

ภาคผนวก ง

- ผลการวิเคราะห์ข้อมูลโดยโปรแกรม ริลเลล

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

DATE: 1/ 5/2016
TIME: 2:56

L I S R E L 8.72

BY

Karl G. Joreskog & Dag Sörbom

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The following lines were read from file C:\Users\Asus\Desktop\PP\PP.LPJ:

TI PP
!DA NI=21 NO=464 MA=CM
SY='C:\Users\Asus\Desktop\PP\PP.dsf' NG=1
SE
17 18 19 20 21 /
MO NX=5 NK=1 TD=SY
LK
PP
FR LX(1,1) LX(2,1) LX(3,1) LX(4,1) LX(5,1)
FR TD 5 1 TD 2 1 TD 4 3 TD 4 3 TD 5 4
PD
OU AM RS EF FS SS SC LX=PP.lxs PH=PP.phs TD=PP.tds
TI PP
Number of Input Variables 21
Number of Y - Variables 0
Number of X - Variables 5
Number of ETA - Variables 0
Number of KSI - Variables 1
Number of Observations 464

TI PP

Covariance Matrix

	P10	P11	P12	P13	P14
P10	0.15				
P11	0.10	0.14			
P12	0.52	0.49	3.87		
P13	0.10	0.09	0.51	0.14	
P14	0.10	0.10	0.54	0.11	0.16

TI PP

Parameter Specifications

LAMBDA-X

	PP
P10	1
P11	2
P12	3
P13	4
P14	5

THETA-DELTA

	P10	P11	P12	P13	P14
P10	6				
P11	7	8			
P12	0	0	9		
P13	10	0	11	12	
P14	13	0	0	14	15

TI PP

Number of Iterations = 5

LISREL Estimates (Maximum Likelihood)

LAMBDA-X

	PP
P10	0.32 (0.02) 18.04
P11	0.30 (0.02) 19.21
P12	1.64 (0.08) 20.18
P13	0.32 (0.02) 18.62
P14	0.33 (0.02) 19.49

PHI

PP
1.00

THETA-DELTA

	P10	P11	P12	P13	P14
P10	0.05 (0.01) 7.18				

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P11	0.00 (0.00) 1.02	0.05 (0.00) 10.18				
P12	--	--		1.19 (0.13) 8.82		
P13	0.00 (0.00) -0.18	--		-0.01 (0.02) -0.43	0.04 (0.01) 6.08	
P14	-0.01 (0.00) -1.75	--	--	--	0.00 (0.00) 0.03	0.06 (0.01) 9.80

Squared Multiple Correlations for X - Variables

P10	P11	P12	P13	P14
0.67	0.64	0.69	0.71	0.66

LX was written to file C:\Users\Asus\Desktop\PP\PP.lxs

PH was written to file C:\Users\Asus\Desktop\PP\PP.phs

TD was written to file C:\Users\Asus\Desktop\PP\PP.tds

Goodness of Fit Statistics

Degrees of Freedom = 0
 Minimum / Fit Function Chi-Square = 0.0 (P = 1.00)
 Normal Theory Weighted Least Squares Chi-Square = 0.00 (P = 1.00)

The Model is Saturated, the Fit is Perfect !

