1		
23		1		1			1			1			1			1			1			1		1			1			1		1		1		1		1		
24	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1		1		1		1		
25		1		1			1			1			1			1			1			1		1			1			1		1		1		1		1		
26	1		<i>1</i>				1			1			1			1			1			1		1			1			1		1		1		1		1		
27	1		<i>1</i>				1	1		1			1	1		1			1			1		1		1			1		1		1		1		1			
28	1			<i>1</i>			1			1			1			1			1			1		1			1			1		1		1		1		1		
29	1		<i>1</i>				1			1		1			1		1			1			1		1			1			1		1		1		1		1	
30	1			<i>1</i>			1		1			1			1			1		1			1		1		1			1		1		1		1		1		

DATA KUESIONER

RESPONDEN NO.	III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE																														
	6																														
	Kemampuan Mengajar Nara Sumber																														
	L	P	S1	S2	S3	Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Prajitno	
Krg						Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu
31		1		1			1			1			1			1			1			1			1			1			
32		1		1			1		1			1		1		1		1		1		1		1		1		1			
33		1	1				1		1		1		1		1		1		1		1		1		1		1				
34		1	1				1		1		1		1		1		1		1		1		1		1		1				
35	1			1			1		1		1		1		1		1		1		1		1		1		1				
36	1		1				1		1		1		1		1		1		1		1		1		1		1				
37	1		1				1		1		1		1		1		1		1		1		1		1		1				
38	1			1			1		1		1		1		1		1		1		1		1		1		1				
39		1		1			1		1		1		1		1		1		1		1		1		1		1				
40		1		1			1		1		1		1		1		1		1		1		1		1		1				
41	1		1				1		1		1		1		1		1		1		1		1		1		1				
42		1		1																											
43	1			1			1		1		1		1		1		1		1		1		1		1		1				
44		1	1				1		1		1		1		1		1		1		1		1		1		1				
45	1			1			1		1		1		1		1		1		1		1		1		1		1				
46		1		1			1		1		1		1		1		1		1		1		1		1		1				
47	1		1				1		1		1		1		1		1		1		1		1		1		1				
48	1			1			1		1		1		1		1		1		1		1		1		1		1				
49	1			1			1		1		1		1		1		1		1		1		1		1		1				
50		1	1				1		1		1		1		1		1		1		1		1		1		1				
51	1			1			1		1		1		1		1		1		1		1		1		1		1				
52	1		1				1		1		1		1		1		1		1		1		1		1		1				
53	1			1			1		1		1		1		1		1		1		1		1		1		1				
54	1			1			1		1		1		1		1		1		1		1		1		1		1				
55	1			1			1		1		1		1		1		1		1		1		1		1		1				
56	1			1			1		1		1		1		1		1		1		1		1		1		1				
57		1		1			1		1		1		1		1		1		1		1		1		1		1				
58	1				1		1		1		1		1		1		1		1		1		1		1		1				
59	1			1									1										1								
60	1		1				1		1		1		1		1		1		1		1		1		1		1				

DATA KUESIONER

III. PANDANGAN RESPONDEN TERHADAP PELATIHAN PROJECT CYCLE

6

Kemampuan Mengajar Nara Sumber

RESPONDEN NO.						Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Prajitno		
	L	P	S1	S2	S3	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu			
																														Kemampuan Mengajar Nara Sumber		
61		1	1				1			1			1			1			1			1			1			1			1	
62		1	1				1			1			1			1			1			1			1			1			1	
63	1		1				1			1			1			1			1			1			1			1			1	
64		1		1			1			1			1			1			1			1			1			1			1	
65		1		1			1			1			1			1			1			1			1			1			1	
66	1		1				1			1			1			1			1			1			1			1			1	
67	1			1				1			1			1			1			1			1			1			1			1
68	1			1				1			1			1			1			1			1			1			1			1
69		1	1					1			1			1			1			1			1			1			1			1
70		1		1				1			1			1			1			1			1			1			1			1
71	1			1				1			1			1			1			1			1			1			1			1
72	1			1				1			1			1			1			1			1			1			1			1
73	1			1				1			1			1			1			1			1			1			1			1
74		1		1				1			1			1			1			1			1			1			1			1
75	1		1					1			1			1			1			1			1			1			1			1
76	1		1					1			1			1			1			1			1			1			1			1
77	1			1			1			1			1			1			1			1			1			1			1	
78	1			1				1			1			1			1			1			1			1			1			1
79	1		1					1			1			1			1			1			1			1			1			1
80		1		1				1			1			1			1			1			1			1			1			1
81	1		1					1			1			1			1			1			1			1			1			1
82		1		1				1			1			1			1			1			1			1			1			1
83	1			1				1			1			1			1			1			1			1			1			1
JUMLAH	54	29	29	53	1	0	51	29	1	60	18	1	52	27	1	62	16	1	66	12	0	66	13	0	55	25	1	60	18	0	65	14

Kemampuan Mengajar Nara Sumber

						Abdul Afif			Didik Hari Wilopo			Betty Sri Nurhavati			Aryono Santoo			Fifi Haryoto			Ivonne Aryati			Bambang Privambodho			Hari Purwanto			Suroto Prajitno		
	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu	Krg	Ckp	Mpu		
																															Kemampuan Mengajar Nara Sumber	
%	0	64	36	1	76	23	1	65	34	1	78	20	1	84	15	0	84	16	0	69	31	1	76	23	0	82	18					

DATA KUESIONER

IV. MANFAAT PELATIHAN PROJECT CY

RESPONDEN NO.	IV. MANFAAT PELATIHAN PROJECT CY																					
						1			2		3										4	
						Manfaat bagi Karir			Manfaat bagi Tugas		Pengaruh Pelatihan Project Cycle terhadap Kinerja										Plth P C Lanjut	
	L	P	S1	S2	S3	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU					Ya	Tdk
										S Kcl	Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr			
1		1		1			1		100					1				1			1	
2	1			1			1		100			1						1				1
3		1		1			1		86	14			1					1				1
4		1	1				1		100				1					1				1
5	1		1					1	31	69			1							1		1
6	1			1			1		57	43				1				1				1
7	1			1				1	100					1					1			1
8	1		1					1	76	24				1					1			1
9	1			1				1	100					1					1			1
10	1			1				1	100				1						1			1
11		1		1				1	57	43			1		1					1		1
12		1		1				1	79	21										1		1
13	1			1				1	100										1			1
14	1			1				1	93	7				1					1			1
15	1		1					1	100				1						1			1
16		1	1					1	100					1						1		1
17	1			1				1	100							1						1
18		1		1				1				1						1				1
19	1		1					1	100					1					1			1
20	1		1					1	100											1		1
21	1			1			1		79	21			1				1					1
22	1			1				1	100					1					1			1
23		1		1				1														1
24	1			1				1	100					1					1			1
25		1		1				1	100					1					1			1
26	1		1					1	83	17				1					1			1
27	1		1					1	45	55				1						1		1
28	1			1				1	100					1								1
29	1		1					1	52	48				1					1			1
30	1			1				1	100					1						1		1

DATA KUESIONER

RESPONDEN NO.	IV. MANFAAT PELATIHAN PROJECT CY																					
						1			2		3										4	
						Manfaat bagi Karir			Manfaat bagi Tugas		Pengaruh Pelatihan Project Cycle terhadap Kinerja										Plth P C Lanjut	
	L	P	S1	S2	S3	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU					Ya	Tdk
										S Kcl	Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr			
31		1		1				1	95	7			1				1				1	
32		1		1			1		100				1							1		1
33		1	1				1		10	90			1						1			1
34		1	1				1		100			1						1				1
35	1			1				1	100		1								1			1
36	1		1					1	100		1							1				1
37	1		1				1		74	26			1									1
38	1			1			1		100				1					1				1
39		1		1			1		100				1					1				1
40		1		1				1	100				1						1			1
41	1		1				1		60	40			1						1			1
42		1		1									1					1				1
43	1			1			1		100				1					1				1
44		1	1					1	76	24			1					1				1
45	1			1			1		52	48			1							1		1
46		1		1			1		100				1					1				1
47	1		1				1		71	29		1						1				1
48	1			1			1		93	7			1					1				1
49	1			1			1		100				1							1		1
50		1	1				1		90	10		1						1				1
51	1			1				1	81	19		1							1			1
52	1		1					1					1					1				1
53	1			1			1		88	12			1					1				1
54	1			1				1	100				1						1			1
55	1			1			1		60	40			1					1				1
56	1			1				1	100				1					1				1
57		1		1				1	60	40			1						1			1
58	1				1		1		100				1					1				1
59	1			1				1	100					1						1		1
60	1		1					1	100					1						1		1

