

## Lampiran 1

## Data Mahasiswa

Jenis Kelamin :  Laki - laki  Perempuan  
 Semester :  1  2  3  4  5  6  
 Usia :

**KUISIONER PENELITIAN**

Mohon kesediaan Bapak/Ibu rekan mahasiswa/i untuk memberikan tanda silang (X) pada jawaban seperti tertera dibawah ini :

Contoh :

No.	Pernyataan	Pendapat Anda						
		STS	TS	KS	N	AS	S	SS
1.	Informasi yang ada di Scele dapat dipercaya							X

Skala persetujuannya adalah :

STS = Sangat Tidak Setuju      AS = Agak Setuju  
 TS = Tidak Setuju              S = Setuju  
 KS = Kurang Setuju          SS = Sangat Setuju  
 N = Netral

**DAFTAR PERNYATAAN**

No.	Pernyataan	Pendapat Anda						
		STS	TS	KS	N	AS	S	SS
	<b>Content</b>							
1.C1	Informasi yang ada di Scele dapat dipercaya							
2.C2	Scele selalu memperbaharui informasi mata kuliah							
3.C3	Informasi yang ada di Scele bermanfaat							
4.C4	Scele menyediakan informasi mata kuliah yang lengkap							
	<b>Organization</b>							
5.O1	Tampilan Scele bagus							
6.O2	Scele menyediakan akses secara individu							
7.O3	Scele mudah digunakan							
8.O4	Teks materi yang ditampilkan di Scele mudah dibaca							

No.	Pernyataan	Pendapat Anda						
		STS	TS	KS	N	AS	S	SS
9.O5	Saya dapat mengakses Scele dengan cepat							
	<b>Technology</b>							
10.T1	Menggunakan Scele secara teknis jarang ada masalah							
11.T2	Scele menggunakan teknologi mutakhir							
	<b>Learning Community</b>							
12.LC1	Scele memudahkan saya untuk mendiskusikan suatu masalah / pertanyaan dengan mahasiswa lain							
13.LC2	Scele memudahkan saya untuk mengakses informasi / materi yang dipublikasikan							
14.LC3	Scele memudahkan saya untuk mendiskusikan suatu masalah / pertanyaan kepada dosen saya							
15.LC4	Scele memudahkan saya untuk membagi pengetahuan yang saya ketahui dan pelajari kepada komunitas mahasiswa							
	<b>Importance</b>							
16.I1	Saya membutuhkan Scele untuk setiap mata kuliah							
17.I2	Scele itu penting untuk menunjang setiap mata kuliah							
18.I3	Scele itu relevan untuk mata kuliah MTI yang saya ambil							
	<b>User Satisfaction of Scele</b>							
19.USS1	Secara kualitas saya merasa puas dengan Scele							
20.USS2	Scele memenuhi harapan kebutuhan saya							
21.USS3	Menggunakan Scele itu menyenangkan							

## Lampiran 2

**MATRIKS KOVARIANS**

## Covariance Matrix

	Y1	Y2	Y3	X1	X2	X3
Y1	1.13					
Y2	1.00	1.25				
Y3	0.70	0.81	1.24			
X1	0.31	0.35	0.41	0.95		
X2	0.80	0.75	0.51	0.31	2.15	
X3	0.49	0.52	0.50	0.48	0.50	0.83
X4	0.70	0.71	0.46	0.43	1.49	0.43
X5	0.74	0.73	0.90	0.55	0.53	0.43
X6	0.43	0.46	0.41	0.35	0.14	0.29
X7	0.45	0.54	0.59	0.34	0.23	0.38
X8	0.57	0.50	0.41	0.32	0.46	0.35
X9	0.69	0.77	0.62	0.20	0.39	0.24
X10	0.66	0.74	0.84	0.44	0.67	0.43
X11	0.74	0.79	0.81	0.50	0.57	0.47
X12	0.47	0.57	0.53	0.12	0.27	0.37
X13	0.52	0.56	0.41	0.31	0.34	0.43
X14	0.59	0.66	0.50	0.13	0.40	0.32
X15	0.41	0.58	0.43	0.20	0.30	0.33
X16	0.30	0.35	0.38	0.25	0.24	0.42
X17	0.25	0.28	0.29	0.23	0.18	0.29
X18	0.24	0.35	0.28	0.20	0.12	0.30