TI PP

Modification Indices and Expected Change

No Non-Zero Modification Indices for LAMBDA-X

No Non-Zero Modification Indices for PHI

No Non-Zero Modification Indices for THETA-DELTA

TI PP

Factor Scores Regressions

KSI

	P10	P11	P12	P13	P14
PP	0.59	0.44	0.12	0.68	0.56

TI PP

Standardized Solution

LAMBDA-X

PP

```

-----
P10      0.32
P11      0.30
P12      1.64
P13      0.32
P14      0.33

```

PHI

PP

```

-----
1.00

```

TI PP

Completely Standardized Solution

LAMBDA-X

PP

```

-----
P10      0.82
P11      0.80
P12      0.83
P13      0.84
P14      0.81

```

PHI

PP

```

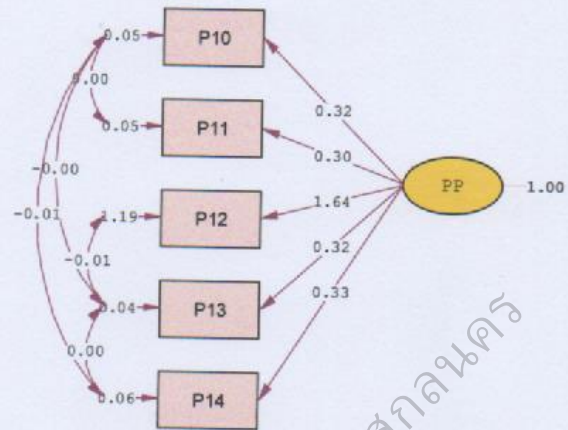
-----
1.00

```

THETA-DELTA

	P10	P11	P12	P13	P14
P10	0.33				
P11	0.03	0.36			
P12	-	-	0.31		
P13	-0.01	-	-0.01	0.29	
P14	-0.05	-	-	0.00	0.34

Time used: 0.047 Seconds



Chi-Square=0.00, df=0, P-value=1.00000, RMSEA=0.000

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DATE: 1/ 5/2016
TIME: 3:25

L I S R E L 8.72

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The following lines were read from file C:\Users\Asus\Desktop\TA\TA.LPJ:

```
TI TA
!DA NI=21 NO=464 MA=CM
SY='C:\Users\Asus\Desktop\TA\TA.dsf' NG=1
MO NX=4 NK=1 TD=SY
LK
TA
FR LX(1,1) LX(2,1) LX(3,1) LX(4,1)
FR TD 4 3 TD 4 1
PD
OU AM RS EF FS SS SC LX=TA.lxs PH=TA.phs TD=TA.tds
TI TA
Number of Input Variables 21
Number of Y - Variables 0
Number of X - Variables 4
Number of ETA - Variables 0
Number of KSI - Variables 1
Number of Observations 464
```

TI TA

Covariance Matrix

	T1	T2	T3	T4
T1	0.11			
T2	0.09	0.12		
T3	0.09	0.10	0.13	
T4	0.08	0.09	0.09	0.13

TI TA

Parameter Specifications

LAMBDA-X

	TA
T1	1

T2 2
 T3 3
 T4 4

THETA-DELTA

	T1	T2	T3	T4
T1	5			
T2	0	6		
T3	0	0	7	
T4	8	0	9	10

TI TA

Number of Iterations = 5

LISREL Estimates (Maximum Likelihood)

LAMBDA-X

	TA
T1	0.30 (0.01) 25.00
T2	0.32 (0.01) 24.30
T3	0.31 (0.01) 23.29
T4	0.28 (0.02) 18.30

PHI

	TA
	1.00

THETA-DELTA

	T1	T2	T3	T4
T1	0.02 (0.00) 8.29			
T2	--	0.02 (0.00) 9.47		
T3	--	--	0.03 (0.00) 10.90	
T4	0.00	--	0.01	0.05

(0.00) (0.00) (0.00)
 -0.77 2.29 11.22

Squared Multiple Correlations for X - Variables

T1	T2	T3	T4
-----	-----	-----	-----
0.84	0.81	0.76	0.59

LX was written to file C:\Users\Asus\Desktop\TA\TA.lxs

PH was written to file C:\Users\Asus\Desktop\TA\TA.phs

TD was written to file C:\Users\Asus\Desktop\TA\TA.tds

Goodness of Fit Statistics

Degrees of Freedom = 0
 Minimum Fit Function Chi-Square = 0.00 (P = 1.00)
 Normal Theory Weighted Least Squares Chi-Square = 0.00 (P = 1.00)

The Model is Saturated, the Fit is Perfect !

TI TA

Modification Indices and Expected Change

No Non-Zero Modification Indices for LAMBDA-X

No Non-Zero Modification Indices for PHI

No Non-Zero Modification Indices for THETA-DELTA

TI TA

Factor Scores Regressions

KSI	T1	T2	T3	T4
-----	-----	-----	-----	-----
TA	1.20	0.90	0.64	0.32

TI TA

Standardized Solution

LAMBDA-X	TA
-----	-----
T1	0.30
T2	0.32
T3	0.31
T4	0.28

PHI

TA

1.00

TI TA

Completely Standardized Solution

LAMBDA-X

	TA
T1	0.91
T2	0.90
T3	0.87
T4	0.77

PHI

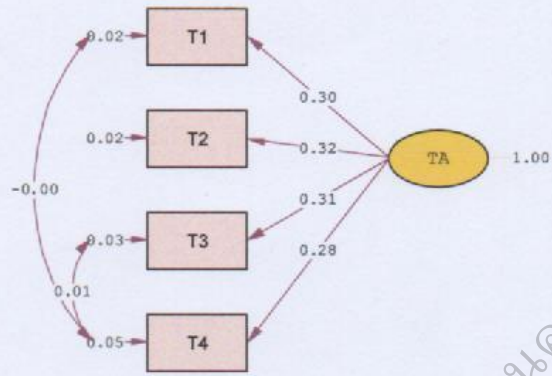
	TA
	1.00

THETA-DELTA

	T1	T2	T3	T4
T1	0.16			
T2	-	0.19		
T3	-	-	0.27	
T4	-0.02	-	0.05	0.41

Time used: 0.031 Seconds

บัณฑิตวิทยาลัย มหาวิทยาลัยศรีนครินทร



Chi-Square=0.00, df=0, P-value=1.00000, RMSEA=0.000

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

DATE: 1/ 5/2016
TIME: 3:04

L I S R E L 8.72

BY

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The following lines were read from file C:\Users\Asus\Desktop\AA\AA.LPJ:

```
TI AA
1DA NI=21 NO=464 MA=CM
SY='C:\Users\Asus\Desktop\AA\AA.dsf' NG=1
SE
5 6 7 /
MO NX=3 NK=1 TD=SY
LK
AA
FR LX(1,1) LX(2,1) LX(3,1)
PD
OU AM RS EF FS SS SC LX=AA.lxs PH=AA.phs TD=AA.tds

TI AA
Number of Input Variables 21
Number of Y - Variables 0
Number of X - Variables 3
Number of ETA - Variables 0
Number of KSI - Variables 1
Number of Observations 464
```