DATA KUESIONER

IV. MANFAAT PELATIHAN PROJECT CY

RESPONDEN NO.	IV. MANFAAT PELATIHAN PROJECT CY																					
						1			2		3										4	
						Manfaat bagi Karir			Manfaat bagi Tugas		Pengaruh Pelatihan Project Cycle terhadap Kinerja										Plth P C Lanjut	
	L	P	S1	S2	S3	Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU					Ya	Tdk
										S Kcl	Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr			
61		1	1				1		86	14				1					1		1	
62		1	1				1		100										1		1	
63	1		1				1		81	19			1					1		1		
64		1		1		1			100			1						1		1		
65		1		1			1						1					1		1		
66	1		1				1						1					1		1		
67	1			1			1		98	2				1				1		1		
68	1			1			1		86	14				1					1		1	
69		1	1				1		52	48				1				1		1		
70		1		1				1	100					1				1		1		
71	1			1			1		100					1				1		1		
72	1			1				1	100							1				1		
73	1			1		1				100		1					1			1		
74		1		1				1	33	67		1							1		1	
75	1		1				1		52	48					1					1		
76	1		1			1			17	83			1					1		1		
77	1			1			1		100				1				1			1		
78	1			1			1		86	14				1				1		1		
79	1		1					1	100				1					1		1		
80		1		1				1	57	43				1				1		1		
81	1		1			1			60	40				1				1		1		
82		1		1			1		100				1				1			1		
83	1			1				1	79	21				1					1		1	
JUMLAH	54	29	29	53	1	5	49	28	6356	1246	5	16	42	15	3	2	7	34	22	14	82	0
						Manfaat bagi Karir			Manfaat bagi Tugas		Pengaruh Pelatihan P Cycle terhadap Kinerja										Plth P C Lanjut	
						Tdk	Ckp	Sngat	Sngat	Tdk	Unit Kerja Responden					Kementerian PU					Ya	Tdk
											S Kcl	Kcl	Ckp	Bsr	S Bsr	S Kcl	Kcl	Ckp	Bsr	S Bsr		
%						6	60	34	84	16	6	20	52	19	4	3	9	43	28	18	100	0

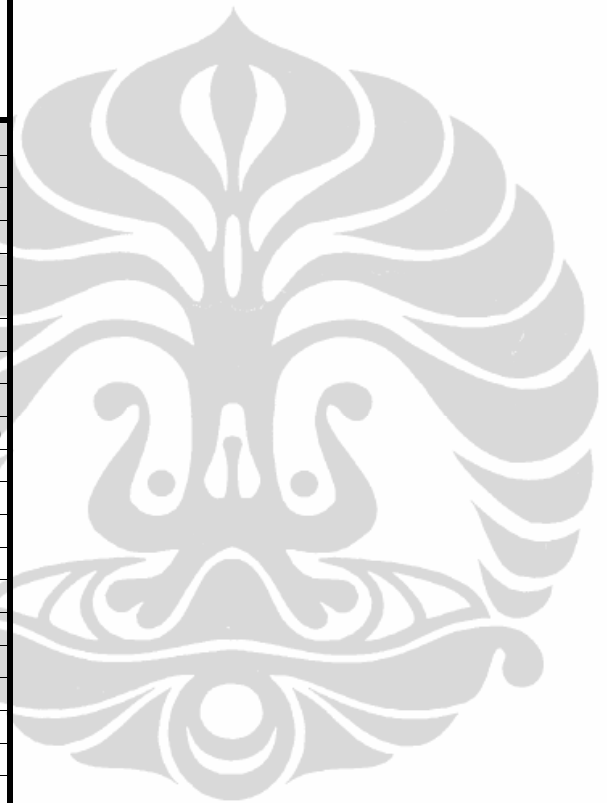
DATA KUESIONER

RESPONDEN NO.	CLE	
	5	6
	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle
1	Studi kasus. Other agencies	OK. P Cycle lanjutan/pendalaman
2	Modul dipertajam. Waktu tambah	Bermanfaat u kelangsungan proy
3	Waktu kurang, materi banyak	Contoh kasus diperbanyak
4		
5	Rekrutmen peserta harus selektif	
6	Contoh nyata	Joke. Peserta dr DPRD. Wajib Es IV
7	Close book. Group disc. Presntion	
8	Praktek lap. B Inggris. Friendly	Forum alumni. Intm Trng. Kunj LN
9	Materi harus up to date	Waktu pelatihan diperpanjang
10	Kurikulum ditata kembali	Pengetahuan ini perlu
11	Disesuaikan dg lingkungan kerja	
12	Syarat peserta. Soft copy materi	P Cycle lanjutan/pendalaman
13	Waktu kePUan tambah. Studi lap. Ada instrkt kurang kompeten	Mailing list alumni. Objectivitas kelulusan. Intm Training 10 besar
14	Waktu pelatihan kurang	
15	Pnympaian materi hrs berurutan	Waktu ditambah. P Cycle Lanjutan
16	Waktu perlu ditambah. Studi lap	P Cycle lanjutan/pendalaman
17	EIA / LARAP diperluas	Nara sumber tamu praktisi
18	Update materi dg peraturan/UU	Materi p loan Kerjama dg BPKLN
19		Pserta utamakan dr daerah/balai
20	Update materi dg peraturan/UU	Plthan P Cycle tetap harus dilaks
21	Waktu kurang. Praktek lap / paper	P Cycle lanjutan/pendalaman
22	Waktu kurang	
23		
24	P Cycle lanjutan/pendalaman	
25	Studi lapangan. Studi kelompok	
26	Studi lap. Nara sumber expatriate	Penerapan P Cycle dlm kegiatan
27	Materi sudah usang	Studi kasus dan diskusi
28		
29	Materi perlu direview	Efektivitas waktu pelatihan
30	Berguna di lap. P Cycle lanjutan	Peserta diseleksi. Plthan Jan-Mar

DATA KUESIONER

RESPONDEN NO.	CLE	
	5	6
	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle
31	Diberi materi kasus yg krusial	Pelatihan untuk CPNS baru
32	Materi terlampau banyak	Seleksi peserta dengan tes
33	Peserta haru yg berminat	Dulu bermanfaat skg tidak
34		
35	Tambah pengajar dari kontraktor	P Cycle harus diaplikasikan di
36	Lebih banyak studi lap/praktek	Waktu tambah, studi kasus
37	Waktu kurang. Peserta pjabat inti	Waktu tdk cukup plthan bertahap
38	Plthan P Cycle utk semua peg PU	Plthan tiap tahun utk peg baru
39	Praktek lap, studi kasus	P Cycle lanjutan
40	Studi kasus. Waktu ditambah	Pendidikan lanjutan
41	Eval wktu, materi, sistem. S kasus	P Cycle lanjutan komprehensif
42	Pelatihan bertahap	Studi lapangan SDA BM CK
43	Aplikasi	
44		
45	Pendalaman materi. Contoh kasus	
46	Manajemen pimp utk implmtasi	P Cycle sesuaikan dg unit kerja
47	Jangan hanya teori tapi contoh	Perlu praktek materi pelatihan
48	Modul dimutakhirkan	Peserta yg lulus ikut Intmdiate Trng
49		
50	Lebih baik praktek	Cara mengajar ditingkatkan
51	Materi banyak dan penting	P Cycle lanjutan
52	Studi kasus di Kementerian PU	
53	Studi kasus	Materi dibagikan sebelum pelthan
54	Analisis sistematis antar materi	Bagus, perlu ditingkatkan
55	Materi selektif sesuai unit kerja	Refreshing kuliah Manaj Konstr
56	Pelatihan 2 periode	Pserta dimtivasi bljar stlh pelthan
57	Studi kasus, lapangan, exercise	Sangat bagus untuk dilanjutkan
58	Tambahan alokasi waktu	Sertifikat belum diterima
59	Sertf tdk mncntumkan nilai	
60	Waktu pelatihan ditambah	Jumlah angkatan/tahun ditambah

