

# LAMPIRAN





**KUESIONER PENELITIAN  
PERBANDINGAN  
BERPASANGAN  
*KEY PERFORMANCE  
INDICATOR***

Dipersiapkan oleh:  
**Wahyu Utomo**  
**(0706174436)**



**PROGRAM STUDI  
TEKNIK INDUSTRI  
PROGRAM  
PASCA SARJANA  
BIDANG ILMU TEKNIK  
UNIVERSITAS INDONESIA  
MEI 2009**

**PENGANTAR**

Terima kasih Bapak/Ibu telah meluangkan waktu sejenak untuk mengisi kuesioner penelitian yang kami selenggarakan.

Penelitian ini bertujuan untuk membobotkan *Key Performance Indicator* pada setiap perspektif *Balanced Scorecard* berdasarkan tingkat pengaruh kepentingannya menggunakan metode *Analytical Network Process*.

Kami berharap bahwa sebagai wakil yang diberi kepercayaan untuk mengisi kuesioner ini, Bapak/Ibu dapat menggambarkan KPI yang penting untuk perusahaan dimana anda bekerja.

Dalam pengisian kuesioner ini, Bapak/Ibu tidak perlu khawatir rahasia perusahaan akan terbuka karena pertanyaan yang diajukan tidak berkenaan dengan rahasia perusahaan. Melainkan seputar keilmuan Teknik Industri. Untuk itu, bantuan Bapak/ Ibu berupa jawaban yang tepat sangat kami harapkan.

Atas perhatian dan kerjasama Bapak/ Ibu, Kami ucapan terima kasih.

Hormat Kami,

Wahyu Utomo  
(0706174436)



## DATA RESPONDEN

1. Nama:

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2. Nama Perusahaan:

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3. Jabatan Sekarang:

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4. Pendidikan Formal Terakhir:

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5. Pengalaman Kerja (dalam tahun):

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Jakarta,... ..... 2009

Tanda Tangan Responden

( \_\_\_\_\_ )



## PETUNJUK PENGISIAN KUESIONER

Dalam kuesioner ini, Bapak/Ibu diminta untuk memberikan pertimbangan terhadap setiap perbandingan berpasangan antara KPI. Berikut ini adalah skala yang digunakan untuk membandingkan secara berpasangan antara KPI.

Tingkat Kepentingan	Definisi	Penjelasan
1	Kedua kriteria <b>sama penting</b>	Kedua kriteria mempunyai pengaruh yang sama
3	Kriteria yang satu <b>sedikit lebih penting</b> daripada yang lainnya	Penilaian sedikit lebih memihak pada salah satu kriteria dibandingkan pasangannya
5	Kriteria yang satu <b>lebih penting</b> daripada yang lainnya	Penilaian jelas memihak pada salah satu kriteria dibandingkan pasangannya
7	Kriteria yang satu <b>sangat penting</b> daripada yang lainnya	Salah satu kriteria sangat berpengaruh dan dominasinya tampak nyata
9	Kriteria yang satu <b>mutlak sangat penting</b> daripada yang lainnya	Kriteria yang satu mutlak sangat penting dibandingkan pasangannya
2, 4, 6, 8	<b>Nilai tengah</b> di antara dua pertimbangan yang berdekatan	Diberikan jika terdapat keraguan di antara kedua penilaian yang berdekatan
Kebalikan	Jika kriteria X memiliki salah satu nilai di atas pada saat dibandingkan dengan kriteria Y, maka kriteria Y memiliki nilai kebalikan bila dibandingkan dengan kriteria X.	

Bentuk perbandingan berpasangan adalah sebagai berikut:

Kriteria X    

9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
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    Kriteria Y

**Skala bagian kiri** dipakai jika kriteria X mempunyai tingkat kepentingan/pengaruh di atas kriteria Y.

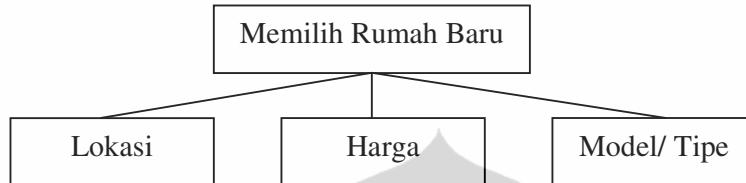
**Skala bagian kanan** dipakai jika kriteria Y mempunyai tingkat kepentingan/pengaruh di atas kriteria X.



## CONTOH PENGISIAN KUESIONER

Berikut ini adalah contoh pengisian kuesioner untuk keputusan memilih rumah baru.

Model hirarki keputusannya adalah sebagai berikut:



Tujuan

: Memilih rumah baru

Lokasi

9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
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Harga

Bagaimanakah faktor Lokasi dan Harga, berpengaruh atau dipengaruhi terhadap tujuan Memilih Rumah Baru?

Jika Lokasi dinilai **sama penting** dibandingkan Harga, maka dipilih angka **1**.

Tujuan

: Memilih rumah baru

Lokasi

9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
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Model/ Tipe

Bagaimanakah faktor Lokasi dan Model/Tipe, berpengaruh atau dipengaruhi terhadap tujuan Memilih Rumah Baru?

Jika Lokasi dinilai **lebih penting** dibandingkan Model/ Tipe, maka dipilih angka **5 di bagian kiri**.

Tujuan

: Memilih rumah baru

Model/ Tipe

9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
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Harga

Bagaimanakah faktor Model/Tipe dan Harga, berpengaruh atau dipengaruhi terhadap tujuan Memilih Rumah Baru?

Jika Harga dinilai antara **sangat lebih penting (7)** dan **mutlak sangat lebih penting (9)** dibandingkan Model/ Tipe, maka dipilih angka **8 di bagian kanan**.

**Mohon diperhatikan konsistensi Jawaban Bapak/ Ibu**, karena akan sangat menentukan validitas jawaban Bapak/ Ibu. Sebagai contoh kondisi konsistensi:

**Jika kriteria X lebih penting daripada kriteria Y, dan kriteria Y lebih penting daripada kriteria Z, maka kriteria X sangat lebih penting daripada kriteria Z.**



## BALANCED SCORECARD TEMPLET HEAVY EQUIPMENT INDUSTRY

Perspective	Objective	Measure/KPI
Financial	Growth	<i>Revenue growth level (F1)</i>
	Productivity	<i>Productivity &amp; cost reduction level (F2)</i>
Customer	Market Share	<i>Customer Retention (C1)</i>
		<i>Customer Acquisition (C2)</i>
	Customer Satisfaction	<i>Customer Satisfaction (C3)</i>
Internal Process	Operational Management	<i>Prime Product delivery (I1)</i>
		<i>Product Support (Service) delivery (I2)</i>
		<i>Product Support (Part) delivery (I3)</i>
	Customer management	<i>Customer Relationship Management (I4)</i>
	Safety & Health	<i>Safety, Health &amp; Environment Index (I5)</i>
Learning and Growth	Human Capital	<i>Human capital readiness (L1)</i>
		<i>Key employee turnover (L2)</i>
	Information Capital	<i>IT System Availability (L3)</i>
	Organization Capital	<i>Implementation of Organization Strategy (L4)</i>