TI AA

Covariance Matrix

	A5	A6	A7
A5	0.10		
A6	0.08	0.10	
A7	0.08	0.07	0.12

TI AA

Parameter Specifications

LAMBDA-X

	AA
A5	1

A6 2
A7 3

THETA-DELTA

A5	A6	A7
-----	-----	-----
4	5	6

TI AA

Number of Iterations = 0

LISREL Estimates (Maximum Likelihood)

LAMBDA-X

	AA
A5	0.29 (0.01) 23.78
A6	0.27 (0.01) 21.69
A7	0.28 (0.01) 20.16

PHI

AA

1.00

THETA-DELTA

A5	A6	A7
-----	-----	-----
0.02	0.03	0.04
(0.00)	(0.00)	(0.00)
6.61	9.85	11.66

Squared Multiple Correlations for X - Variables

A5	A6	A7
-----	-----	-----
0.82	0.72	0.65

LX was written to file C:\Users\Asus\Desktop\AA\AA.lxs

PH was written to file C:\Users\Asus\Desktop\AA\AA.phs

TD was written to file C:\Users\Asus\Desktop\AA\AA.tds

Goodness of Fit Statistics

Degrees of Freedom = 0

Minimum Fit Function Chi-Square = 0.0 (P = 1.00)
 Normal Theory Weighted Least Squares Chi-Square = 0.00 (P = 1.00)

The Model is Saturated, the Fit is Perfect !

TI AA

Modification Indices and Expected Change

No Non-Zero Modification Indices for LAMBDA-X

No Non-Zero Modification Indices for PHI

No Non-Zero Modification Indices for THETA-DELTA

TI AA

Factor Scores Regressions

KSI

	A5	A6	A7
AA	1.57	0.96	0.67

TI AA

Standardized Solution

LAMBDA-X

	AA
A5	0.29
A6	0.27
A7	0.28

PHI

	AA
	1.00

TI AA

Completely Standardized Solution

LAMBDA-X

	AA
A5	0.91
A6	0.85
A7	0.81

PHI

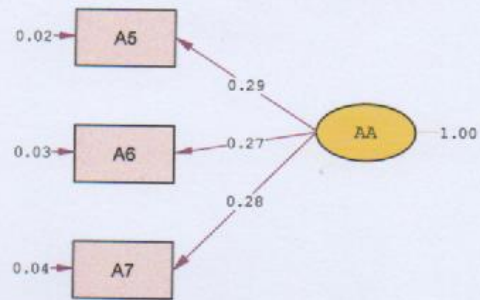
	AA
	1.00

THETA-DELTA

	A5	A6	A7

0.18 0.28 0.35
Time used: 0.016 Seconds

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Chi-Square=0.00, df=0, P-value=1.00000, RMSEA=0.000

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

DATE: 1/ 5/2016
TIME: 3:08

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The following lines were read from file C:\Users\Asus\Desktop\BB\BB.LPJ:

TI BB
IDA NI=21 NO=464 MA=CM
SY='C:\Users\Asus\Desktop\BB\BB.dsf' NG=1
SE
8 9 10 11 12 /
MO NX=5 NK=1 TD=SY
LK
BB
FR LX(1,1) LX(2,1) LX(3,1) LX(4,0) LX(5,1)
FR TD 4 3 TD 5 2 TD 4 2
PD
OU AM RS EF FS SS SC LX=BB.lxs PH=BB.phs TD=BB.tds
TI BB
Number of Input Variables 21
Number of Y - Variables 0
Number of X - Variables 5
Number of ETA - Variables 0
Number of KSI - Variables 1
Number of Observations 464

TI BB

Covariance Matrix

	B1	B2	B3	B4	B5
B1	0.20				
B2	0.12	0.21			
B3	0.12	0.12	0.27		
B4	0.14	0.13	0.15	0.25	
B5	0.14	0.12	0.13	0.16	0.25

TI BB

Parameter Specifications

LAMBDA-X

	BB
B1	1
B2	2
B3	3
B4	4
B5	5

THETA-DELTA

	B1	B2	B3	B4	B5
B1	6				
B2	0	7			
B3	0	0	8		
B4	0	9	10	11	
B5	0	12	0	0	13

TI BB

Number of Iterations = 7

LISREL Estimates (Maximum Likelihood)