## Covariance Matrix

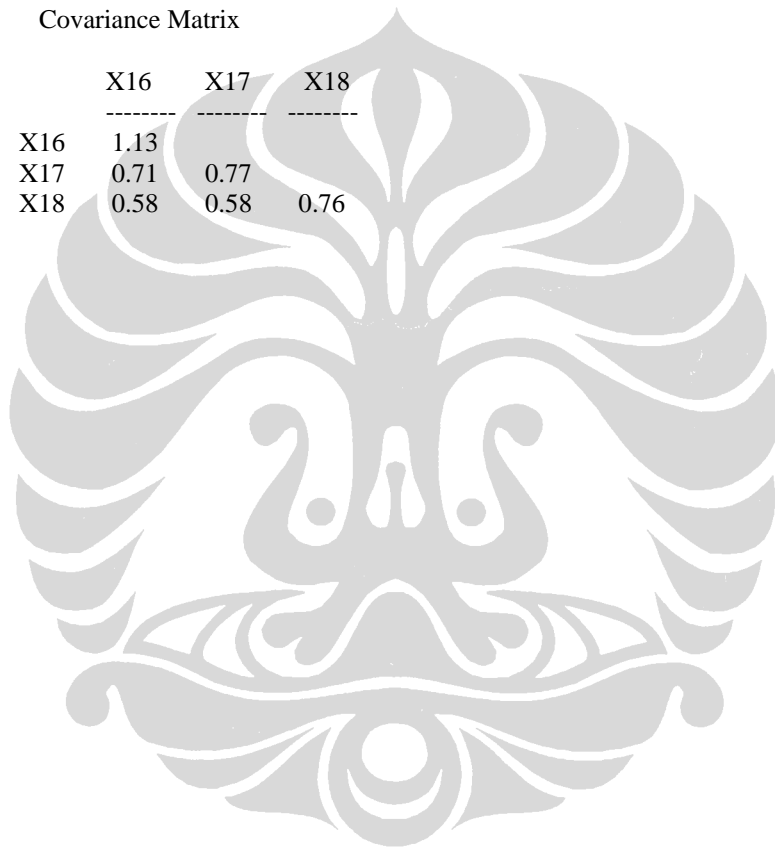
	X4	X5	X6	X7	X8	X9
X4	2.26					
X5	0.82	2.09				
X6	0.23	0.67	1.53			
X7	0.43	1.01	0.74	1.56		
X8	0.61	0.71	0.47	0.91	1.04	
X9	0.37	0.92	0.45	0.58	0.49	2.00
X10	0.67	0.62	0.33	0.33	0.30	1.03
X11	0.65	1.01	0.56	0.79	0.71	0.81
X12	0.30	0.50	0.42	0.52	0.41	0.46
X13	0.32	0.35	0.42	0.55	0.56	0.34
X14	0.37	0.48	0.20	0.46	0.41	0.49
X15	0.43	0.49	0.40	0.54	0.35	0.28
X16	0.23	0.24	0.27	0.26	0.19	0.08
X17	0.28	0.20	0.23	0.19	0.16	0.02
X18	0.15	0.07	0.32	0.31	0.22	0.14

## Covariance Matrix

	X10	X11	X12	X13	X14	X15
X10	1.74					
X11	0.91	1.70				
X12	0.44	0.57	1.27			
X13	0.38	0.59	0.58	1.06		
X14	0.53	0.71	0.67	0.69	1.23	
X15	0.36	0.52	0.72	0.56	0.81	1.14
X16	0.24	0.43	0.41	0.42	0.50	0.50
X17	0.12	0.27	0.34	0.29	0.28	0.39
X18	0.20	0.23	0.36	0.32	0.23	0.38

## Covariance Matrix

	X16	X17	X18
X16	1.13		
X17	0.71	0.77	
X18	0.58	0.58	0.76



## Lampiran 3

**SPESIFIKASI PARAMETER**

## Parameter Specifications

## LAMBDA-Y

USS

-----

Y1	0
Y2	1
Y3	2

## LAMBDA-X

	C	O	T	LC	I
	-----				
X1	3	0	0	0	0
X2	4	0	0	0	0
X3	5	0	0	0	0
X4	6	0	0	0	0
X5	0	7	0	0	0
X6	0	8	0	0	0
X7	0	9	0	0	0
X8	0	10	0	0	0
X9	0	11	0	0	0
X10	0	0	12	0	0
X11	0	0	13	0	0
X12	0	0	0	14	0
X13	0	0	0	15	0
X14	0	0	0	16	0
X15	0	0	0	17	0
X16	0	0	0	0	18
X17	0	0	0	0	19
X18	0	0	0	0	20