DATA KUESIONER



RESPONDEN NO.	CLE	
	5	6
	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle
61	Undang Pimpro	Bagus, bermutu utk calon Pimpro
62	Penyajian ditingkatkan	
63	Simulasi dan studi kasus	Tambah alat peraga
64	Waktu pelatihan ditambah	P Cycle lanjutan
65	Diskui/case study ditambah	Baik
66	Studi kasus dan studi lapangan	
67	Studi lap bid tgs masing2 present	Refreshing class alumni
68	Plthan dibagi sesuai tugas fungsi	Monev pnrapan utk pnygaran
69	Wktu krang, dikusi diperbanyak	Materi diringkas. P Cycle lanjutan
70	Diskusi klompok sesuai unit kerja	Udg kpd psrta dlm waktu yg cukup
71		
72	Nara sumber tamu yg pengalaman	Studi lap proyek yg sdg berjalan
73		
74	Studi kasus. Slksi psrta penglman	Materi OK komprehensif
75	P Cycle lanjutan utk yg di proyek	Mteri dseleksi yg ditrpkn di proy
76	Nara sumber harus profesional	Peserta harus selektif
77	Latihan bertahap. Syarat peserta	Pelatihan ini utk manajer
78	Mteri ssuai kbthan, brtahap, bthap	Studi kasus, lapangan, P Cycle ljttn
79	Contoh aplikatif, lthan kelpok	
80	Studi kasus, studi lapangan	Kualifikasi psrta, seleksi materi
81	Waktu tambah. Tes tiap slsai sesi	
82	Praktek lap. Psrta dr proy. Eng	Pelth tiap than, dsar, mngah, advc
83	Mteri bakukan, update, krjasma dg PUSDATA/PUSKOMPU utk upload, mteri PPP, pelth permanen	Kolaborasi training manajemen di Kem PU terstruktur dan terus menerus
JUMLAH		
	Saran untuk Peningkatan Mutu Pelatihan Project Cycle	Komentar/Saran Lainnya tentang Pelatihan Project Cycle
%		

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification	1		
7	II.2	Demand Analysis	1		
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation			1
27	IV.10	Analysis of Multipurpose Projects			1
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project	1		
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle			1
37	VIII.2	Planning the Work			1
38	VIII.3	Project Management Organization			1
39	VIII.4	Project Management Information System			1
40	VIII.5	Contracts and Bid Evaluation			1
41	VIII.6	Working the Plan			1
42	VIII.7	Private Sector		1	
		JUMLAH	13	21	8
		%	31	50	19

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability			1
4	I.4	Project Definition and Project Sequence	1		
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities			1
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit			1
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis			1
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment			1
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project			1
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle			1
37	VIII.2	Planning the Work			1
38	VIII.3	Project Management Organization			1
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan			1
42	VIII.7	Private Sector			1
		JUMLAH	9	22	11
		%	21	52	26

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	1		0
6	II.1	Project Identification	1		0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project		1	0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis		1	0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project		1	0
26	IV.9	Joint Cost Allocation		1	0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work	1		0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	29	13	0
		%	69	31	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0		1
2	I.2	National, Sector and Project Planning	0		1
3	I.3	Sustainability	0		1
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0	1	
11	II.6	Establishing Gap for Identification of Project	0	1	
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0		1
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0		1
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0	1	
20	IV.3	Economies of Scale	0		1
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0	1	
23	IV.6	Cost Effectiveness Analysis	0		1
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0	1	
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0		1
34	VII.3	Traded and Non-traded	0		1
35	VII.4	Shadow Discount Rate	0		1
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0	1	
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	0	7	35
		%	0	17	83

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0		1
2	I.2	National, Sector and Project Planning	0		1
3	I.3	Sustainability	0		1
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0		1
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	
15	III.4	Debt Repayment	0	1	
16	III.5	Annual Statement of Cost and Benefit	0	1	
17	III.6	Uncertainty Analysis	0	1	
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0		1
20	IV.3	Economies of Scale	0		1
21	IV.4	Cost Concept and Cost Estimation	0	1	
22	IV.5	Benefit Enumeration of Project	0		1
23	IV.6	Cost Effectiveness Analysis	0	1	
24	IV.7	Community Participation	0	1	
25	IV.8	Mutual Exclusive Project	0	1	
26	IV.9	Joint Cost Allocation	0		1
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0	1	
33	VII.2	Shadow Pricing	0	1	
34	VII.3	Traded and Non-traded	0	1	
35	VII.4	Shadow Discount Rate	0		1
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	0	13	29
		%	0	31	69

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis	1		
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money			1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects			1
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project			1
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project	1		
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	14	25	3
		%	33	60	7

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence			1
5	I.5	Project Framework	1		
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation	1		
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	14	27	1
		%	33	64	2

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence		1	0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis		1	0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation		1	0
10	II.5	Capacity Estimation of Present Facilities		1	0
11	II.6	Establishing Gap for Identification of Project		1	0
12	III.1	Time Value of Money		1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	0
15	III.4	Debt Repayment		1	0
16	III.5	Annual Statement of Cost and Benefit		1	0
17	III.6	Uncertainty Analysis		1	0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation		1	0
22	IV.5	Benefit Enumeration of Project		1	0
23	IV.6	Cost Effectiveness Analysis		1	0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project		1	0
26	IV.9	Joint Cost Allocation		1	0
27	IV.10	Analysis of Multipurpose Projects		1	0
28	V.1	Environmental Impact Assessment		1	0
29	V.2	Land Acquisition and Resettlement Action Plan		1	0
30	VI.1	Financial Analysis of Project		1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project		1	0
33	VII.2	Shadow Pricing		1	0
34	VII.3	Traded and Non-traded		1	0
35	VII.4	Shadow Discount Rate		1	0
36	VIII.1	Project Implementation, Management and Control Cycle		1	0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System	1		0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	4	38	0
		%	10	90	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development			1
2	I.2	National, Sector and Project Planning			1
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis	1		
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation			1
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project	1		
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle			1
37	VIII.2	Planning the Work			1
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	20	17	5
		%	48	40	12

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence		1	0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis		1	0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation		1	0
10	II.5	Capacity Estimation of Present Facilities		1	0
11	II.6	Establishing Gap for Identification of Project		1	0
12	III.1	Time Value of Money		1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit		1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale		1	0
21	IV.4	Cost Concept and Cost Estimation		1	0
22	IV.5	Benefit Enumeration of Project		1	0
23	IV.6	Cost Effectiveness Analysis		1	0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project		1	0
26	IV.9	Joint Cost Allocation		1	0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded		1	0
35	VII.4	Shadow Discount Rate		1	0
36	VIII.1	Project Implementation, Management and Control Cycle		1	0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector	1		0
		JUMLAH	12	30	0
		%	29	71	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning	1		
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework			1
6	II.1	Project Identification			1
7	II.2	Demand Analysis	1		
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor			1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation			1
19	IV.2	Choice of Technology			1
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation			1
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project	1		
31	VI.2	Cost Recovery and Tariff Design			1
32	VII.1	Economic Appraisal of Project			1
33	VII.2	Shadow Pricing			1
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate			1
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation			1
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector			1
		JUMLAH	7	23	12
		%	17	55	29

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence		1	0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis		1	0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization	1		0
39	VIII.4	Project Management Information System	1		0
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	1		0
42	VIII.7	Private Sector	1		0
		JUMLAH	33	9	0
		%	79	21	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning	1		0
3	I.3	Sustainability	1		0
4	I.4	Project Definition and Project Sequence		1	0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation		1	0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project		1	0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment		1	0
29	V.2	Land Acquisition and Resettlement Action Plan		1	0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle		1	0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	26	16	0
		%	62	38	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	1		0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis		1	0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation		1	0
10	II.5	Capacity Estimation of Present Facilities		1	0
11	II.6	Establishing Gap for Identification of Project		1	0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment		1	0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment		1	0
29	V.2	Land Acquisition and Resettlement Action Plan		1	0
30	VI.1	Financial Analysis of Project		1	0
31	VI.2	Cost Recovery and Tariff Design		1	0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work	1		0
38	VIII.3	Project Management Organization	1		0
39	VIII.4	Project Management Information System	1		0
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	1		0
42	VIII.7	Private Sector	1		0
		JUMLAH	28	14	0
		%	67	33	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		0
2	I.2	National, Sector and Project Planning	1		0
3	I.3	Sustainability	1		0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded		1	0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work	1		0
38	VIII.3	Project Management Organization	1		0
39	VIII.4	Project Management Information System	1		0
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	1		0
42	VIII.7	Private Sector	1		0
		JUMLAH	39	3	0
		%	93	7	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence			1
5	I.5	Project Framework			1
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project			1
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	11	28	3
		%	26	67	7

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0		1
2	I.2	National, Sector and Project Planning	0		1
3	I.3	Sustainability	0		1
4	I.4	Project Definition and Project Sequence	0	1	
5	I.5	Project Framework	0	1	
6	II.1	Project Identification	0	1	
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0	1	
10	II.5	Capacity Estimation of Present Facilities	0		1
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	
15	III.4	Debt Repayment	0		1
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0		1
18	IV.1	Project Formulation	0	1	
19	IV.2	Choice of Technology	0	1	
20	IV.3	Economies of Scale	0		1
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0		1
23	IV.6	Cost Effectiveness Analysis	0		1
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0	1	
26	IV.9	Joint Cost Allocation	0		1
27	IV.10	Analysis of Multipurpose Projects	0	1	
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0	1	
34	VII.3	Traded and Non-traded	0	1	
35	VII.4	Shadow Discount Rate	0	1	
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0	1	
42	VIII.7	Private Sector	0		1
		JUMLAH	0	13	29
		%	0	31	69