LAMBDA-X

	BB
B1	0.35 (0.02) 18.48
B2	0.35 (0.02) 16.47
B3	0.33 (0.02) 14.23
B4	0.40 (0.02) 18.58
B5	0.41 (0.02) 19.72

PHI

BB
1.00

THETA-DELTA

	B1	B2	B3	B4	B5
B1	0.08 (0.01) 11.61				

B2	--	0.09 (0.01) 8.66			
B3	--	--	0.16 (0.01) 13.43		
B4	--	-0.01 (0.01) -1.77	0.02 (0.01) 2.78	0.09 (0.01) 10.01	
B5	--	-0.02 (0.01) -3.31	--	--	0.08 (0.01) 8.74

Squared Multiple Correlations for X - Variables

B1	B2	B3	B4	B5
0.59	0.59	0.40	0.62	0.68

LX was written to file C:\Users\Asus\Desktop\BB\BB.lxs

PH was written to file C:\Users\Asus\Desktop\BB\BB.phs

TD was written to file C:\Users\Asus\Desktop\BB\BB.tds

Goodness of Fit Statistics

Degrees of Freedom = 2
 Minimum Fit Function Chi-Square = 0.76 (P = 0.68)
 Normal Theory Weighted Least Squares Chi-Square = 0.76 (P = 0.68)
 Estimated Non-centrality Parameter (NCP) = 0.0
 90 Percent Confidence Interval for NCP = (0.0 ; 4.44)

Minimum Fit Function Value = 0.0016
 Population Discrepancy Function Value (FO) = 0.0
 90 Percent Confidence Interval for FO = (0.0 ; 0.0096)
 Root Mean Square Error of Approximation (RMSEA) = 0.0
 90 Percent Confidence Interval for RMSEA = (0.0 ; 0.069)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 0.88

Expected Cross-Validation Index (ECVI) = 0.060
 90 Percent Confidence Interval for ECVI = (0.060 ; 0.070)
 ECVI for Saturated Model = 0.065
 ECVI for Independence Model = 3.25

Chi-Square for Independence Model with 10 Degrees of Freedom = 1493.31
 Independence AIC = 1503.31
 Model AIC = 26.76
 Saturated AIC = 30.00
 Independence CAIC = 1529.01
 Model CAIC = 93.58
 Saturated CAIC = 107.10

Normed Fit Index (NFI) = 1.00
 Non-Normed Fit Index (NNFI) = 1.00
 Parsimony Normed Fit Index (PNFI) = 0.20
 Comparative Fit Index (CFI) = 1.00
 Incremental Fit Index (IFI) = 1.00
 Relative Fit Index (RFI) = 1.00

Critical N (CN) = 5583.70

Root Mean Square Residual (RMR) = 0.0013
 Standardized RMR = 0.0054
 Goodness of Fit Index (GFI) = 1.00
 Adjusted Goodness of Fit Index (AGFI) = 1.00
 Parsimony Goodness of Fit Index (PGFI) = 0.13

TI BB

Fitted Covariance Matrix

	B1	B2	B3	B4	B5
B1	0.20				
B2	0.12	0.21			
B3	0.12	0.12	0.27		
B4	0.14	0.13	0.15	0.25	
B5	0.14	0.12	0.14	0.16	0.25

Fitted Residuals

	B1	B2	B3	B4	B5
B1	0.00				
B2	0.00	0.00			
B3	0.00	0.00	0.00		
B4	0.00	0.00	0.00	0.00	
B5	0.00	0.00	0.00	0.00	0.00

Summary Statistics for Fitted Residuals

Smallest Fitted Residual = 0.00
 Median Fitted Residual = 0.00
 Largest Fitted Residual = 0.00

Stemleaf Plot

- 2|9
 - 0|644100000
 0|1244
 2|4

Standardized Residuals

	B1	B2	B3	B4	B5
B1	--				
B2	-0.78	0.02			
B3	0.02	0.87	--		
B4	0.10	0.60	-0.82	-0.82	
B5	0.82	-0.02	-0.78	-0.27	--

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -0.82
 Median Standardized Residual = 0.00
 Largest Standardized Residual = 0.87