Keterangan:

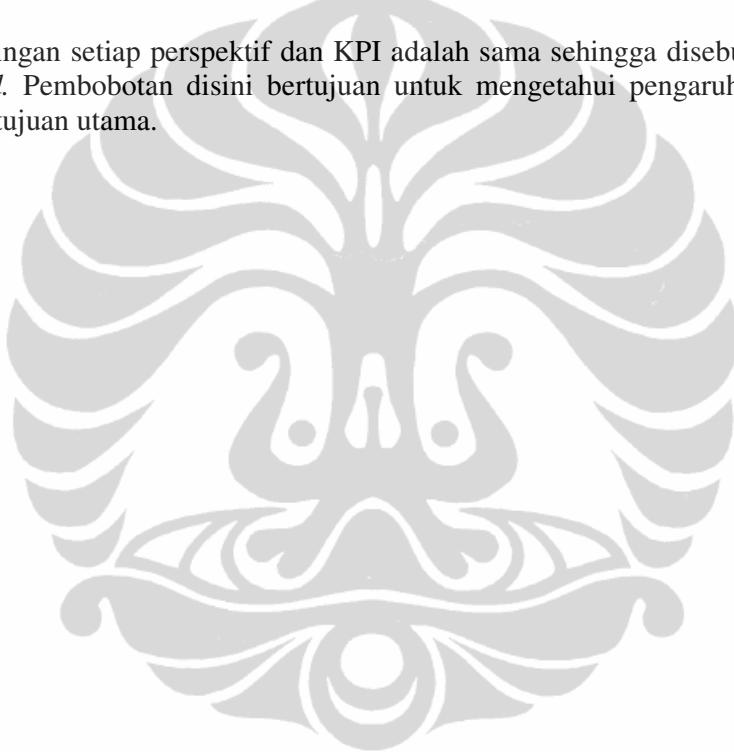
- F1. *Revenue growth level* adalah pengukuran yang bertujuan untuk melihat pertumbuhan atau peningkatan pendapatan perusahaan.
- F2. *Productivity & cost reduction level* adalah pengukuran yang bertujuan untuk melihat usaha peningkatan produktivitas (*output* dibagi *input*) yang dilakukan serta pengurangan biaya.
- C1. *Customer Retention* merefleksikan loyalitas pelanggan yang ditunjukkan dengan *repeat order*.
- C2. *Customer Acquisition* mereleksikan perolehan pelanggan baru dalam pembelian produk dan kontrak *Customer Service Agreement (CSA)* dari pelanggan lama.
- C3. *Customer Satisfaction Index* menunjukkan tingkat kepuasan pelanggan terhadap produk/jasa yang diberikan.
- I1. *Prime Product delivery* adalah menyangkut semua atribut (*price, quality, time, delivery, function*) manajemen penjualan mesin alat berat.
- I2. *Product Support (Service) delivery*, adalah menyangkut atribut dari manajemen pelayanan perbaikan mesin alat berat yang berikan, misalkan: *availability, utilization, service accuracy, redo, maintenance ratio*, dll.
- I3. *Product Support (Part) delivery*, adalah menyangkut semua atribut dari manajemen penjualan suku cadang, misalkan: *inventory level, part turnover, availability*, dll.
- I4. *Customer Relationship Management* berkaitan dengan usaha yang dilakukan dalam menjaga hubungan dengan pelanggan.
- I5. *Safety, Health & Environment* adalah penerapan K3 di lokasi kerja maupun *jobsite*.
- L1. *Human capital readiness* berkaitan dengan kesiapan dan ketersediaan SDM secara kuantitas dan kualitas dalam menghadapi tantangan bisnis.



- L2. *Key employee turnover* berkaitan dengan bertahannya/retensi karyawan yang memeliki keahlian strategis, memegang posisi dan proses kunci.
- L3. *IT System Availability* berkaitan dengan ketersediaan Sistem Informasi dalam mendukung proses bisnis.
- L4. *Implementation of Organization Strategy* berkaitan dengan penciptaan iklim kerja, pengembangan proses kerja, sistem implementasi dan review strategi perusahaan.

Strategi adalah rencana besar dan jangka panjang dalam mencapai visi, misi, dan tujuan perusahaan, sehingga formulasinya memungkinkan untuk berubah menyesuaikan dengan kondisi. Termasuk adalah kondisi krisis ekonomi global yang akan berpengaruh pada strategi perusahaan. Oleh karena itu, formulasi strategi berikut adalah dengan wacana kekinian untuk menghadapai masa depan.

Tingkat kepentingan setiap perspektif dan KPI adalah sama sehingga disebut *Balanced Scorecard*. Pembobotan disini bertujuan untuk mengetahui pengaruh antar KPI dan pada tujuan utama.



Control	1. Financial																
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
3. Internal Process	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
Control	2. Customer																
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
3. Internal Process	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
Control	3. Internal Process																
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
3. Internal Process	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
Control	4. Learning & growth																
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
1. Financial	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
2. Customer	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
3. Internal Process	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	F1. Revenue growth level																
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	F2. Productivity & cost reduction																
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	C1. Customer retention																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	C2. Customer acquisition																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	C3. Customer satisfaction																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	I1. Prime product delivery																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	I2. Product support service delivery																	
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	F2. Productivity & cost reduction
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C2. Customer acquisition
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I3. Product support part delivery
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L2. Key employee turnover
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy

Control	I3. Product support part delivery																	
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	F2. Productivity & cost reduction
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C2. Customer acquisition
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I2. Product support service delivery
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L2. Key employee turnover
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy

**Control****I4. Customer relationship management**

F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	F2. Productivity & cost reduction
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C2. Customer acquisition
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I2. Product support service delivery
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I3. Product support part delivery
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I3. Product support part delivery
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I5. Safety, health & environment
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L2. Key employee turnover
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy

**Control****I5. Safety, health & environment**

F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	F2. Productivity & cost reduction
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C2. Customer acquisition
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	C3. Customer satisfaction
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I2. Product support service delivery
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I3. Product support part delivery
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I3. Product support part delivery
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	I4. Customer relationship management
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L2. Key employee turnover
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L3. IT system availability
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9	L4. Implementation of Org strategy

Control	L1 Human capital readiness																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	L2. Key employee turnover																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L3. IT system availability	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	L3. IT system availability																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9

Control	L4. Implementation of Org strategy																
F1. Revenue growth level	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C1. Customer retention	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
C2. Customer acquisition	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I1. Prime product delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I2. Product support service delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I3. Product support part delivery	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
I4. Customer relationship management	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L1 Human capital readiness	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9
L2. Key employee turnover	9	8	7	6	5	4	3	2	1	2	3	4	5	6	7	8	9