## GAMMA

	C	O	T	LC	I
	-----				
USS	21	22	23	24	25

## PHI

	C	O	T	LC	I
	-----				
C	0				
O	26	0			
T	27	28	0		
LC	29	30	31	0	
I	32	33	34	35	0

## PSI

USS

-----

36

## THETA-EPS

Y1	Y2	Y3
37	38	39

## THETA-DELTA

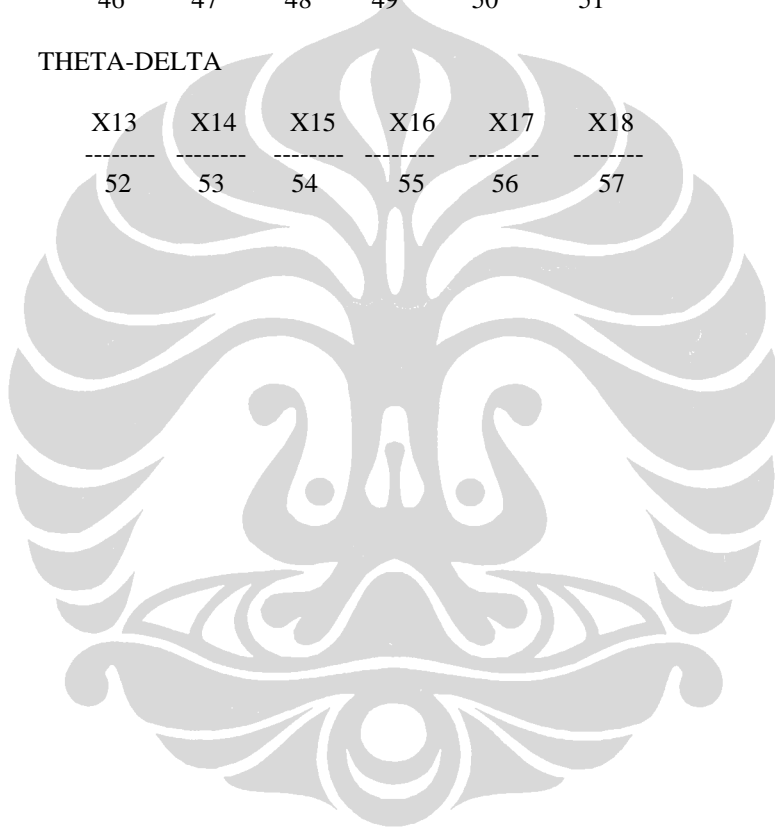
X1	X2	X3	X4	X5	X6
40	41	42	43	44	45

## THETA-DELTA

X7	X8	X9	X10	X11	X12
46	47	48	49	50	51

## THETA-DELTA

X13	X14	X15	X16	X17	X18
52	53	54	55	56	57



## Lampiran 4

**INPUT DALAM BAHASA SIMPLIS**

The following lines were read from file C:\tesis\progsim1.Spl:

Observed Variables X1 X2 X3 X4 X5 X6 X7 X8 X9 X10 X11 X12 X13 X14 X15 X16 X17 X18  
Y1 Y2 Y3  
Raw Data from file 'c:\tesis\data.psf'  
Sample size = 126  
Latent Variables C O T LC I USS

Relationships:

USS = C  
USS = O  
USS = T  
USS = LC  
USS = I

X1 - X4 = C  
X5 - X9 = O  
X10 - X11 = T  
X12 - X15 = LC  
X16 - X18 = I  
Y1 - Y3 = USS

LISREL OUPUT  
Path Diagram  
End of Problem

## Lampiran 5

**OUTPUT LISREL**

DATE: 7/ 1/2008

TIME: 21:33

L I S R E L 8.54

BY

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## LISREL Estimates (Maximum Likelihood)

## Measurement Equations

Y1 = 0.95\*USS, Errorvar.= 0.23 , R<sup>2</sup> = 0.80  
 (0.045)  
 5.08

Y2 = 1.04\*USS, Errorvar.= 0.17 , R<sup>2</sup> = 0.87  
 (0.069) (0.046)  
 15.06 3.61

Y3 = 0.78\*USS, Errorvar.= 0.62 , R<sup>2</sup> = 0.50  
 (0.083) (0.086)  
 9.41 7.30

X1 = 0.54\*C, Errorvar.= 0.65 , R<sup>2</sup> = 0.31  
 (0.089) (0.093)  
 6.13 7.07