Stemleaf Plot

- 0|8888
 - 0|3000000
 0|1
 0|689

TI BB

Qplot of Standardized Residuals



TI BB

Modification Indices and Expected Change

No Non-Zero Modification Indices for LAMBDA-X

No Non-Zero Modification Indices for PHI

Modification Indices for THETA-DELTA

	B1	B2	B3	B4	B5
B1	- -				
B2	0.68	- -			

B3	0.00	0.68	--	--	--
B4	0.00	--	--	--	--
B5	0.68	--	0.40	0.00	--

Expected Change for THETA-DELTA

	B1	B2	B3	B4	B5
B1	--	--	--	--	--
B2	-0.01	--	--	--	--
B3	0.00	0.01	--	--	--
B4	0.00	--	--	--	--
B5	0.01	--	-0.01	0.00	--

Completely Standardized Expected Change for THETA-DELTA

	B1	B2	B3	B4	B5
B1	--	--	--	--	--
B2	-0.04	--	--	--	--
B3	0.00	0.03	--	--	--
B4	0.00	--	--	--	--
B5	0.04	--	-0.02	0.00	--

Maximum Modification Index is 0.68 for Element (3, 2) of THETA-DELTA

TI BB

Factor Scores Regressions

KSI

	B1	B2	B3	B4	B5
BB	0.41	0.67	0.14	0.47	0.72

TI BB

Standardized Solution

LAMBDA-X

	BB
B1	0.35
B2	0.35
B3	0.33
B4	0.40
B5	0.41

PHI

	BB
	1.00

TI BB

Completely Standardized Solution

LAMBDA-X

	BB
B1	0.77
B2	0.77

B3 0.64
 B4 0.79
 B5 0.83

PHI

BB

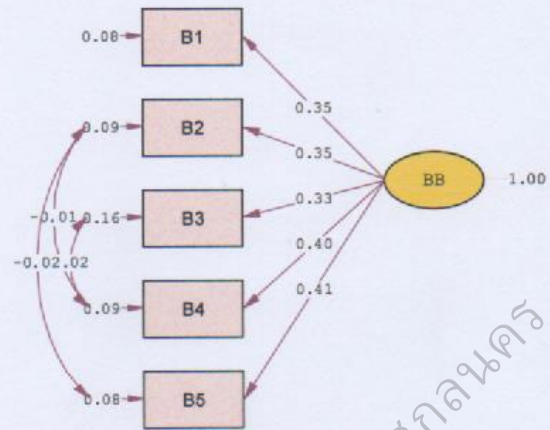
 1.00

THETA-DELTA

	B1	B2	B3	B4	B5
B1	0.41				
B2	--	0.41			
B3	--	--	0.60		
B4	--	-0.05	0.08	0.38	
B5	--	-0.11	--	--	0.32

Time used: 0.031 Seconds

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Chi-Square=0.76, df=2, P-value=0.68290, RMSEA=0.000

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

DATE: 1/ 5/2016
TIME: 3:28

L I S R E L 8.72

BY

Karl G. Joreskog & Dag Sörbom

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The following lines were read from file C:\Users\Asus\Desktop\FF\FF.LPJ:

TI FF
!DA NI=21 NO=464 MA=CM
SY='C:\Users\Asus\Desktop\FF\FF.dsf' NG=1
SE
13 14 15 16 /
MO NX=4 NK=1 TD=SY
LK
FF
FR LX(1,1) LX(2,1) LX(3,1) LX(4,1)
FR TD 4 3 TD 3 1
PD
OU AM RS EF FS SS SC LX=FF,FX PH=FF,PHS TD=FF,tds

TI FF
Number of Input Variables 21
Number of Y - Variables 0
Number of X - Variables 4
Number of ETA - Variables 0
Number of KSI - Variables 1
Number of Observations 464

TI FF

Covariance Matrix

	F6	F7	F8	F9
F6	0.22			
F7	0.14	0.24		
F8	0.13	0.13	0.25	
F9	0.13	0.14	0.14	0.19

TI FF

Parameter Specifications

LAMBDA-X

FF

F6	1
F7	2
F8	3
F9	4

THETA-DELTA

	F6	F7	F8	F9
F6	5			
F7	0	6		
F8	7	0	8	
F9	0	0	9	10

TI FF

Number of Iterations = 5

LISREL Estimates (Maximum Likelihood)

LAMBDA-X

	FF
F6	0.36 (0.02) 17.87
F7	0.39 (0.02) 18.78
F8	0.34 (0.02) 13.73
F9	0.35 (0.02) 18.83

PHI

	FF
	1.00

THETA-DELTA

	F6	F7	F8	F9
F6	0.09 (0.01) 10.47			
F7	- -	0.08 (0.01) 9.19		
F8	0.01 (0.01) 0.94	- -	0.14 (0.01) 10.42	

F9 - - - - 0.02 0.07
 (0.01) (0.01)
 2.54 9.13

Squared Multiple Correlations for X - Variables

F6	F7	F8	F9
0.59	0.65	0.46	0.65

LX was written to file C:\Users\Asus\Desktop\FF\FF.lxs

PH was written to file C:\Users\Asus\Desktop\FF\FF.phs

TD was written to file C:\Users\Asus\Desktop\FF\FF.tds

Goodness of Fit Statistics

Degrees of Freedom = 0
 Minimum Fit Function Chi-Square = 0.00 (P = 1.00)
 Normal Theory Weighted Least Squares Chi-Square = 0.00 (P = 1.00)

The Model is Saturated, the Fit is Perfect !