## PENUTUP

Terima kasih atas bantuan Bapak/ Ibu dalam pengisian kuesioner ini. Apabila ada pertanyaan mengenai kuesioner ini, dapat menghubungi:

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**PENGOLAHAN DATA PENELITIAN**  
**RATA-RATA GEOMETRIK JAWABAN SETIAP RESPONDEN**  
**PADA SETIAP ITEM PERBANDINGAN BERPASANGAN KPI**

**I. Perbandingan Berpasangan Perspektif *Balanced Scorecard***

Control 1. Financial

1	2					3					4							
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
1	1.00	7.00	1.00	0.33	1.00	1.185	1.00	8.00	1.00	0.33	2.00	1.398	1.00	6.00	1.00	0.33	4.00	1.516
2							1.00	7.00	1.00	0.33	0.33	0.951	1.00	7.00	1.00	0.33	2.00	1.361
3													1.00	6.00	1.00	0.33	2.00	1.320

Control 2. Customer

1	2					3					4							
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
1	0.33	0.14	1.00	0.33	1.00	0.437	0.33	0.13	1.00	0.33	0.50	0.370	0.33	0.20	1.00	0.33	2.00	0.536
2							1.00	7.00	1.00	0.33	0.33	0.951	3.00	7.00	1.00	0.33	2.00	1.695
3													1.00	6.00	1.00	0.33	3.00	1.431

Control 3. Internal Process

1	2					3					4							
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
1	0.33	0.14	1.00	0.33	3.00	0.544	0.33	0.13	1.00	0.33	4.00	0.561	1.00	0.20	1.00	0.33	5.00	0.803
2							0.33	0.14	1.00	0.33	0.33	0.351	1.00	7.00	1.00	0.33	2.00	1.361
3													3.00	7.00	1.00	0.33	3.00	1.838

Control 4. Learning & Growth

1	2					3					4							
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
1	1.00	0.33	1.00	0.33	2.00	0.740	1.00	0.25	1.00	0.33	2.00	0.699	0.33	0.14	1.00	0.33	3.00	0.544
2							1.00	0.20	1.00	0.33	0.50	0.506	0.33	0.14	1.00	0.33	3.00	0.544
3													0.33	0.13	1.00	0.33	3.00	0.530

**II. Perbandingan Berpasangan KPI**

Control F1 Revenue growth level

F1	C2					C3						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	7.00	1.00	5.00	9.00	1.00	3.160	0.14	2.00	1.00	0.20	0.33	0.453
C2							0.14	2.00	0.20	0.14	0.33	0.307

F1	I2					I3					I4					I5								
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean						
I1	3.00	0.33	1.00	1.00	0.33	0.803	1.00	0.50	1.00	1.00	0.33	0.699	0.14	0.33	0.33	3.00	0.437	0.14	4.00	0.50	0.33	1.00	0.625	
I2							0.33	3.00	1.00	1.00	1.00		0.14	0.33	0.33	3.00	1.00	0.544	0.14	2.00	0.50	0.33	3.00	0.678
I3													0.14	0.33	0.33	3.00	1.00	0.544	0.14	3.00	0.50	0.33	3.00	0.735
I4													0.33	5.00	1.00	0.33	3.00		0.14	3.00	0.50	0.33	3.00	1.108

F1	L2					L3					L4							
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	1.00	4.00	3.00	0.33	3.00	1.838	3.00	5.00	3.00	0.33	1.00	1.719	3.00	4.00	3.00	0.33	3.00	2.048
L2							3.00	2.00	2.00	3.00	0.33	1.644	0.33	2.00	2.00	3.00	0.33	1.059
L3													0.50	1.00	1.00	3.00	0.33	0.871

Control F2 Productivity & cost reduction level

F2	C2					C3						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	3.00	0.50	5.00	9.00	3.00	2.893	0.33	0.33	1.00	0.14	3.00	0.544
C2							0.20	1.00	0.20	0.14	3.00	0.443

F2	I2					I3					I4					I5				
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean		
I1	0.33	0.50	1.00	1.00	3.00	0.871	0.33	0.50	1.00	1.00	4.00	0.922	0.14	0.50	0.33	3.00	4.00	0.778		
I2							0.33	2.00	1.00	1.00	3.00	1.149	0.14	2.00	0.33	3.00	4.00	0.970		
I3													0.14	0.50	0.33	3.00	4.00	0.778		
I4													0.14	3.00	0.50	0.33	3.00	2.00		

F2	L2					L3					L4						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5
L1	1.00	4.00	3.00	0.33	3.00	1.644	3.00	2.00	3.00	3.00	2.766	3.00	3.00	3.00	5.00	3.00	3.

Control C2 Customer acquisition

C2	F2					
	1	2	3	4	5	Geomean
F1	1.00	9.00	3.00	1.00	3.00	2.408

C2	C3					
	1	2	3	4	5	Geomean
C1	1.00	0.20	0.33	0.33	1.00	0.467

C2	I2						I3						I4						I5					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I1	3.00	0.50	1.00	0.33	3.00	1.084	3.00	0.50	1.00	0.33	3.00	1.084	3.00	0.25	0.33	3.00	3.00	1.176	3.00	2.00	0.50	0.33	5.00	1.380
I2							0.33	2.00	1.00	3.00	1.00	1.149	0.20	0.25	0.33	3.00	2.00	0.631	0.14	2.00	0.50	0.33	3.00	0.678
I3													0.14	0.33	0.33	3.00	3.00	0.678	0.14	2.00	0.50	0.33	5.00	0.750
I4																			0.14	6.00	2.00	0.33	5.00	1.234

C2	L2						L3						L4					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	1.00	4.00	3.00	0.33	1.00	1.320	5.00	7.00	3.00	3.00	3.00	3.936	0.33	6.00	3.00	3.00	1.00	1.783
L2							3.00	3.00	2.00	3.00	3.00	2.766	0.33	0.25	2.00	3.00	1.00	0.871
L3													0.33	0.20	0.50	3.00	1.00	0.631

Control C3 Customer satisfaction

C3	F2					
	1	2	3	4	5	Geomean
F1	0.33	0.50	3.00	1.00	1.00	0.871

C3	C2					
	1	2	3	4	5	Geomean
C1	3.00	5.00	0.33	3.00	3.00	2.141

C3	I2						I3						I4						I5					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I1	1.00	0.33	1.00	0.33	0.33	0.517	1.00	0.33	1.00	0.33	0.33	0.517	1.00	0.11	0.33	0.33	0.33	0.333	0.14	2.00	0.50	0.33	2.00	0.625
I2							1.00	3.00	1.00	1.00	1.00	1.246	0.33	0.25	0.33	3.00	1.00	0.608	0.14	2.00	0.50	0.33	3.00	0.678
I3													0.33	0.17	0.33	3.00	1.00	0.561	0.14	2.00	0.50	0.33	3.00	0.678
I4																			0.33	6.00	2.00	0.33	3.00	1.320