X2 = 0.94\*C, Errorvar.= 1.26 , R<sup>2</sup> = 0.41  
 (0.13) (0.19)  
 7.28 6.58

X3 = 0.63\*C, Errorvar.= 0.43 , R<sup>2</sup> = 0.48  
 (0.079) (0.070)  
 7.99 6.14

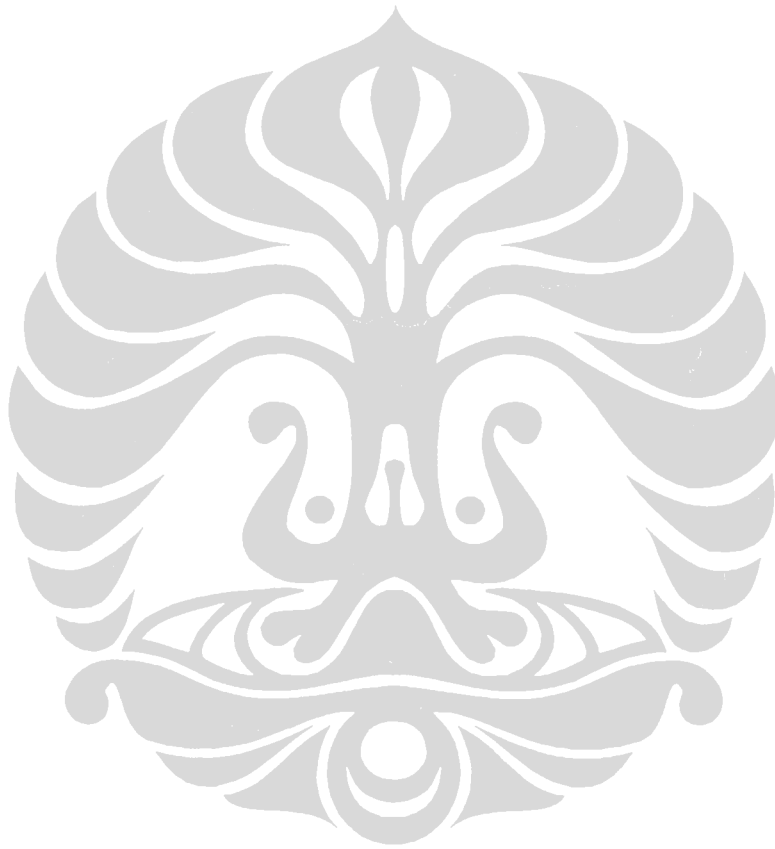


X4 = 0.96*C,	Errorvar.= 1.33	, R <sup>2</sup> = 0.41
(0.13)	(0.20)	
7.25	6.59	
X5 = 1.01*O,	Errorvar.= 1.08	, R <sup>2</sup> = 0.49
(0.12)	(0.16)	
8.40	6.72	
X6 = 0.66*O,	Errorvar.= 1.10	, R <sup>2</sup> = 0.28
(0.11)	(0.15)	
6.01	7.42	
X7 = 1.01*O,	Errorvar.= 0.54	, R <sup>2</sup> = 0.65
(0.098)	(0.098)	
10.31	5.50	
X8 = 0.81*O,	Errorvar.= 0.38	, R <sup>2</sup> = 0.63
(0.080)	(0.067)	
10.06	5.72	
X9 = 0.73*O,	Errorvar.= 1.47	, R <sup>2</sup> = 0.26
(0.13)	(0.20)	
5.77	7.46	
X10 = 0.84*T,	Errorvar.= 1.04	, R <sup>2</sup> = 0.40
(0.12)	(0.15)	
7.26	6.79	
X11 = 1.09*T,	Errorvar.= 0.52	, R <sup>2</sup> = 0.70
(0.11)	(0.15)	
9.70	3.51	
X12 = 0.80*LC,	Errorvar.= 0.63	, R <sup>2</sup> = 0.50
(0.092)	(0.093)	
8.68	6.75	
X13 = 0.73*LC,	Errorvar.= 0.52	, R <sup>2</sup> = 0.51
(0.084)	(0.077)	
8.73	6.73	
X14 = 0.91*LC,	Errorvar.= 0.40	, R <sup>2</sup> = 0.67
(0.085)	(0.072)	
10.63	5.54	
X15 = 0.85*LC,	Errorvar.= 0.42	, R <sup>2</sup> = 0.63
(0.084)	(0.071)	
10.16	5.93	
X16 = 0.87*I,	Errorvar.= 0.37	, R <sup>2</sup> = 0.67
(0.081)	(0.063)	
10.71	5.98	
X17 = 0.82*I,	Errorvar.= 0.095	, R <sup>2</sup> = 0.88
(0.063)	(0.037)	
13.11	2.54	
X18 = 0.70*I,	Errorvar.= 0.28	, R <sup>2</sup> = 0.63
(0.067)	(0.044)	
10.33	6.32	