TI FF

Modification Indices and Expected Change

No Non-Zero Modification Indices for LAMBDA-X

No Non-Zero Modification Indices for PHI

No Non-Zero Modification Indices for THETA-DELTA

TI FF

Factor Scores Regressions

KSI

	F6	F7	F8	F9
FF	0.60	0.72	0.25	0.74

TI FF

Standardized Solution

LAMBDA-X

	FF
F6	0.36
F7	0.39
F8	0.34
F9	0.35

PHI

	FF
	1.00

TI FF

Completely Standardized Solution

LAMBDA-X

	FF
F6	0.77
F7	0.80
F8	0.68
F9	0.80

PHI

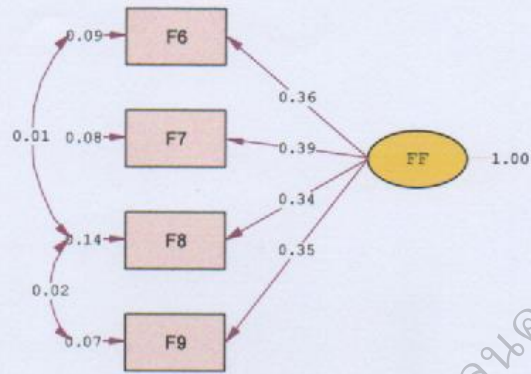
FF
1.00

THETA-DELTA

	F6	F7	F8	F9
F6	0.41			
F7	--	0.35		
F8	0.03	--	0.54	
F9	--	--	0.09	0.35

Time used: 0.031 Seconds

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุรินทร์



Chi-Square=0.00, df=0, P-value=1.00000, RMSEA=0.000

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

DATE: 1/ 5/2016
TIME: 3:31

L I S R E L 8.72

BY

Karl G. J"reskog & Dag S"rbom

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The following lines were read from file C:\Users\Asus\Desktop\D4\D4.LPJ:

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!DA NI=21 NO=464 MA=CM
SY='C:\Users\Asus\Desktop\D4\D4.dsf' NG=1
SE
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5 6 7 /
MO NX=7 NY=14 NK=2 NE=3 BE=FU GA=FI PS=SY TE=SY TD=SY
LE
BB FF PP
LK
TA AA
FR LY(1,1) LY(2,1) LY(3,1) LY(4,1) LY(5,1) LY(6,2) LY(7,2) LY(8,2) LY(9,2)
FR LY(10,3) LY(11,3) LY(12,3) LY(13,3) LY(14,3) LX(1,1) LX(2,1) LX(3,1) LX(4,1)
FR LX(5,2) LX(6,2) LX(7,2) BE(3,1) BE(3,2) GA(1,1) GA(1,2) GA(2,1) GA(2,2)
FR GA(3,1) GA(3,2) TE 1 1 TE 2 2 TE 3 3 TE 4 4 TE 5 5 TE 6 6 TE 7 7 TE 8 8
FR TE 9 9 TE 10 10 TE 11 11 TE 12 12 TE 13 13 TE 14 14 TD 1 1 TD 2 2 TD 3 3
FR TD 4 4 TD 5 5 TD 6 6 TD 7 7 TE 8 3 TE 7 5 TE 9 5 TE 6 5 TE 8 5 TD 2 1
FR TE 6 2 TE 6 3 TE 6 4 TE 9 4 TD 3 1 TE 7 4 TE 8 4 TH 5 1 TH 3 9 TE 14 1
FR TE 14 10 TE 5 2 TE 4 2 TE 4 1 TE 7 3 TE 9 3 TE 9 8 TH 2 4 TE 6 1 TE 9 1
FR TH 6 5 TH 2 3 TD 6 3 TE 14 5 TH 7 11 TD 7 3 TE 11 6 TH 6 10 TE 11 2
FR TD 4 2 TD 4 1 TD 4 3 TH 1 6 TE 3 1 TE 13 9 TE 13 6 TH 6 12 TE 1 11 TE 10 6
FR TH 1 12 TH 3 6 TD 7 5 TD 7 6 TH 2 5 TE 12 9 TH 2 2 TE 3 2 TE 11 9 TH 4 2
FR TH 2 10 TH 2 6 TE 10 1 TE 14 4 TE 11 10 TD 7 4 TE 12 4 TE 9 7 TE 8 7
FR TE 14 3 TH 6 5 TD 5 2 TH 1 5 TE 5 1 TE 2 1 TE 11 3 TE 10 3 TE 13 3 TH 5 6
FR TE 2 3 TE 11 4 TE 12 3 TH 6 6 TH 5 2 TH 3 7 TH 2 7 TH 6 11 TH 7 2 TH 6 2
FR TE 10 2 TH 1 7 TE 7 1 TE 8 1 TE 7 2 TE 8 2 TE 13 2 TH 5 8 TH 5 9 TH 6 8
FR TE 9 2 TH 3 11 TH 2 12 TE 8 6 TH 1 11 TH 7 8 TH 7 6 TH 6 1 TH 6 3 TH 4 10
FR TH 4 9 TH 4 13 TH 3 5 TH 7 9 TH 6 7 TH 7 4 TH 7 3 TH 3 12 TH 2 11 TE 7 6
FR TE 13 4 TH 4 4 TH 4 1 TE 4 3
FR
PD
OU AM RS EF FS SS SC AD=OFF
TI D4

```