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development			
2	I.2	National, Sector and Project Planning			
3	I.3	Sustainability			
4	I.4	Project Definition and Project Sequence			
5	I.5	Project Framework			
6	II.1	Project Identification			
7	II.2	Demand Analysis			
8	II.3	Forecasting			
9	II.4	Regression & Correlation			
10	II.5	Capacity Estimation of Present Facilities			
11	II.6	Establishing Gap for Identification of Project			
12	III.1	Time Value of Money			
13	III.2	Capital Recovery Factor and Sinking Fund Factor			
14	III.3	Measures of Project Worth (NPV, IRR, BCR)			
15	III.4	Debt Repayment			
16	III.5	Annual Statement of Cost and Benefit			
17	III.6	Uncertainty Analysis			
18	IV.1	Project Formulation			
19	IV.2	Choice of Technology			
20	IV.3	Economies of Scale			
21	IV.4	Cost Concept and Cost Estimation			
22	IV.5	Benefit Enumeration of Project			
23	IV.6	Cost Effectiveness Analysis			
24	IV.7	Community Participation			
25	IV.8	Mutual Exclusive Project			
26	IV.9	Joint Cost Allocation			
27	IV.10	Analysis of Multipurpose Projects			
28	V.1	Environmental Impact Assessment			
29	V.2	Land Acquisition and Resettlement Action Plan			
30	VI.1	Financial Analysis of Project			
31	VI.2	Cost Recovery and Tariff Design			
32	VII.1	Economic Appraisal of Project			
33	VII.2	Shadow Pricing			
34	VII.3	Traded and Non-traded			
35	VII.4	Shadow Discount Rate			
36	VIII.1	Project Implementation, Management and Control Cycle			
37	VIII.2	Planning the Work			
38	VIII.3	Project Management Organization			
39	VIII.4	Project Management Information System			
40	VIII.5	Contracts and Bid Evaluation			
41	VIII.6	Working the Plan			
42	VIII.7	Private Sector			
		JUMLAH			
		%			

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence		1	0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project		1	0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit		1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation		1	0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation		1	0
22	IV.5	Benefit Enumeration of Project		1	0
23	IV.6	Cost Effectiveness Analysis		1	0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project		1	0
26	IV.9	Joint Cost Allocation		1	0
27	IV.10	Analysis of Multipurpose Projects		1	0
28	V.1	Environmental Impact Assessment		1	0
29	V.2	Land Acquisition and Resettlement Action Plan		1	0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design		1	0
32	VII.1	Economic Appraisal of Project		1	0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle		1	0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	13	29	0
		%	31	69	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	1		0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation		1	0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment		1	0
16	III.5	Annual Statement of Cost and Benefit		1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation		1	0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale		1	0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	24	18	0
		%	57	43	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework			1
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting			1
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale			1
21	IV.4	Cost Concept and Cost Estimation			1
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment			1
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project			1
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate		1	
36	VIII.1	Project Implementation, Management and Control Cycle			1
37	VIII.2	Planning the Work			1
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan			1
42	VIII.7	Private Sector	1		
		JUMLAH	14	19	9
		%	33	45	21

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0		1
		JUMLAH	0	35	7
		%	0	83	17

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting			1
9	II.4	Regression & Correlation			1
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money			1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)			1
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale			1
21	IV.4	Cost Concept and Cost Estimation			1
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	7	29	6
		%	17	69	14

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence		1	0
5	I.5	Project Framework		1	0
6	II.1	Project Identification		1	0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities		1	0
11	II.6	Establishing Gap for Identification of Project		1	0
12	III.1	Time Value of Money		1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment		1	0
16	III.5	Annual Statement of Cost and Benefit		1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation		1	0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale		1	0
21	IV.4	Cost Concept and Cost Estimation		1	0
22	IV.5	Benefit Enumeration of Project		1	0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment		1	0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project		1	0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle		1	0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	14	28	0
		%	33	67	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		0
2	I.2	National, Sector and Project Planning	1		0
3	I.3	Sustainability	1		0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	1		0
6	II.1	Project Identification	1		0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation		1	0
10	II.5	Capacity Estimation of Present Facilities		1	0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation		1	0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale		1	0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis		1	0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation		1	0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design		1	0
32	VII.1	Economic Appraisal of Project		1	0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization	1		0
39	VIII.4	Project Management Information System	1		0
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	1		0
42	VIII.7	Private Sector	1		0
		JUMLAH	31	11	0
		%	74	26	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation			1
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis	1		
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project	1		
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle			1
37	VIII.2	Planning the Work			1
38	VIII.3	Project Management Organization			1
39	VIII.4	Project Management Information System			1
40	VIII.5	Contracts and Bid Evaluation			1
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	13	23	6
		%	31	55	14

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation	1		
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis	1		
24	IV.7	Community Participation			1
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project	1		
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project	1		
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	25	16	1
		%	60	38	2

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate		1	
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	0	42	0
		%			

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0		1
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0		1
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0		1
34	VII.3	Traded and Non-traded	0		1
35	VII.4	Shadow Discount Rate	0		1
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	28	14
		%	0	67	33

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0		1
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0		1
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0		1
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0		1
20	IV.3	Economies of Scale	0		1
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	0	17	25
		%	0	40	60

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development			
2	I.2	National, Sector and Project Planning			
3	I.3	Sustainability			
4	I.4	Project Definition and Project Sequence			
5	I.5	Project Framework			
6	II.1	Project Identification			
7	II.2	Demand Analysis			
8	II.3	Forecasting			
9	II.4	Regression & Correlation			
10	II.5	Capacity Estimation of Present Facilities			
11	II.6	Establishing Gap for Identification of Project			
12	III.1	Time Value of Money			
13	III.2	Capital Recovery Factor and Sinking Fund Factor			
14	III.3	Measures of Project Worth (NPV, IRR, BCR)			
15	III.4	Debt Repayment			
16	III.5	Annual Statement of Cost and Benefit			
17	III.6	Uncertainty Analysis			
18	IV.1	Project Formulation			
19	IV.2	Choice of Technology			
20	IV.3	Economies of Scale			
21	IV.4	Cost Concept and Cost Estimation			
22	IV.5	Benefit Enumeration of Project			
23	IV.6	Cost Effectiveness Analysis			
24	IV.7	Community Participation			
25	IV.8	Mutual Exclusive Project			
26	IV.9	Joint Cost Allocation			
27	IV.10	Analysis of Multipurpose Projects			
28	V.1	Environmental Impact Assessment			
29	V.2	Land Acquisition and Resettlement Action Plan			
30	VI.1	Financial Analysis of Project			
31	VI.2	Cost Recovery and Tariff Design			
32	VII.1	Economic Appraisal of Project			
33	VII.2	Shadow Pricing			
34	VII.3	Traded and Non-traded			
35	VII.4	Shadow Discount Rate			
36	VIII.1	Project Implementation, Management and Control Cycle			
37	VIII.2	Planning the Work			
38	VIII.3	Project Management Organization			
39	VIII.4	Project Management Information System			
40	VIII.5	Contracts and Bid Evaluation			
41	VIII.6	Working the Plan			
42	VIII.7	Private Sector			
		JUMLAH			
		%			

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0		1
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0		1
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	27	15
		%	0	64	36

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	1		0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	18	24	0
		%	43	57	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	
2	I.2	National, Sector and Project Planning	0		1
3	I.3	Sustainability	0	1	
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0		1
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0	1	
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0	1	
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0		1
20	IV.3	Economies of Scale	0	1	
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0	1	
23	IV.6	Cost Effectiveness Analysis	0		1
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0	1	
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0	1	
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0	1	
34	VII.3	Traded and Non-traded	0	1	
35	VII.4	Shadow Discount Rate	0	1	
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	0	11	31
		%	0	26	74

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	1		0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	1		0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	0		1
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	14	20	8
		%	33	48	19