## Structural Equations

$$\text{USS} = 0.44*\text{C} + 0.033*\text{O} + 0.25*\text{T} + 0.29*\text{LC} - 0.062*\text{I}, \text{ Errorvar.} = 0.28, \text{ R}^2 = 0.72$$

(0.14)	(0.13)	(0.19)	(0.12)	(0.089)	(0.064)
3.22	0.25	1.36	2.44	- 0.70	4.28



## Lampiran 6

**UKURAN MODEL FIT SEBELUM MODIFIKASI**

## Goodness of Fit Statistics

Degrees of Freedom = 174

Minimum Fit Function Chi-Square = 407.64 (P = 0.0)

Normal Theory Weighted Least Squares Chi-Square = 401.93 (P = 0.0)

Estimated Non-centrality Parameter (NCP) = 227.93

90 Percent Confidence Interval for NCP = (173.37 ; 290.21)

Minimum Fit Function Value = 3.26

Population Discrepancy Function Value (F0) = 1.82

90 Percent Confidence Interval for F0 = (1.39 ; 2.32)

Root Mean Square Error of Approximation (RMSEA) = 0.10

90 Percent Confidence Interval for RMSEA = (0.089 ; 0.12)

P-Value for Test of Close Fit (RMSEA &lt; 0.05) = 0.00

Expected Cross-Validation Index (ECVI) = 4.13

90 Percent Confidence Interval for ECVI = (3.69 ; 4.63)

ECVI for Saturated Model = 3.70

ECVI for Independence Model = 30.10

Chi-Square for Independence Model with 210 Degrees of Freedom = 3720.96

Independence AIC = 3762.96

Model AIC = 515.93

Saturated AIC = 462.00

Independence CAIC = 3843.52

Model CAIC = 734.60

Saturated CAIC = 1348.18

Normed Fit Index (NFI) = 0.89

Non-Normed Fit Index (NNFI) = 0.92

Parsimony Normed Fit Index (PNFI) = 0.74

Comparative Fit Index (CFI) = 0.93

Incremental Fit Index (IFI) = 0.93

Relative Fit Index (RFI) = 0.87

Critical N (CN) = 68.56

Root Mean Square Residual (RMR) = 0.11

Standardized RMR = 0.078

Goodness of Fit Index (GFI) = 0.77

Adjusted Goodness of Fit Index (AGFI) = 0.69

Parsimony Goodness of Fit Index (PGFI) = 0.58

## Lampiran 7

**OUTPUT LISREL MODIFIKASI**

Number of Iterations = 24

LISREL Estimates (Maximum Likelihood)