```

Number of Input Variables 21
Number of Y - Variables 14
Number of X - Variables 7
Number of ETA - Variables 3
Number of KSI - Variables 2
Number of Observations 464

```

TI D4

Covariance Matrix

	B1	B2	B3	B4	B5	F6
B1	0.20					
B2	0.12	0.21				
B3	0.12	0.12	0.27			
B4	0.14	0.13	0.15	0.25		
B5	0.14	0.12	0.13	0.16	0.25	
F6	0.12	0.13	0.14	0.15	0.15	0.22
F7	0.13	0.11	0.12	0.15	0.17	0.14
F8	0.12	0.10	0.15	0.14	0.14	0.13
F9	0.11	0.09	0.10	0.13	0.14	0.13
P10	0.06	0.07	0.08	0.08	0.07	0.09
P11	0.07	0.08	0.08	0.08	0.07	0.09
P12	0.38	0.42	0.40	0.46	0.39	0.44
P13	0.07	0.08	0.08	0.08	0.07	0.09
P14	0.06	0.08	0.09	0.08	0.08	0.09
T1	0.07	0.07	0.06	0.07	0.07	0.07
T2	0.07	0.07	0.06	0.07	0.06	0.07
T3	0.07	0.08	0.06	0.07	0.06	0.07
T4	0.08	0.07	0.06	0.09	0.07	0.07
A5	0.06	0.06	0.05	0.06	0.06	0.05
A6	0.06	0.06	0.06	0.07	0.06	0.06
A7	0.05	0.05	0.04	0.06	0.05	0.05

Covariance Matrix

	F7	F8	F9	P10	P11	P12
F7	0.24					
F8	0.13	0.25				
F9	0.14	0.14	0.19			
P10	0.08	0.08	0.07	0.15		
P11	0.07	0.08	0.07	0.10	0.14	
P12	0.38	0.43	0.42	0.52	0.49	3.87
P13	0.07	0.08	0.08	0.10	0.09	0.51
P14	0.07	0.08	0.07	0.10	0.10	0.54
T1	0.06	0.05	0.05	0.05	0.05	0.29
T2	0.06	0.06	0.05	0.05	0.05	0.27
T3	0.05	0.05	0.05	0.05	0.05	0.28
T4	0.07	0.06	0.06	0.05	0.05	0.28
A5	0.06	0.04	0.05	0.03	0.03	0.18
A6	0.07	0.05	0.06	0.04	0.04	0.22
A7	0.06	0.05	0.05	0.04	0.04	0.19

Covariance Matrix

	P13	P14	T1	T2	T3	T4
P13	0.14					
P14	0.11	0.16				
T1	0.05	0.06	0.11			
T2	0.05	0.06	0.09	0.12		
T3	0.05	0.06	0.09	0.10	0.13	
T4	0.05	0.06	0.08	0.09	0.09	0.13
A5	0.03	0.04	0.06	0.07	0.06	0.07
A6	0.04	0.04	0.05	0.06	0.06	0.06
A7	0.04	0.04	0.05	0.06	0.05	0.07

Covariance Matrix

A5	A6	A7

A5	0.10		
A6	0.08	0.10	
A7	0.08	0.07	0.12

TI D4

Parameter Specifications

LAMBDA-Y

	BB	FF	PP
B1	0	0	0
B2	1	0	0
B3	2	0	0
B4	3	0	0
B5	4	0	0
F6	0	0	0
F7	0	5	0
F8	0	6	0
F9	0	7	0
P10	0	0	8
P11	0	0	8
P12	0	0	9
P13	0	0	10
P14	0	0	11

LAMBDA-X

	TA	AA
T1	12	0
T2	13	0
T3	14	0
T4	15	0
A5	0	16
A6	0	17
A7	0	18

BETA

	BB	FF	PP
BB	0	0	0
FF	0	0	0
PP	19	20	0

GAMMA

	TA	AA
BB	21	22
FF	23	24
PP	25	26

PHI

	TA	AA
TA	0	
AA	27	0

PSI

	BB	FF	PP			
	-----	-----	-----			
	28	29	30			
THETA-EPS						
	B1	B2	B3	B4	B5	F6
	-----	-----	-----	-----	-----	-----
B1	31					
B2	32	33				
B3	34	35	36			
B4	37	38	39	40		
B5	41	42	0	0	43	
F6	44	45	46	47	48	49
F7	50	51	52	53	54	55
F8	57	58	59	60	61	62
F9	65	66	67	68	69	0
P10	73	74	75	0	0	76
P11	78	79	80	81	0	82
P12	0	0	86	87	0	0
P13	0	90	91	92	0	93
P14	96	0	97	98	99	0

THETA-EPS						
	F7	F8	F9	P10	P11	P12
	-----	-----	-----	-----	-----	-----
F7	56					
F8	63	64				
F9	70	71	72			
P10	0	0	0	77		
P11	0	0	83	84	85	