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	0	1
2	I.2	National, Sector and Project Planning	0	0	1
3	I.3	Sustainability	0	0	1
4	I.4	Project Definition and Project Sequence	0	0	1
5	I.5	Project Framework	0	0	1
6	II.1	Project Identification	0	0	1
7	II.2	Demand Analysis	0	0	1
8	II.3	Forecasting	0	0	1
9	II.4	Regression & Correlation	0	0	1
10	II.5	Capacity Estimation of Present Facilities	0	0	1
11	II.6	Establishing Gap for Identification of Project	0	0	1
12	III.1	Time Value of Money	0	0	1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	0	1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	0	1
15	III.4	Debt Repayment	0	0	1
16	III.5	Annual Statement of Cost and Benefit	0	0	1
17	III.6	Uncertainty Analysis	0	0	1
18	IV.1	Project Formulation	0	0	1
19	IV.2	Choice of Technology	0	0	1
20	IV.3	Economies of Scale	0	0	1
21	IV.4	Cost Concept and Cost Estimation	0	0	1
22	IV.5	Benefit Enumeration of Project	0	0	1
23	IV.6	Cost Effectiveness Analysis	0	0	1
24	IV.7	Community Participation	0	0	1
25	IV.8	Mutual Exclusive Project	0	0	1
26	IV.9	Joint Cost Allocation	0	0	1
27	IV.10	Analysis of Multipurpose Projects	0	0	1
28	V.1	Environmental Impact Assessment	0	0	1
29	V.2	Land Acquisition and Resettlement Action Plan	0	0	1
30	VI.1	Financial Analysis of Project	0	0	1
31	VI.2	Cost Recovery and Tariff Design	0	0	1
32	VII.1	Economic Appraisal of Project	0	0	1
33	VII.2	Shadow Pricing	0	0	1
34	VII.3	Traded and Non-traded	0	0	1
35	VII.4	Shadow Discount Rate	0	0	1
36	VIII.1	Project Implementation, Management and Control Cycle	0	0	1
37	VIII.2	Planning the Work	0	0	1
38	VIII.3	Project Management Organization	0	0	1
39	VIII.4	Project Management Information System	0	0	1
40	VIII.5	Contracts and Bid Evaluation	0	0	1
41	VIII.6	Working the Plan	0	0	1
42	VIII.7	Private Sector	0	0	1
		JUMLAH	0	0	42
		%	0	0	100

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0		1
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0		1
23	IV.6	Cost Effectiveness Analysis	0		1
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0		1
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	4	25	13
		%	10	60	31

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	1		0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0		1
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	10	29	3
		%	24	69	7

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0		1
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0		1
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0	1	0
		JUMLAH	4	21	17
		%	10	50	40

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	1		0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	10	32	0
		%	24	76	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	1		0
		JUMLAH	4	38	0
		%	10	90	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0		1
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0		1
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0		1
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0		1
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	24	18
		%	0	57	43

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	1		0
		JUMLAH	15	19	8
		%	36	45	19

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project		1	0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work	1		0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	1		0
42	VIII.7	Private Sector	1		0
		JUMLAH	21	21	0
		%	50	50	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	9	26	7
		%	21	62	17

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0		1
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0		1
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0		1
20	IV.3	Economies of Scale	0		1
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0		1
23	IV.6	Cost Effectiveness Analysis	0		1
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0		1
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	0	19	23
		%	0	45	55

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0		1
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0		1
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0		1
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0		1
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0		1
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0		1
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0		1
		JUMLAH	3	22	17
		%	7	52	40

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0		1
11	II.6	Establishing Gap for Identification of Project	0		1
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0		1
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cot Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Aessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0		1
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	1		0
		JUMLAH	14	21	7
		%	33	50	17

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cot Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Aseessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0		1
3	I.3	Sustainability	0		1
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0		1
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	0		1
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0		1
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	8	21	13
		%	19	50	31

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0		1
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0		1
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0		1
37	VIII.2	Planning the Work	0	1	1
38	VIII.3	Project Management Organization	0	1	1
39	VIII.4	Project Management Information System	0	1	1
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0		1
42	VIII.7	Private Sector	0	1	0
		JUMLAH	6	30	9
		%	13	67	20

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0		1
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	1		0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	7	34	1
		%	17	81	2

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0		1
9	II.4	Regression & Correlation	0		1
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0		1
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0		1
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	37	5
		%	0	88	12

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		0
2	I.2	National, Sector and Project Planning	1		0
3	I.3	Sustainability	1		0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	1		0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	1		0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	1		0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	1		0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	1		0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	1		0
		JUMLAH	20	22	0
		%	48	52	0

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Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	0		1
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	1		0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0		1
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0		1
19	IV.2	Choice of Technology	0		1
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	0		1
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0		1
38	VIII.3	Project Management Organization	0		1
39	VIII.4	Project Management Information System	0		1
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	1		0
		JUMLAH	12	22	8
		%	29	52	19