C3	L2						L3						L4					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	3.00	2.00	3.00	0.33	1.00	1.431	3.00	2.00	3.00	3.00	2.00	2.766	3.00	4.00	3.00	3.00	1.00	2.551
L2							3.00	2.00	2.00	3.00	2.00	2.352	0.33	0.33	2.00	3.00	1.00	0.922
L3													0.33	0.20	0.50	3.00	0.50	0.549

Control I1 Prime product delivery

I1	F2					
	1	2	3	4	5	Geomean
F1	0.33	0.33	3.00	1.00	3.00	1.000

I1	C2						C3					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	3.00	3.00	0.33	3.00	1.00	1.552	0.33	1.00	1.00	0.33	1.00	0.644
C2							0.33	1.00	0.50	0.33	1.00	0.561

I1	I3						I4						I5					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I2	1.00	2.00	1.00	1.00	3.00	1.431	0.33	0.33	0.33	3.00	3.00	0.803	0.20	2.00	0.50	0.33	5.00	0.803
I3							0.20	0.33	0.33	3.00	2.00	0.668	0.14	2.00	0.50	0.33	3.00	0.678
I4													0.14	3.00	2.00	0.33	2.00	0.894

I1	L2						L3						L4					
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	3.00	2.00	3.00	0.33	1.00	1.431	3.00	2.00	3.00	3.00	2.00	2.551	0.33	2.00	3.00	3.00	1.00	1.431
L2							3.00	2.00	2.00	3.00	1.00	1.431	0.33	2.00	2.00	3.00	1.00	1.320
L3													0.33	0.50	0.50	3.00	1.00	0.758

Control I2 Product support service delivery

I2	F2					
	1	2	3	4	5	Geomean
F1	0.33	3.00	3.00	1.00	3.00	1.552

Control I3 Product support part delivery

F2						
	1	2	3	4	5	
F1	0.33	2.00	3.00	1.00	2.00	1.320

I3	C2					C3					Geomean	
	1	2	3	4	5	Geomean	1	2	3	4	5	
C1	3.00	2.00	0.33	3.00	1.00	1.431	0.33	1.00	1.00	0.33	1.00	0.644
C2							0.33	1.00	0.50	0.33	1.00	0.561

I3	I2					I4					I5					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I1	0.33	0.50	1.00	0.33	0.50	0.488	0.14	0.25	0.33	0.33	0.50	0.288	0.14	3.00	0.50	0.33	1.00	0.590
I2							0.20	0.33	0.33	3.00	1.00	0.582	0.14	2.00	0.50	0.33	3.00	0.678
I4													0.14	3.00	2.00	0.33	3.00	0.970

I3	L2					L3					L4					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	5.00	2.00	3.00	0.33	1.00	1.585	3.00	3.00	3.00	0.33	1.00	1.552	3.00	2.00	3.00	0.33	1.00	1.431
L2							0.33	3.00	2.00	3.00	0.50	1.246	0.33	0.33	2.00	3.00	0.50	0.803
L3													3.00	0.33	0.50	3.00	2.00	1.246

Control I4 Customer relationship management

F2						
	1	2	3	4	5	
F1	1.00	0.50	3.00	1.00	1.00	1.084

I4	C2					C3					Geomean	
	1	2	3	4	5	Geomean	1	2	3	4	5	
C1	3.00	3.00	0.33	3.00	1.00	1.552	0.33	3.00	1.00	0.33	1.00	0.803
C2							0.33	2.00	0.50	0.33	1.00	0.644

I4	I2					I3					I5					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I1	0.33	0.50	1.00	0.33	0.33	0.450	0.33	0.50	0.33	0.33	0.33	0.361	3.00	3.00	0.50	0.33	2.00	1.246
I2							0.33	2.00	0.33	3.00	1.00	0.922	3.00	3.00	0.50	0.33	2.00	1.246
I3													3.00	3.00	2.00	0.33	2.00	1.644

I4	L2					L3					L4					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	3.00	4.00	3.00	0.33	1.00	1.644	3.00	5.00	3.00	0.33	1.00	1.719	3.00	2.00	3.00	0.33	1.00	1.431
L2							0.33	4.00	2.00	3.00	1.00	1.516	0.33	0.50	2.00	3.00	1.00	1.000
L3													3.00	0.33	0.50	3.00	1.00	1.084

Control I5 Safety, Health &amp; Environment Index

F2						
	1	2	3	4	5	
F1	0.20	0.50	3.00	1.00	3.00	0.979

I5	C2					C3					Geomean	
	1	2	3	4	5	Geomean	1	2	3	4	5	
C1	3.00	1.00	0.33	3.00	1.00	1.246	0.33	0.50	1.00	0.33	1.00	0.561
C2							0.33	0.50	0.50	0.33	1.00	0.488

I5	I2					I3					I4					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I1	0.20	0.50	1.00	0.33	0.33	0.407	0.20	0.50	0.33	0.33	0.33	0.326	3.00	0.50	0.50	0.33	0.33	0.608
I2							3.00	2.00	0.33	3.00	1.00	1.431	5.00	2.00	0.50	3.00	1.00	1.719
I3													3.00	2.00	2.00	3.00	1.00	2.048
I4													0.50	0.50	0.50	3.00	1.00	0.822

L1	L2					L3					L4					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	3.00	1.00	0.33	3.00	1.00	1.246	0.33	0.50	1.00	0.33	1.00	0.561	3.00	0.50	2.00	3.00	1.00	1.552
C2							0.20	0.33	0.50	0.33	1.00	0.407						

L1	I2					I3					I4					Geomean		
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
I1	0.33	0.50	1.00	0.33	1.00	0.561	0.33	0.50	1.00	0.33	1.00	0.561	0.33	0.25	0.33	0.33	1.00	0.392
I2							3.00	2.00	1.									