## Measurement Equations

$$Y1 = 0.95*USS, \text{ Errorvar.} = 0.23, R^2 = 0.79$$

(0.046)  
5.09

$$Y2 = 1.04*USS, \text{ Errorvar.} = 0.17, R^2 = 0.87$$

(0.070) (0.047)  
14.88 3.56

$$Y3 = 0.79*USS, \text{ Errorvar.} = 0.62, R^2 = 0.50$$

(0.083) (0.085)  
9.48 7.27

$$X1 = 0.61*C, \text{ Errorvar.} = 0.58, R^2 = 0.39$$

(0.087) (0.087)  
6.95 6.66

$$X2 = 0.73*C, \text{ Errorvar.} = 1.62, R^2 = 0.25$$

(0.14) (0.22)  
5.34 7.26

$$X3 = 0.70*C, \text{ Errorvar.} = 0.34, R^2 = 0.59$$

(0.079) (0.070)  
8.89 4.81

$$X4 = 0.75*C, \text{ Errorvar.} = 1.70, R^2 = 0.25$$

(0.14) (0.23)  
5.32 7.26

$$X5 = 1.08*O, \text{ Errorvar.} = 0.92, R^2 = 0.56$$

(0.12) (0.16)  
9.00 5.79

$$X6 = 0.66*O, \text{ Errorvar.} = 1.10, R^2 = 0.28$$

(0.11) (0.15)  
5.86 7.28

$$X7 = 0.89*O, \text{ Errorvar.} = 0.76, R^2 = 0.51$$

(0.11) (0.13)  
8.36 6.08

$$X8 = 0.71*O, \text{ Errorvar.} = 0.53, R^2 = 0.49$$

(0.088) (0.086)  
8.10 6.21

$$X9 = 0.86 * O, \text{ Errorvar.} = 1.33, R^2 = 0.35$$

(0.13)	(0.19)
6.78	7.03

$$X10 = 0.83 * T, \text{ Errorvar.} = 1.06, R^2 = 0.39$$

(0.11)	(0.15)
7.26	6.86

$$X11 = 1.08 * T, \text{ Errorvar.} = 0.53, R^2 = 0.69$$

(0.11)	(0.14)
9.78	3.80

$$X12 = 0.80 * LC, \text{ Errorvar.} = 0.63, R^2 = 0.50$$

(0.092)	(0.093)
8.65	6.76

$$X13 = 0.73 * LC, \text{ Errorvar.} = 0.53, R^2 = 0.50$$

(0.084)	(0.078)
8.63	6.77

$$X14 = 0.91 * LC, \text{ Errorvar.} = 0.39, R^2 = 0.68$$

(0.085)	(0.072)
10.70	5.46

$$X15 = 0.85 * LC, \text{ Errorvar.} = 0.42, R^2 = 0.64$$

(0.084)	(0.071)
10.20	5.89

$$X16 = 0.87 * I, \text{ Errorvar.} = 0.37, R^2 = 0.68$$

(0.081)	(0.062)
10.80	5.92

$$X17 = 0.81 * I, \text{ Errorvar.} = 0.10, R^2 = 0.87$$

(0.063)	(0.037)
13.00	2.80

$$X18 = 0.70 * I, \text{ Errorvar.} = 0.28, R^2 = 0.64$$

(0.067)	(0.044)
10.38	6.29

$$\text{Error Covariance for X4 and X2} = 0.95$$

(0.19)
5.01

$$\text{Error Covariance for X8 and X7} = 0.28$$

(0.084)
3.28

$$\text{Error Covariance for X10 and X9} = 0.53$$

(0.13)
4.10

#### Structural Equations

$$USS = 0.41 * C + 0.19 * O + 0.13 * T + 0.29 * LC - 0.083 * I, \text{ Errorvar.} = 0.30, R^2 = 0.70$$

(0.17)	(0.16)	(0.23)	(0.12)	(0.10)	(0.067)
2.40	1.22	0.59	2.38	-0.82	4.43

## Lampiran 8

**UKURAN MODEL FIT SESUDAH MODIFIKASI**

## Goodness of Fit Statistics

Degrees of Freedom = 171

Minimum Fit Function Chi-Square = 327.36 (P = 0.00)

Normal Theory Weighted Least Squares Chi-Square = 316.17 (P = 0.00)

Estimated Non-centrality Parameter (NCP) = 145.17

90 Percent Confidence Interval for NCP = (99.07 ; 199.09)

Minimum Fit Function Value = 2.62

Population Discrepancy Function Value (F0) = 1.16

90 Percent Confidence Interval for F0 = (0.79 ; 1.59)

Root Mean Square Error of Approximation (RMSEA) = 0.082

90 Percent Confidence Interval for RMSEA = (0.068 ; 0.097)

P-Value for Test of Close Fit (RMSEA &lt; 0.05) = 0.00023

Expected Cross-Validation Index (ECVI) = 3.49

90 Percent Confidence Interval for ECVI = (3.12 ; 3.92)

ECVI for Saturated Model = 3.70

ECVI for Independence Model = 30.10

Chi-Square for Independence Model with 210 Degrees of Freedom = 3720.96

Independence AIC = 3762.96

Model AIC = 436.17

Saturated AIC = 462.00

Independence CAIC = 3843.52

Model CAIC = 666.34

Saturated CAIC = 1348.18

Normed Fit Index (NFI) = 0.91

Non-Normed Fit Index (NNFI) = 0.95

Parsimony Normed Fit Index (PNFI) = 0.74

Comparative Fit Index (CFI) = 0.96

Incremental Fit Index (IFI) = 0.96

Relative Fit Index (RFI) = 0.89

Critical N (CN) = 83.84

Root Mean Square Residual (RMR) = 0.095

Standardized RMR = 0.069

Goodness of Fit Index (GFI) = 0.81

Adjusted Goodness of Fit Index (AGFI) = 0.74

Parsimony Goodness of Fit Index (PGFI) = 0.60