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	1		0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	1		0
7	II.2	Demand Analysis	1		0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	1		0
11	II.6	Establishing Gap for Identification of Project	1		0
12	III.1	Time Value of Money	1		0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	1		0
18	IV.1	Project Formulation	1		0
19	IV.2	Choice of Technology	1		0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	1		0
22	IV.5	Benefit Enumeration of Project	1		0
23	IV.6	Cost Effectiveness Analysis	1		0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	1		0
26	IV.9	Joint Cost Allocation	1		0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	1		0
29	V.2	Land Acquisition and Resettlement Action Plan	1		0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	1		0
33	VII.2	Shadow Pricing	1		0
34	VII.3	Traded and Non-traded	1		0
35	VII.4	Shadow Discount Rate	1		0
36	VIII.1	Project Implementation, Management and Control Cycle	1		0
37	VIII.2	Planning the Work	1		0
38	VIII.3	Project Management Organization	1		0
39	VIII.4	Project Management Information System	1		0
40	VIII.5	Contracts and Bid Evaluation	1		0
41	VIII.6	Working the Plan	1		0
42	VIII.7	Private Sector	1		0
		JUMLAH	28	14	0
		%	67	33	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	0	1	0
2	I.2	National, Sector and Project Planning	0	1	0
3	I.3	Sustainability	0	1	0
4	I.4	Project Definition and Project Sequence	0	1	0
5	I.5	Project Framework	0	1	0
6	II.1	Project Identification	0	1	0
7	II.2	Demand Analysis	0	1	0
8	II.3	Forecasting	0	1	0
9	II.4	Regression & Correlation	0	1	0
10	II.5	Capacity Estimation of Present Facilities	0	1	0
11	II.6	Establishing Gap for Identification of Project	0	1	0
12	III.1	Time Value of Money	0	1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	0	1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	0	1	0
15	III.4	Debt Repayment	0	1	0
16	III.5	Annual Statement of Cost and Benefit	0	1	0
17	III.6	Uncertainty Analysis	0	1	0
18	IV.1	Project Formulation	0	1	0
19	IV.2	Choice of Technology	0	1	0
20	IV.3	Economies of Scale	0	1	0
21	IV.4	Cost Concept and Cost Estimation	0	1	0
22	IV.5	Benefit Enumeration of Project	0	1	0
23	IV.6	Cost Effectiveness Analysis	0	1	0
24	IV.7	Community Participation	0	1	0
25	IV.8	Mutual Exclusive Project	0	1	0
26	IV.9	Joint Cost Allocation	0	1	0
27	IV.10	Analysis of Multipurpose Projects	0	1	0
28	V.1	Environmental Impact Assessment	0	1	0
29	V.2	Land Acquisition and Resettlement Action Plan	0	1	0
30	VI.1	Financial Analysis of Project	0	1	0
31	VI.2	Cost Recovery and Tariff Design	0	1	0
32	VII.1	Economic Appraisal of Project	0	1	0
33	VII.2	Shadow Pricing	0	1	0
34	VII.3	Traded and Non-traded	0	1	0
35	VII.4	Shadow Discount Rate	0	1	0
36	VIII.1	Project Implementation, Management and Control Cycle	0	1	0
37	VIII.2	Planning the Work	0	1	0
38	VIII.3	Project Management Organization	0	1	0
39	VIII.4	Project Management Information System	0	1	0
40	VIII.5	Contracts and Bid Evaluation	0	1	0
41	VIII.6	Working the Plan	0	1	0
42	VIII.7	Private Sector	0	1	0
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1	0	0
2	I.2	National, Sector and Project Planning	1	0	0
3	I.3	Sustainability	1	0	0
4	I.4	Project Definition and Project Sequence	1	0	0
5	I.5	Project Framework	1	0	0
6	II.1	Project Identification	1	0	0
7	II.2	Demand Analysis	1	0	0
8	II.3	Forecasting	1	0	0
9	II.4	Regression & Correlation	1	0	0
10	II.5	Capacity Estimation of Present Facilities	1	0	0
11	II.6	Establishing Gap for Identification of Project	1	0	0
12	III.1	Time Value of Money	1	0	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	0	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	0	0
15	III.4	Debt Repayment	1	0	0
16	III.5	Annual Statement of Cost and Benefit	1	0	0
17	III.6	Uncertainty Analysis	1	0	0
18	IV.1	Project Formulation	1	0	0
19	IV.2	Choice of Technology	1	0	0
20	IV.3	Economies of Scale	1	0	0
21	IV.4	Cost Concept and Cost Estimation	1	0	0
22	IV.5	Benefit Enumeration of Project	1	0	0
23	IV.6	Cost Effectiveness Analysis	1	0	0
24	IV.7	Community Participation	1	0	0
25	IV.8	Mutual Exclusive Project	1	0	0
26	IV.9	Joint Cost Allocation	1	0	0
27	IV.10	Analysis of Multipurpose Projects	1	0	0
28	V.1	Environmental Impact Assessment	1	0	0
29	V.2	Land Acquisition and Resettlement Action Plan	1	0	0
30	VI.1	Financial Analysis of Project	1	0	0
31	VI.2	Cost Recovery and Tariff Design	1	0	0
32	VII.1	Economic Appraisal of Project	1	0	0
33	VII.2	Shadow Pricing	1	0	0
34	VII.3	Traded and Non-traded	1	0	0
35	VII.4	Shadow Discount Rate	1	0	0
36	VIII.1	Project Implementation, Management and Control Cycle	1	0	0
37	VIII.2	Planning the Work	1	0	0
38	VIII.3	Project Management Organization	1	0	0
39	VIII.4	Project Management Information System	1	0	0
40	VIII.5	Contracts and Bid Evaluation	1	0	0
41	VIII.6	Working the Plan	1	0	0
42	VIII.7	Private Sector	1	0	0
		JUMLAH	42	0	0
		%	100	0	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	0
2	I.2	National, Sector and Project Planning		1	0
3	I.3	Sustainability		1	0
4	I.4	Project Definition and Project Sequence	1	0	0
5	I.5	Project Framework	1	0	0
6	II.1	Project Identification	1	0	0
7	II.2	Demand Analysis		1	0
8	II.3	Forecasting		1	0
9	II.4	Regression & Correlation		1	0
10	II.5	Capacity Estimation of Present Facilities	1	0	0
11	II.6	Establishing Gap for Identification of Project	1	0	0
12	III.1	Time Value of Money		1	0
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	0
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	0
15	III.4	Debt Repayment	1	0	0
16	III.5	Annual Statement of Cost and Benefit	1	0	0
17	III.6	Uncertainty Analysis	1	0	0
18	IV.1	Project Formulation	1	0	0
19	IV.2	Choice of Technology		1	0
20	IV.3	Economies of Scale		1	0
21	IV.4	Cost Concept and Cost Estimation		1	0
22	IV.5	Benefit Enumeration of Project	1	0	0
23	IV.6	Cost Effectiveness Analysis		1	0
24	IV.7	Community Participation		1	0
25	IV.8	Mutual Exclusive Project	1	0	0
26	IV.9	Joint Cost Allocation	1	0	0
27	IV.10	Analysis of Multipurpose Projects	1	0	0
28	V.1	Environmental Impact Assessment	1	0	0
29	V.2	Land Acquisition and Resettlement Action Plan	1	0	0
30	VI.1	Financial Analysis of Project	1	0	0
31	VI.2	Cost Recovery and Tariff Design	1	0	0
32	VII.1	Economic Appraisal of Project	1	0	0
33	VII.2	Shadow Pricing	1	0	0
34	VII.3	Traded and Non-traded	1	0	0
35	VII.4	Shadow Discount Rate	1	0	0
36	VIII.1	Project Implementation, Management and Control Cycle		1	0
37	VIII.2	Planning the Work		1	0
38	VIII.3	Project Management Organization		1	0
39	VIII.4	Project Management Information System		1	0
40	VIII.5	Contracts and Bid Evaluation		1	0
41	VIII.6	Working the Plan		1	0
42	VIII.7	Private Sector		1	0
		JUMLAH	21	21	0
		%	50	50	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence	1		
5	I.5	Project Framework	1		
6	II.1	Project Identification	1		
7	II.2	Demand Analysis	1		
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation	1		
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project	1		
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle	1		
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System	1		
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	32	10	0
		%	76	24	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate		1	
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate		1	
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization	1		
39	VIII.4	Project Management Information System	1		
40	VIII.5	Contracts and Bid Evaluation	1		
41	VIII.6	Working the Plan	1		
42	VIII.7	Private Sector	1		
		JUMLAH	9	33	0
		%	21	79	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		
2	I.2	National, Sector and Project Planning	1		
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification	1		
7	II.2	Demand Analysis	1		
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation	1		
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle	1		
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization	1		
39	VIII.4	Project Management Information System	1		
40	VIII.5	Contracts and Bid Evaluation	1		
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	30	12	0
		%	71	29	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project		1	
12	III.1	Time Value of Money		1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment		1	
16	III.5	Annual Statement of Cost and Benefit		1	
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology		1	
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis		1	
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation		1	
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing		1	
34	VII.3	Traded and Non-traded		1	
35	VII.4	Shadow Discount Rate		1	
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector		1	
		JUMLAH	0	42	0
		%	0	100	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development		1	
2	I.2	National, Sector and Project Planning		1	
3	I.3	Sustainability		1	
4	I.4	Project Definition and Project Sequence		1	
5	I.5	Project Framework		1	
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1	
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation		1	
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation	1		
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis	1		
24	IV.7	Community Participation		1	
25	IV.8	Mutual Exclusive Project		1	
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment		1	
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design		1	
32	VII.1	Economic Appraisal of Project		1	
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle		1	
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization		1	
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	19	23	0
		%	45	55	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
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2	I.2	National, Sector and Project Planning	1		
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence	1		
5	I.5	Project Framework	1		
6	II.1	Project Identification	1		
7	II.2	Demand Analysis	1		
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation	1		
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis	1		
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project	1		
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project	1		
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle	1		
37	VIII.2	Planning the Work	1		
38	VIII.3	Project Management Organization	1		
39	VIII.4	Project Management Information System	1		
40	VIII.5	Contracts and Bid Evaluation	1		
41	VIII.6	Working the Plan	1		
42	VIII.7	Private Sector	1		
		JUMLAH	42	0	0
		%	100	0	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development	1		
2	I.2	National, Sector and Project Planning	1		
3	I.3	Sustainability	1		
4	I.4	Project Definition and Project Sequence	1		
5	I.5	Project Framework	1		
6	II.1	Project Identification	1		
7	II.2	Demand Analysis	1		
8	II.3	Forecasting	1		
9	II.4	Regression & Correlation	1		
10	II.5	Capacity Estimation of Present Facilities	1		
11	II.6	Establishing Gap for Identification of Project	1		
12	III.1	Time Value of Money	1		
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1		
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1		
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis	1		
18	IV.1	Project Formulation	1		
19	IV.2	Choice of Technology	1		
20	IV.3	Economies of Scale	1		
21	IV.4	Cost Concept and Cost Estimation	1		
22	IV.5	Benefit Enumeration of Project	1		
23	IV.6	Cost Effectiveness Analysis	1		
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects	1		
28	V.1	Environmental Impact Assessment	1		
29	V.2	Land Acquisition and Resettlement Action Plan	1		
30	VI.1	Financial Analysis of Project	1		
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project	1		
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle	1		
37	VIII.2	Planning the Work		1	
38	VIII.3	Project Management Organization	1		
39	VIII.4	Project Management Information System	1		
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	39	3	0
		%	93	7	0

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN		
			Sedikit	Cukup	Banyak
1	I.1	Concept and Indicators of Development			1
2	I.2	National, Sector and Project Planning			1
3	I.3	Sustainability			1
4	I.4	Project Definition and Project Sequence			1
5	I.5	Project Framework			1
6	II.1	Project Identification		1	
7	II.2	Demand Analysis		1	
8	II.3	Forecasting		1	
9	II.4	Regression & Correlation		1	
10	II.5	Capacity Estimation of Present Facilities		1	
11	II.6	Establishing Gap for Identification of Project			1
12	III.1	Time Value of Money			1
13	III.2	Capital Recovery Factor and Sinking Fund Factor			1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)			1
15	III.4	Debt Repayment	1		
16	III.5	Annual Statement of Cost and Benefit	1		
17	III.6	Uncertainty Analysis		1	
18	IV.1	Project Formulation			1
19	IV.2	Choice of Technology			1
20	IV.3	Economies of Scale		1	
21	IV.4	Cost Concept and Cost Estimation		1	
22	IV.5	Benefit Enumeration of Project		1	
23	IV.6	Cost Effectiveness Analysis			1
24	IV.7	Community Participation	1		
25	IV.8	Mutual Exclusive Project	1		
26	IV.9	Joint Cost Allocation	1		
27	IV.10	Analysis of Multipurpose Projects		1	
28	V.1	Environmental Impact Assessment			1
29	V.2	Land Acquisition and Resettlement Action Plan		1	
30	VI.1	Financial Analysis of Project		1	
31	VI.2	Cost Recovery and Tariff Design	1		
32	VII.1	Economic Appraisal of Project			1
33	VII.2	Shadow Pricing	1		
34	VII.3	Traded and Non-traded	1		
35	VII.4	Shadow Discount Rate	1		
36	VIII.1	Project Implementation, Management and Control Cycle			1
37	VIII.2	Planning the Work			1
38	VIII.3	Project Management Organization			1
39	VIII.4	Project Management Information System		1	
40	VIII.5	Contracts and Bid Evaluation		1	
41	VIII.6	Working the Plan		1	
42	VIII.7	Private Sector	1		
		JUMLAH	10	15	17
		%	24	36	40

Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER

Pemahaman Reponden terhadap Submodul Materi Pelatihan "Project Cycle"

NO.	NAMA SUBMODUL		PEMAHAMAN					
			Sedikit/%	Cukup/%	Banyak/%			
1	I.1	Concept and Indicators of Development	7	9	63	81	8	10
2	I.2	National, Sector and Project Planning	7	9	62	79	9	12
3	I.3	Sustainability	11	14	58	74	9	12
4	I.4	Project Definition and Project Sequence	12	15	54	69	12	15
5	I.5	Project Framework	9	12	54	69	15	19
6	II.1	Project Identification	9	12	58	74	11	14
7	II.2	Demand Analysis	17	22	53	68	8	10
8	II.3	Forecasting	16	21	51	65	11	14
9	II.4	Regression & Correlation	21	27	46	59	11	14
10	II.5	Capacity Estimation of Present Facilities	18	23	52	67	8	10
11	II.6	Establishing Gap for Identification of Project	20	26	47	60	11	14
12	III.1	Time Value of Money	22	28	43	55	13	17
13	III.2	Capital Recovery Factor and Sinking Fund Factor	20	26	48	62	10	13
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	21	27	44	56	13	17
15	III.4	Debt Repayment	25	32	48	62	5	6
16	III.5	Annual Statement of Cost and Benefit	23	29	44	56	11	14
17	III.6	Uncertainty Analysis	25	32	47	60	6	8
18	IV.1	Project Formulation	18	23	47	60	13	17
19	IV.2	Choice of Technology	17	22	52	67	9	12
20	IV.3	Economies of Scale	19	24	50	64	9	12
21	IV.4	Cost Concept and Cost Estimation	17	22	51	65	10	13
22	IV.5	Benefit Enumeration of Project	23	29	48	62	7	9
23	IV.6	Cost Effectiveness Analysis	15	19	54	69	9	12
24	IV.7	Community Participation	15	19	48	62	15	19
25	IV.8	Mutual Exclusive Project	22	28	48	62	8	10
26	IV.9	Joint Cost Allocation	24	31	49	63	5	6
27	IV.10	Analysis of Multipurpose Projects	24	31	44	56	10	13
28	V.1	Environmental Impact Assessment	19	24	44	56	15	19
29	V.2	Land Acquisition and Resettlement Action Plan	22	28	46	59	10	13
30	VI.1	Financial Analysis of Project	16	21	49	63	13	17
31	VI.2	Cost Recovery and Tariff Design	27	35	42	54	9	12
32	VII.1	Economic Appraisal of Project	19	24	45	58	14	18
33	VII.2	Shadow Pricing	30	38	41	53	7	9
34	VII.3	Traded and Non-traded	31	40	44	56	3	4
35	VII.4	Shadow Discount Rate	34	44	37	47	7	9
36	VIII.1	Project Implementation, Management and Control Cycle	12	15	46	59	20	26
37	VIII.2	Planning the Work	6	8	50	64	22	28
38	VIII.3	Project Management Organization	8	10	50	64	20	26
39	VIII.4	Project Management Information System	10	13	52	67	16	21
40	VIII.5	Contracts and Bid Evaluation	12	15	50	64	16	21
41	VIII.6	Working the Plan	8	10	55	71	15	19
42	VIII.7	Private Sector	20	26	45	58	13	17
JUMLAH				963		2640		597
Rata-rata %				23		63		14

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
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24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
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29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
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2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	36	6
		%	86	14

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis		1
8	II.3	Forecasting		1
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation		1
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation		1
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects		1
28	V.1	Environmental Impact Assessment		1
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project		1
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project		1
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	13	29
		%	31	69

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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects		1
28	V.1	Environmental Impact Assessment		1
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project		1
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	24	18
		%	57	43

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10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
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20	IV.3	Economies of Scale	1	
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34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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8	II.3	Forecasting		1
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
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21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
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29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project		1
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	32	10
		%	76	24

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
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15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
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21	IV.4	Cost Concept and Cost Estimation	1	
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23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
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34	VII.3	Traded and Non-traded	1	
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36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
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33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale		1
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33	VII.2	Shadow Pricing		1
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36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	24	18
		%	57	43

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37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	33	9
		%	79	21

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39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	39	3
		%	93	7

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
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39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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33	VII.2	Shadow Pricing		
34	VII.3	Traded and Non-traded		
35	VII.4	Shadow Discount Rate		
36	VIII.1	Project Implementation, Management and Control Cycle		
37	VIII.2	Planning the Work		
38	VIII.3	Project Management Organization		
39	VIII.4	Project Management Information System		
40	VIII.5	Contracts and Bid Evaluation		
41	VIII.6	Working the Plan		
42	VIII.7	Private Sector		
		JUMLAH		
		%		

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KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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10	II.5	Capacity Estimation of Present Facilities	1	
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16	III.5	Annual Statement of Cost and Benefit	1	
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34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
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32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development		1
2	I.2	National, Sector and Project Planning	1	
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12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
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38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	33	9
		%	79	21

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
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40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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42	VIII.7	Private Sector		
		JUMLAH		
		%		

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39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting		1
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	35	7
		%	83	17

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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation		1
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment		1
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle		1
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	19	23
		%	45	55

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11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
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33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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5	I.5	Project Framework		1
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation		1
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation		1
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects		1
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project		1
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle		1
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	22	20
		%	52	48

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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			Bermanfaat	Tidak Bermanfaat
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5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
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2	I.2	National, Sector and Project Planning	1	
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4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	39	3
		%	93	7

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
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10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
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15	III.4	Debt Repayment	1	
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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
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32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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20	IV.3	Economies of Scale		1
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23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation		1
25	IV.8	Mutual Exclusive Project		1
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33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle		1
37	VIII.2	Planning the Work		1
38	VIII.3	Project Management Organization		1
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan		1
42	VIII.7	Private Sector		1
		JUMLAH	4	38
		%	10	90

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37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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KUESIONER**

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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	31	11
		%	74	26

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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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8	II.3	Forecasting	1	
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34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
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7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
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19	IV.2	Choice of Technology	1	
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21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
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31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development		1
2	I.2	National, Sector and Project Planning		1
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	25	17
		%	60	40

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
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38	VIII.3	Project Management Organization		
39	VIII.4	Project Management Information System		
40	VIII.5	Contracts and Bid Evaluation		
41	VIII.6	Working the Plan		
42	VIII.7	Private Sector		
		JUMLAH		
		%		

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38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	32	10
		%	76	24

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34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	22	20
		%	52	48

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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KUESIONER**

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5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	30	12
		%	71	29

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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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6	II.1	Project Identification	1	
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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	39	3
		%	93	7

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8	II.3	Forecasting	1	
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10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
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29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis		1
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	38	4
		%	90	10

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
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8	II.3	Forecasting	1	
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10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
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13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
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17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation		1
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project		1
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	34	8
		%	81	19

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

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35	VII.4	Shadow Discount Rate		
36	VIII.1	Project Implementation, Management and Control Cycle		
37	VIII.2	Planning the Work		
38	VIII.3	Project Management Organization		
39	VIII.4	Project Management Information System		
40	VIII.5	Contracts and Bid Evaluation		
41	VIII.6	Working the Plan		
42	VIII.7	Private Sector		
		JUMLAH		
		%		

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37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	37	5
		%	88	12

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38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	25	17
		%	60	40

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development		1
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project		1
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	25	17
		%	60	40

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10	II.5	Capacity Estimation of Present Facilities	1	
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35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
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12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
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17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
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20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
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23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
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7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	36	6
		%	86	14

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
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6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
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27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
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32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System		1
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	34	8
		%	81	19

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38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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39	VIII.4	Project Management Information System		
40	VIII.5	Contracts and Bid Evaluation		
41	VIII.6	Working the Plan		
42	VIII.7	Private Sector		
		JUMLAH		
		%		