Control L2 Key employee turnover

L2	F2					Geomean
	1	2	3	4	5	
F1	0.33	0.33	3.00	1.00	1.00	0.803

L2	C2					C3						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	3.00	1.00	0.33	3.00	1.00	1.246	0.33	0.50	1.00	0.33	1.00	0.561
C2						0.33	0.33	0.50	0.33	1.00	0.450	

L2	I2					I3					I4					I5								
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean						
I1	0.33	0.50	1.00	0.33	1.00	0.561	0.33	0.50	1.00	0.33	1.00	0.561	0.20	0.25	0.33	0.33	1.00	0.354	0.20	2.00	0.50	0.33	1.00	0.582
I2						3.00	3.00	1.00	3.00	1.00	1.933		0.33	0.33	0.33	3.00	1.00	0.644	0.20	2.00	0.50	0.33	1.00	0.582
I3												0.33	0.25	0.33	3.00	1.00	0.608	0.20	3.00	0.50	0.33	1.00	0.631	
I4																		0.20	4.00	2.00	0.33	1.00	0.882	

L2	L3					L4						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	3.00	1.00	2.00	3.00	1.00	2.221	3.00	2.00	2.00	3.00	1.00	2.048
L3						0.33	0.50	0.50	3.00	1.00	0.758	

Control L3 IT system availability

L3	F2					Geomean
	1	2	3	4	5	
F1	0.33	0.50	3.00	1.00	1.00	0.871

L3	C2					C3						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	3.00	1.00	0.33	3.00	1.00	1.246	0.33	0.50	1.00	0.33	1.00	0.561
C2						0.33	0.50	0.50	0.33	1.00	0.488	

L3	I2					I3					I4					I5								
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean						
I1	0.33	0.33	1.00	0.33	1.00	0.517	0.33	0.33	1.00	0.33	1.00	0.517	0.33	0.25	0.33	0.33	1.00	0.392	0.20	2.00	0.50	0.33	1.00	0.582
I2						0.33	2.00	1.00	3.00	1.00	1.149		0.33	0.33	0.33	3.00	1.00	0.644	0.20	2.00	0.50	0.33	1.00	0.582
I3												0.33	0.25	0.33	3.00	1.00	0.608	0.20	2.00	0.50	0.33	1.00	0.582	
I4																		0.20	2.00	0.33	1.00	0.768		

L3	L2					L4						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	3.00	2.00	2.00	0.33	1.00	1.320	3.00	2.00	2.00	3.00	1.00	2.048
L2						0.33	0.50	2.00	3.00	1.00	1.000	

Control L4 Implementation of organization strategy

L4	F2					Geomean
	1	2	3	4	5	
F1	0.33	0.33	3.00	1.00	1.00	0.803

L4	C2					C3						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
C1	3.00	1.00	0.33	3.00	1.00	1.246	0.33	0.50	1.00	0.33	1.00	0.561
C2						0.33	0.33	0.50	0.33	1.00	0.450	

L4	I2					I3					I4					I5								
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean						
I1	0.33	0.33	1.00	0.33	1.00	0.517	0.33	0.50	1.00	0.33	1.00	0.561	0.25	0.25	0.33	0.33	1.00	0.370	0.20	2.00	0.50	0.33	1.00	0.582
I2						3.00	3.00	1.00	3.00	1.00	1.933		0.33	0.33	0.33	3.00	1.00	0.644	0.20	2.00	0.50	0.33	1.00	0.582
I3												0.33	0.25	0.33	3.00	1.00	0.608	0.20	2.00	0.50	0.33	1.00	0.582	
I4																		0.20	3.00	2.00	0.33	3.00	1.037	

L4	L2					L3						
	1	2	3	4	5	Geomean	1	2	3	4	5	Geomean
L1	3.00	2.00	2.00	0.33	3.00	1.783	3.00	4.00	2.00	3.00	3.00	2.930
L2						3.00	5.00	2.00	3.00	3.00	3.064	

## I. Perbandingan Berpasangan Perspektif *Balanced Scorecard*

<b>1. Financial</b>	1. Financial	2. Customer	3. Internal Process	4. Learning & growth	Eigenvector	Inconsistency Index
1. Financial	1.000	1.185	1.398	1.516	0.310	0.0022
2. Customer	<b>0.844</b>	1.000	<b>0.951</b>	1.361	0.252	
3. Internal Process	<b>0.715</b>	1.052	1.000	1.320	0.246	
4. Learning & growth	<b>0.660</b>	<b>0.735</b>	<b>0.758</b>	1.000	0.192	
<b>2. Customer</b>	1. Financial	2. Customer	3. Internal Process	4. Learning & growth	Eigenvector	Inconsistency Index
1. Financial	1.000	<b>0.437</b>	<b>0.370</b>	<b>0.536</b>	0.127	0.0039
2. Customer	2.290	1.000	<b>0.951</b>	1.695	0.324	
3. Internal Process	2.702	1.052	1.000	1.431	0.331	
4. Learning & growth	1.864	<b>0.590</b>	<b>0.699</b>	1.000	0.219	
<b>3. Internal Process</b>	1. Financial	2. Customer	3. Internal Process	4. Learning & growth	Eigenvector	Inconsistency Index
1. Financial	1.000	<b>0.544</b>	<b>0.561</b>	<b>0.803</b>	0.166	0.0444
2. Customer	1.838	1.000	<b>0.351</b>	1.361	0.228	
3. Internal Process	1.783	2.853	1.000	1.838	0.414	
4. Learning & growth	1.246	<b>0.735</b>	<b>0.544</b>	1.000	0.192	
<b>4. Learning &amp; growth</b>	1. Financial	2. Customer	3. Internal Process	4. Learning & growth	Eigenvector	Inconsistency Index
1. Financial	1.000	<b>0.740</b>	<b>0.699</b>	<b>0.544</b>	0.172	0.0266
2. Customer	1.351	1.000	<b>0.506</b>	<b>0.544</b>	0.186	
3. Internal Process	1.431	1.974	1.000	<b>0.530</b>	0.265	
4. Learning & growth	1.838	1.838	1.888	1.000	0.377	

## II. Perbandingan Berpasangan KPI

F1	C1	C2	C3
C1	1.000	3.160	0.453
C2	0.316	1.000	0.307
C3	2.208	3.259	1.000

Eigenvector	Inconsistency Index
0.320	
0.131	0.0622
0.549	

F1	I1	I2	I3	I4	I5
I1	1.000	0.803	0.699	0.437	0.625
I2	1.246	1.000	1.000	0.544	0.678
I3	1.431	1.000	1.000	0.544	0.735
I4	2.290	1.838	1.838	1.000	1.108
I5	1.600	1.476	1.361	0.903	1.000

Eigenvector	Inconsistency Index
0.132	
0.164	0.0020
0.171	
0.295	
0.237	

F1	L1	L2	L3	L4
L1	1.000	1.838	1.719	2.048
L2	0.544	1.000	1.644	1.059
L3	0.582	0.608	1.000	0.608
L4	0.488	0.944	1.644	1.000

Eigenvector	Inconsistency Index
0.382	
0.233	0.0183
0.164	
0.222	

F2	C1	C2	C3
C1	1.000	2.893	0.544
C2	0.346	1.000	0.443
C3	1.838	2.255	1.000

Eigenvector	Inconsistency Index
0.352	
0.162	0.0791
0.486	

F2	I1	I2	I3	I4	I5
I1	1.000	0.871	0.922	0.778	0.590
I2	1.149	1.000	1.149	0.970	0.824
I3	1.084	0.871	1.000	0.778	0.778
I4	1.285	1.031	1.285	1.000	0.778
I5	1.695	1.213	1.285	1.285	1.000