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19	IV.2	Choice of Technology		
20	IV.3	Economies of Scale		
21	IV.4	Cost Concept and Cost Estimation		
22	IV.5	Benefit Enumeration of Project		
23	IV.6	Cost Effectiveness Analysis		
24	IV.7	Community Participation		
25	IV.8	Mutual Exclusive Project		
26	IV.9	Joint Cost Allocation		
27	IV.10	Analysis of Multipurpose Projects		
28	V.1	Environmental Impact Assessment		
29	V.2	Land Acquisition and Resettlement Action Plan		
30	VI.1	Financial Analysis of Project		
31	VI.2	Cost Recovery and Tariff Design		
32	VII.1	Economic Appraisal of Project		
33	VII.2	Shadow Pricing		
34	VII.3	Traded and Non-traded		
35	VII.4	Shadow Discount Rate		
36	VIII.1	Project Implementation, Management and Control Cycle		
37	VIII.2	Planning the Work		
38	VIII.3	Project Management Organization		
39	VIII.4	Project Management Information System		
40	VIII.5	Contracts and Bid Evaluation		
41	VIII.6	Working the Plan		
42	VIII.7	Private Sector		
		JUMLAH		
		%		

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	41	1
		%	98	2

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9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation		1
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	36	6
		%	86	14

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8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation		1
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation		1
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects		1
28	V.1	Environmental Impact Assessment		1
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project		1
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle		1
37	VIII.2	Planning the Work		1
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	22	20
		%	52	48

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10	II.5	Capacity Estimation of Present Facilities	1	
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31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
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24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
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36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
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30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

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2	I.2	National, Sector and Project Planning		1
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18	IV.1	Project Formulation		1
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20	IV.3	Economies of Scale		1
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36	VIII.1	Project Implementation, Management and Control Cycle		1
37	VIII.2	Planning the Work		1
38	VIII.3	Project Management Organization		1
39	VIII.4	Project Management Information System		1
40	VIII.5	Contracts and Bid Evaluation		1
41	VIII.6	Working the Plan		1
42	VIII.7	Private Sector		1
		JUMLAH	0	42
		%	0	100

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36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization		1
39	VIII.4	Project Management Information System		1
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	14	28
		%	33	67

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38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation		1
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	22	20
		%	52	48

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33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle		1
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	7	35
		%	17	83

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis		1
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	36	6
		%	86	14

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
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2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project		1
12	III.1	Time Value of Money		1
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects		1
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan		1
30	VI.1	Financial Analysis of Project		1
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project		1
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	24	18
		%	57	43

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation		1
10	II.5	Capacity Estimation of Present Facilities		1
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor		1
14	III.3	Measures of Project Worth (NPV, IRR, BCR)		1
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis		1
18	IV.1	Project Formulation		1
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation		1
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis		1
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design		1
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing		1
34	VII.3	Traded and Non-traded		1
35	VII.4	Shadow Discount Rate		1
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	25	17
		%	60	40

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
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Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment	1	
16	III.5	Annual Statement of Cost and Benefit	1	
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology	1	
20	IV.3	Economies of Scale	1	
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project	1	
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project	1	
26	IV.9	Joint Cost Allocation	1	
27	IV.10	Analysis of Multipurpose Projects	1	
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector	1	
		JUMLAH	42	0
		%	100	0

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "*Project Cycle*" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT	
			Bermanfaat	Tidak Bermanfaat
1	I.1	Concept and Indicators of Development	1	
2	I.2	National, Sector and Project Planning	1	
3	I.3	Sustainability	1	
4	I.4	Project Definition and Project Sequence	1	
5	I.5	Project Framework	1	
6	II.1	Project Identification	1	
7	II.2	Demand Analysis	1	
8	II.3	Forecasting	1	
9	II.4	Regression & Correlation	1	
10	II.5	Capacity Estimation of Present Facilities	1	
11	II.6	Establishing Gap for Identification of Project	1	
12	III.1	Time Value of Money	1	
13	III.2	Capital Recovery Factor and Sinking Fund Factor	1	
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	1	
15	III.4	Debt Repayment		1
16	III.5	Annual Statement of Cost and Benefit		1
17	III.6	Uncertainty Analysis	1	
18	IV.1	Project Formulation	1	
19	IV.2	Choice of Technology		1
20	IV.3	Economies of Scale		1
21	IV.4	Cost Concept and Cost Estimation	1	
22	IV.5	Benefit Enumeration of Project		1
23	IV.6	Cost Effectiveness Analysis	1	
24	IV.7	Community Participation	1	
25	IV.8	Mutual Exclusive Project		1
26	IV.9	Joint Cost Allocation		1
27	IV.10	Analysis of Multipurpose Projects		1
28	V.1	Environmental Impact Assessment	1	
29	V.2	Land Acquisition and Resettlement Action Plan	1	
30	VI.1	Financial Analysis of Project	1	
31	VI.2	Cost Recovery and Tariff Design	1	
32	VII.1	Economic Appraisal of Project	1	
33	VII.2	Shadow Pricing	1	
34	VII.3	Traded and Non-traded	1	
35	VII.4	Shadow Discount Rate	1	
36	VIII.1	Project Implementation, Management and Control Cycle	1	
37	VIII.2	Planning the Work	1	
38	VIII.3	Project Management Organization	1	
39	VIII.4	Project Management Information System	1	
40	VIII.5	Contracts and Bid Evaluation	1	
41	VIII.6	Working the Plan	1	
42	VIII.7	Private Sector		1
		JUMLAH	33	9
		%	79	21

**Tesis: EFEKTIVITAS PELATIHAN "PROJECT CYCLE" KEMENTERIAN PEKERJAAN UMUM
KUESIONER**

Manfaat Submodul Materi "Project Cycle" bagi Responden

NO.	NAMA SUBMODUL		MANFAAT			
			Sangat Bermanfaat/%		Tidak Bermanfaat/%	
1	I.1	Concept and Indicators of Development	70	91	7	9
2	I.2	National, Sector and Project Planning	72	94	5	6
3	I.3	Sustainability	72	94	5	6
4	I.4	Project Definition and Project Sequence	73	95	4	5
5	I.5	Project Framework	72	94	5	6
6	II.1	Project Identification	72	94	5	6
7	II.2	Demand Analysis	62	81	15	19
8	II.3	Forecasting	67	87	10	13
9	II.4	Regression & Correlation	62	81	15	19
10	II.5	Capacity Estimation of Present Facilities	60	78	17	22
11	II.6	Establishing Gap for Identification of Project	62	81	15	19
12	III.1	Time Value of Money	65	84	12	16
13	III.2	Capital Recovery Factor and Sinking Fund Factor	54	70	23	30
14	III.3	Measures of Project Worth (NPV, IRR, BCR)	62	81	15	19
15	III.4	Debt Repayment	46	60	31	40
16	III.5	Annual Statement of Cost and Benefit	58	75	19	25
17	III.6	Uncertainty Analysis	61	79	16	21
18	IV.1	Project Formulation	67	87	10	13
19	IV.2	Choice of Technology	64	83	13	17
20	IV.3	Economies of Scale	60	78	17	22
21	IV.4	Cost Concept and Cost Estimation	65	84	12	16
22	IV.5	Benefit Enumeration of Project	60	78	17	22
23	IV.6	Cost Effectiveness Analysis	67	87	10	13
24	IV.7	Community Participation	67	87	10	13
25	IV.8	Mutual Exclusive Project	58	75	19	25
26	IV.9	Joint Cost Allocation	61	79	16	21
27	IV.10	Analysis of Multipurpose Projects	65	84	12	16
28	V.1	Environmental Impact Assessment	68	88	9	12
29	V.2	Land Acquisition and Resettlement Action Plan	63	82	14	18
30	VI.1	Financial Analysis of Project	69	90	8	10
31	VI.2	Cost Recovery and Tariff Design	58	75	19	25
32	VII.1	Economic Appraisal of Project	64	83	13	17
33	VII.2	Shadow Pricing	51	66	26	34
34	VII.3	Traded and Non-traded	49	64	28	36
35	VII.4	Shadow Discount Rate	47	61	30	39
36	VIII.1	Project Implementation, Management and Control Cycle	71	92	6	8
37	VIII.2	Planning the Work	74	96	3	4
38	VIII.3	Project Management Organization	74	96	3	4
39	VIII.4	Project Management Information System	74	96	3	4
40	VIII.5	Contracts and Bid Evaluation	75	97	2	3
41	VIII.6	Working the Plan	75	97	2	3
42	VIII.7	Private Sector	65	84	12	16
JUMLAH				3508		692
Rata-rata %				84		16