Eigenvector	Inconsistency Index
0.162	
0.200	0.0016
0.177	
0.209	
0.253	

F2	L1	L2	L3	L4
L1	1.000	1.644	2.766	3.323
L2	0.608	1.000	1.783	1.888
L3	0.361	0.561	1.000	0.871
L4	0.301	0.530	1.149	1.000

Eigenvector	Inconsistency Index
0.441	
0.267	0.0035
0.145	
0.147	

C1	F1	F2
F1	1.000	2.408
F2	0.415	1.000

Eigenvector	Inconsistency Index
0.707	0.0000
0.293	

C1	C2	C3
C2	1.000	0.226
C3	4.427	1.000

Eigenvector	Inconsistency Index
0.184	0.0000
0.816	

C1	I1	I2	I3	I4	I5
I1	1.000	0.467	0.467	0.380	0.718
I2	2.141	1.000	1.149	0.422	0.735
I3	2.141	0.871	1.000	0.441	0.678
I4	2.631	2.371	2.268	1.000	1.027
I5	1.393	1.361	1.476	0.974	1.000

Eigenvector	Inconsistency Index
0.108	
0.176	0.0261
0.166	
0.320	
0.230	

C1	L1	L2	L3	L4
L1	1.000	1.246	2.141	1.933
L2	0.803	1.000	3.064	2.221
L3	0.467	0.326	1.000	0.922
L4	0.517	0.450	1.084	1.000

Eigenvector	Inconsistency Index
0.346	
0.352	0.0123
0.140	
0.161	

C2	F1	F2
F1	1.000	2.408
F2	0.415	1.000

Eigenvector	Inconsistency Index
0.707	0.0000
0.293	

C2	C1	C3
C1	1.000	0.467
C3	2.141	1.000

Eigenvector	Inconsistency Index
0.318	
0.682	0.0000

C2	I1	I2	I3	I4	I5
I1	1.000	1.084	1.084	1.176	1.380
I2	0.922	1.000	1.149	0.631	0.678
I3	0.922	0.871	1.000	0.678	0.750
I4	0.850	1.585	1.476	1.000	1.234
I5	0.725	1.476	1.332	0.811	1.000

Eigenvector	Inconsistency Index
0.227	
0.169	0.0121
0.165	
0.236	
0.203	

C2	L1	L2	L3	L4
L1	1.000	1.320	3.936	1.783
L2	0.758	1.000	2.766	0.871
L3	0.254	0.361	1.000	0.631
L4	0.561	1.149	1.585	1.000

Eigenvector	Inconsistency Index
0.393	
0.265	0.0187
0.112	
0.230	

C3	F1	F2
F1	1.000	0.871
F2	1.149	1.000

Eigenvector	Inconsistency Index
0.465	0.0000
0.535	

C3	C1	C2
C1	1.000	2.141
C2	0.467	1.000

Eigenvector	Inconsistency Index
0.682	
0.318	0.0000

C3	I1	I2	I3	I4	I5
I1	1.000	0.517	0.517	0.333	0.625
I2	1.933	1.000	1.246	0.608	0.678
I3	1.933	0.803	1.000	0.561	0.678
I4	3.000	1.644	1.783	1.000	1.320
I5	1.600	1.476	1.476	0.758	1.000

Eigenvector	Inconsistency Index
0.107	
0.188	0.0087
0.169	
0.306	
0.230	

C3	L1	L2	L3	L4
L1	1.000	1.431	2.766	2.551
L2	0.699	1.000	2.352	0.922
L3	0.361	0.425	1.000	0.549
L4	0.392	1.084	1.821	1.000

Eigenvector	Inconsistency Index
0.409	
0.253	0.0201
0.122	
0.215	

I1	F1	F2
F1	1.000	1.000
F2	1.000	1.000

Eigenvector	Inconsistency Index
0.500	<b>0.0000</b>
0.500	

I1	C1	C2	C3
C1	1.000	1.552	<b>0.644</b>
C2	<b>0.644</b>	1.000	<b>0.561</b>
C3	1.552	1.783	1.000

Eigenvector	Inconsistency Index
0.321	
0.229	<b>0.0097</b>
0.451	

I1	I2	I3	I4	I5
I2	1.000	1.431	<b>0.803</b>	<b>0.803</b>
I3	<b>0.699</b>	1.000	<b>0.668</b>	<b>0.678</b>
I4	1.246	1.496	1.000	<b>0.894</b>
I5	1.246	1.476	1.118	1.000

Eigenvector	Inconsistency Index
0.241	
0.185	<b>0.0022</b>
0.280	
0.295	

I1	L1	L2	L3	L4
L1	1.000	1.431	2.551	1.431
L2	<b>0.699</b>	1.000	1.431	1.320
L3	<b>0.392</b>	<b>0.699</b>	1.000	<b>0.758</b>
L4	<b>0.699</b>	<b>0.758</b>	1.320	1.000

Eigenvector	Inconsistency Index
0.363	
0.257	<b>0.0060</b>
0.162	
0.219	

I2	F1	F2
F1	1.000	1.552
F2	<b>0.644</b>	1.000

Eigenvector	Inconsistency Index
0.608	<b>0.0000</b>
0.392	

I2	C1	C2	C3
C1	1.000	1.552	<b>0.644</b>
C2	<b>0.644</b>	1.000	<b>0.561</b>
C3	1.552	1.783	1.000

Eigenvector	Inconsistency Index
0.321	
0.229	<b>0.0097</b>

I2	I1	I3	I4	I5
I1	1.000	0.450	<b>0.295</b>	<b>0.474</b>
I3	2.221	1.000	0.354	0.474
I4	3.393	2.825	1.000	1.074
I5	2.112	2.112	0.931	1.000

Eigenvector	Inconsistency Index
0.112	
0.175	<b>0.0290</b>
0.395	
0.317	

I2	L1	L2	L3	L4
L1	1.000	1.644	1.644	1.552
L2	<b>0.608</b>	1.000	2.048	1.431
L3	<b>0.608</b>	<b>0.488</b>	1.000	<b>0.660</b>
L4	<b>0.644</b>	<b>0.699</b>	1.516	1.000

Eigenvector	Inconsistency Index
0.346	
0.278	<b>0.0193</b>
0.160	
0.216	

I3	F1	F2
F1	1.000	1.320
F2	<b>0.758</b>	1.000

Eigenvector	Inconsistency Index
0.569	<b>0.0000</b>
0.431	

I3	C1	C2	C3
C1	1.000	1.431	0.644
C2	0.699	1.000	0.561
C3	1.552	1.783	1.000

Eigenvector	Inconsistency Index
0.313	
0.235	0.0052
0.452	

I3	I1	I2	I4	I5
I1	1.000	0.488	0.288	0.590
I2	2.048	1.000	0.582	0.678
I4	3.471	1.719	1.000	0.970
I5	1.695	1.476	1.031	1.000

Eigenvector	Inconsistency Index
0.126	
0.218	0.0219
0.360	
0.296	

I3	L1	L2	L3	L4
L1	1.000	1.585	1.552	1.431
L2	0.631	1.000	1.246	0.803
L3	0.644	0.803	1.000	1.246
L4	0.699	1.246	0.803	1.000

Eigenvector	Inconsistency Index
0.334	
0.220	0.0141
0.221	
0.225	

I4	F1	F2
F1	1.000	1.084
F2	0.922	1.000

Eigenvector	Inconsistency Index
0.520	0.0000
0.480	

I4	C1	C2	C3
C1	1.000	1.552	0.803
C2	0.644	1.000	0.644
C3	1.246	1.552	1.000

Eigenvector	Inconsistency Index
0.351	
0.243	0.0052
0.406	

I4	I1	I2	I3	I5
I1	1.000	0.450	0.361	1.246
I2	2.221	1.000	0.922	1.246
I3	2.766	1.084	1.000	1.644
I5	0.803	0.803	0.608	1.000

Eigenvector	Inconsistency Index
0.161	
0.298	0.0295
0.351	
0.189	

I4	L1	L2	L3	L4
L1	1.000	1.644	1.719	1.431
L2	0.608	1.000	1.516	1.000
L3	0.582	0.660	1.000	1.084
L4	0.699	1.000	0.922	1.000

Eigenvector	Inconsistency Index
0.345	
0.240	0.0111
0.197	
0.219	

I5	F1	F2
F1	1.000	0.979
F2	1.021	1.000

Eigenvector	Inconsistency Index
0.495	0.0000
0.505	

I5	C1	C2	C3
C1	1.000	1.000	0.561
C2	1.000	1.000	0.488
C3	1.783	2.048	1.000

Eigenvector	Inconsistency Index
0.262	
0.250	0.0019
0.489	

I5	I1	I2	I3	I4
I1	1.000	0.407	0.326	0.608
I2	2.460	1.000	1.431	1.719
I3	3.064	0.699	1.000	2.048
I4	1.644	0.582	0.488	1.000

Eigenvector	Inconsistency Index
0.121	
0.360	0.0163
0.331	
0.188	

I5	L1	L2	L3	L4
L1	1.000	1.644	1.431	1.431
L2	0.608	1.000	2.048	1.552
L3	0.699	0.488	1.000	0.822
L4	0.699	0.644	1.217	1.000

Eigenvector	Inconsistency Index
0.331	
0.287	0.0263
0.176	
0.205	

L1	F1	F2
F1	1.000	0.594
F2	1.683	1.000

Eigenvector	Inconsistency Index
0.373	0.0000
0.627	

L1	C1	C2	C3
C1	1.000	1.246	0.561
C2	0.803	1.000	0.407
C3	1.783	2.460	1.000

Eigenvector	Inconsistency Index
0.276	
0.214	0.0011
0.510	

L1	I1	I2	I3	I4	I5
I1	1.000	0.561	0.561	0.392	0.631
I2	1.783	1.000	1.783	1.000	0.582
I3	1.783	0.561	1.000	0.644	0.582
I4	2.551	1.000	1.552	1.000	0.768
I5	1.585	1.719	1.719	1.303	1.000

Eigenvector	Inconsistency Index
0.116	
0.215	0.0212
0.156	
0.236	
0.276	

L1	L2	L3	L4
L2	1.000	2.048	1.552
L3	0.488	1.000	0.758
L4	0.644	1.320	1.000

Eigenvector	Inconsistency Index
0.469	
0.229	0.0000
0.302	

L2	F1	F2
F1	1.000	0.803
F2	1.246	1.000

Eigenvector	Inconsistency Index
0.445	
0.555	0.0000

L2	C1	C2	C3
C1	1.000	1.246	0.561
C2	0.803	1.000	0.450
C3	1.783	2.221	1.000

Eigenvector	Inconsistency Index
0.279	
0.224	0.0000
0.497	

L2	I1	I2	I3	I4	I5
I1	1.000	0.561	0.561	0.354	0.582
I2	1.783	1.000	1.933	0.644	0.582
I3	1.783	0.517	1.000	0.608	0.631
I4	2.825	1.552	1.644	1.000	0.882
I5	1.719	1.719	1.585	1.134	1.000

Eigenvector	Inconsistency Index
0.110	
0.201	0.0211
0.154	
0.271	
0.265	

L2	L1	L3	L4
L1	1.000	2.221	2.048
L3	0.450	1.000	0.758
L4	0.488	1.320	1.000

Eigenvector	Inconsistency Index
0.515	
0.217	0.0041
0.268	

L3	F1	F2
F1	1.000	0.871
F2	1.149	1.000

Eigenvector	Inconsistency Index
0.442	
0.558	0.0000

L3	C1	C2	C3
C1	1.000	1.246	0.561
C2	0.803	1.000	0.488

Eigenvector	Inconsistency Index
0.281	
0.232	0.0007

C3	1.783	2.048	1.000
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0.487
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L3	I1	I2	I3	I4	I5
I1	1.000	0.517	0.517	0.392	0.582
I2	1.933	1.000	1.149	0.644	0.582
I3	1.933	0.871	1.000	0.608	0.582
I4	2.551	1.552	1.644	1.000	0.768
I5	1.719	1.719	1.719	1.303	1.000

Eigenvector	Inconsistency Index
0.109	0.0111
0.182	
0.170	
0.288	
0.250	

L3	L1	L2	L4
L1	1.000	1.320	2.048
L2	0.758	1.000	1.000
L4	0.488	1.000	1.000

Eigenvector	Inconsistency Index
0.451	0.0207
0.295	
0.255	

L4	F1	F2
F1	1.000	0.803
F2	1.246	1.000

Eigenvector	Inconsistency Index
0.445	0.0000
0.555	
0.555	

L4	C1	C2	C3
C1	1.000	1.246	0.561
C2	0.803	1.000	0.450
C3	1.783	2.221	1.000

Eigenvector	Inconsistency Index
0.279	0.0000
0.224	
0.497	
0.276	
0.260	

L4	I1	I2	I3	I4	I5
I1	1.000	0.517	0.561	0.370	0.582
I2	1.933	1.000	1.933	0.644	0.582
I3	1.783	0.517	1.000	0.608	0.582
I4	2.702	1.552	1.644	1.000	1.037
I5	1.719	1.719	1.719	0.964	1.000

Eigenvector	Inconsistency Index
0.109	0.0191
0.204	
0.151	
0.276	
0.260	

L4	L1	L2	L3
L1	1.000	1.783	2.930
L2	0.561	1.000	3.064
L3	0.341	0.326	1.000

Eigenvector	Inconsistency Index
0.508	0.0416
0.351	
0.141	

### Unweighted Super Matrix

	F1 Reve~	F2 Prod~	C1 Cust~	C2 Cust~	C3 Cust~	I1 Prim~	I2 Prod~	I3 Prod~	I4 Cust~	I5 Safe~	L1 Huma~	L2 Key ~	L3 IT s~	L4 Impl~
F1 Reve~	0	1	0.70657	0.70657	0.46533	0.5	0.60815	0.56897	0.52015	0.4948	0.37273	0.44525	0.46533	0.44525
F2 Prod~	1	0	0.29343	0.29343	0.53467	0.5	0.39185	0.43103	0.47985	0.5052	0.62727	0.55475	0.53467	0.55475
C1 Cust~	0.32041	0.35199	0	0.31838	0.68163	0.3209	0.3209	0.31306	0.35072	0.26164	0.27621	0.2789	0.28091	0.2789
C2 Cust~	0.13068	0.16195	0.18427	0	0.31837	0.22858	0.22858	0.23538	0.24317	0.24982	0.21427	0.22386	0.23164	0.22386
C3 Cust~	0.54891	0.48606	0.81573	0.68162	0	0.45052	0.45052	0.45156	0.40611	0.48853	0.50951	0.49724	0.48745	0.49724
I1 Prim~	0.13191	0.16186	0.10841	0.22691	0.10663	0	0.11229	0.12587	0.16143	0.1212	0.11606	0.10963	0.1089	0.10863
I2 Prod~	0.16398	0.19967	0.17639	0.16905	0.18797	0.2412	0	0.21831	0.29826	0.35999	0.21548	0.20071	0.18214	0.20362
I3 Prod~	0.17157	0.1768	0.16572	0.16497	0.16945	0.18464	0.17531	0	0.3511	0.33122	0.1564	0.15412	0.17037	0.15136
I4 Cust~	0.29488	0.20903	0.31951	0.23566	0.30575	0.27955	0.39538	0.35952	0	0.18759	0.23595	0.27064	0.28814	0.27615
I5 Safe~	0.23766	0.25263	0.22997	0.20341	0.2302	0.29461	0.31701	0.2963	0.18921	0	0.27611	0.2649	0.25045	0.26024
L1 Huma~	0.38165	0.44117	0.34648	0.39335	0.40929	0.36251	0.34588	0.33379	0.34495	0.33149	0	0.51466	0.45052	0.50823
L2 Key ~	0.23325	0.26712	0.35172	0.26474	0.25298	0.25664	0.27779	0.21962	0.23981	0.28698	0.46891	0	0.29482	0.35084
L3 IT s~	0.16355	0.14516	0.14033	0.11176	0.1224	0.16165	0.16013	0.22126	0.19665	0.17607	0.22893	0.21703	0	0.14093
L4 Impl~	0.22155	0.14655	0.16148	0.23015	0.21533	0.21921	0.2162	0.22533	0.21859	0.20546	0.30216	0.26831	0.25466	0

### Cluster Matrix

	1. Financial	2. Customer	3. Internal Process	4. Learning & growth	Priorities
1. Financial	0.310	0.127	0.166	0.172	0.19370
2. Customer	0.252	0.324	0.228	0.186	0.24744
3. Internal Process	0.246	0.331	0.414	0.265	0.31392
4. Learning & growth	0.192	0.219	0.192	0.377	0.24494

## Weighted Super Matrix

	F1 Reve~	F2 Prod~	C1 Cust~	C2 Cust~	C3 Cust~	I1 Prim~	I2 Prod~	I3 Prod~	I4 Cust~	I5 Safe~	L1 Huma~	L2 Key ~	L3 IT s~	L4 Impl~
F1 Reve~	0	0.3104	0.08947	0.08947	0.05892	0.08282	0.10074	0.09425	0.08616	0.08196	0.06409	0.07655	0.08001	0.07655
F2 Prod~	0.3104	0	0.03716	0.03716	0.0677	0.08282	0.06491	0.0714	0.07949	0.08368	0.10785	0.09538	0.09193	0.09538
C1 Cust~	0.08068	0.08863	0	0.10313	0.22078	0.07318	0.07318	0.07139	0.07997	0.05966	0.05141	0.05191	0.05229	0.05191
C2 Cust~	0.0329	0.04078	0.05969	0	0.10312	0.05212	0.05212	0.05367	0.05545	0.05697	0.03988	0.04167	0.04312	0.04167
C3 Cust~	0.13821	0.12239	0.26422	0.22078	0	0.10273	0.10273	0.10297	0.09261	0.1114	0.09484	0.09255	0.09073	0.09255
I1 Prim~	0.03247	0.03984	0.03586	0.07506	0.03527	0	0.04651	0.05213	0.06686	0.0502	0.03073	0.02903	0.02884	0.02877
I2 Prod~	0.04036	0.04914	0.05835	0.05592	0.06218	0.0999	0	0.09042	0.12353	0.1491	0.05706	0.05315	0.04823	0.05392
I3 Prod~	0.04223	0.04351	0.05482	0.05457	0.05605	0.07647	0.07261	0	0.14542	0.13718	0.04142	0.04081	0.04512	0.04008
I4 Cust~	0.07258	0.05145	0.10569	0.07795	0.10114	0.11578	0.16376	0.1489	0	0.07769	0.06248	0.07167	0.0763	0.07313
I5 Safe~	0.05849	0.06218	0.07607	0.06729	0.07615	0.12202	0.1313	0.12272	0.07836	0	0.07312	0.07015	0.06632	0.06892
L1 Huma~	0.07316	0.08457	0.07577	0.08602	0.0895	0.06966	0.06646	0.06414	0.06628	0.0637	0	0.19408	0.16989	0.19166
L2 Key ~	0.04471	0.0512	0.07691	0.05789	0.05532	0.04931	0.05338	0.0422	0.04608	0.05515	0.17683	0	0.11118	0.1323
L3 IT s~	0.03135	0.02783	0.03069	0.02444	0.02677	0.03106	0.03077	0.04252	0.03779	0.03383	0.08633	0.08184	0	0.05315
L4 Impl~	0.04247	0.02809	0.03531	0.05033	0.04709	0.04212	0.04154	0.0433	0.042	0.03948	0.11395	0.10118	0.09604	0

## Limit Matrix

	F1 Reve~	F2 Prod~	C1 Cust~	C2 Cust~	C3 Cust~	I1 Prim~	I2 Prod~	I3 Prod~	I4 Cust~	I5 Safe~	L1 Huma~	L2 Key ~	L3 IT s~	L4 Impl~
F1 Reve~	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355	0.09355
F2 Prod~	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071	0.09071
C1 Cust~	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174	0.08174
C2 Cust~	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511
C3 Cust~	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293	0.11293
I1 Prim~	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022	0.04022
I2 Prod~	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696	0.06696
I3 Prod~	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183	0.06183
I4 Cust~	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303	0.08303
I5 Safe~	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429	0.07429
L1 Huma~	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615	0.08615
L2 Key ~	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681	0.06681
L3 IT s~	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945	0.03945
L4 Impl~	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124	0.05124