P12	0	0	88	0	0	89
P13	0	0	94	0	0	0
P14	0	0	0	100	0	0

THETA-EPS	
	P13

P13	95
P14	0
	101

THETA-DELTA-EPS						
	B1	B2	B3	B4	B5	F6
	-----	-----	-----	-----	-----	-----
T1	0	0	0	0	102	103
T2	0	108	0	109	110	111
T3	0	0	0	0	118	119
T4	126	127	0	128	0	0
A5	136	137	0	0	0	138
A6	143	144	145	0	146	147
A7	0	155	156	157	0	158

THETA-DELTA-EPS						
	F7	F8	F9	P10	P11	P12
	-----	-----	-----	-----	-----	-----
T1	104	0	0	0	105	106
T2	112	0	0	113	114	115
T3	120	0	121	0	122	123
T4	0	0	129	130	0	0
A5	0	139	140	0	0	0
A6	148	149	0	150	151	152
A7	0	159	160	0	161	0

THETA-DELTA-EPS

	P13	P14
T1	0	0
T2	0	0
T3	0	0
T4	131	0
A5	0	0
A6	0	0
A7	0	0

THETA-DELTA

	T1	T2	T3	T4	A5	A6
T1	107					
T2	116	117				
T3	124	0	125			
T4	132	133	134	135		
A5	0	141	0	0	142	
A6	0	0	153	0	0	154
A7	0	0	162	163	164	165

THETA-DELTA

	A7
A7	166

TI D4

Number of Iterations = 58

LISREL Estimates (Maximum Likelihood)

LAMBDA-Y

	BB	FF	PP
B1	0.38	--	--
B2	0.43 (0.03) 13.25	--	--
B3	0.34 (0.03) 10.94	--	--
B4	0.42 (0.03) 13.36	--	--
B5	0.38 (0.03) 13.33	--	--
F6	--	0.39	--
F7	--	0.34 (0.03) 12.90	--

F8	--	0.37 (0.03) 12.04	--
F9	--	0.32 (0.02) 13.10	--
P10	--	--	0.31
P11	--	--	0.30 (0.01) 20.26
P12	--	--	1.61 (0.08) 19.57
P13	--	--	0.32 (0.02) 19.86
P14	--	--	0.33 (0.02) 18.23

LAMBDA-X

	TA	AA
T1	0.29 (0.01) 20.68	--
T2	0.31 (0.01) 22.75	--
T3	0.31 (0.01) 22.21	--
T4	0.33 (0.02) 19.29	--
A5	--	0.29 (0.01) 23.06
A6	--	0.27 (0.01) 21.21
A7	--	0.27 (0.02) 15.56

BETA

	BB	FF	PP
BB	--	--	--

FF	--	--	--
PP	0.44 (0.07) 6.31	0.64 (0.08) 7.81	--

GAMMA

	TA	AA
BB	0.42 (0.07) 6.13	0.24 (0.07) 3.43
FF	0.22 (0.07) 2.90	0.47 (0.09) 5.42
PP	0.17 (0.08) 2.25	-0.34 (0.10) -3.45

Covariance Matrix of ETA and KSI

	BB	FF	PP	TA	AA
BB	1.00				
FF	0.38	1.00			
PP	0.60	0.69	1.00		
TA	0.59	0.55	0.54	1.00	
AA	0.53	0.62	0.41	0.71	1.00

PHI

	TA	AA
TA	1.00	
AA	0.71 (0.03) 23.64	1.00

PSI

Note: This matrix is diagonal.

	BB	FF	PP
	0.63 (0.10) 6.52	0.59 (0.08) 7.36	0.34 (0.06) 5.45

Squared Multiple Correlations for Structural Equations

	BB	FF	PP
	0.37	0.41	0.66

Squared Multiple Correlations for Reduced Form

	BB	FF	PP
	-----	-----	-----

	0.37	0.41	0.29			
Reduced Form						
	TA	AA				
	-----	-----				
BB	0.42 (0.07) 6.13	0.24 (0.07) 3.43				
FF	0.22 (0.07) 2.90	0.47 (0.09) 5.42				
PP	0.49 (0.07) 7.05	0.07 (0.07) 0.95				
THETA-EPS						
	B1	B2	B3	B4	B5	F6
	-----	-----	-----	-----	-----	-----
B1	0.06 (0.01) 3.82					
B2	-0.04 (0.01) -2.93	0.03 (0.02) 1.54				
B3	-0.02 (0.01) -1.70	-0.02 (0.01) -2.06	0.15 (0.01) 10.88			
B4	-0.02 (0.01) -2.42	-0.05 (0.01) -4.06	0.01 (0.01) 0.81	0.07 (0.01) 6.21		
B5	0.00 (0.01) -0.33	-0.04 (0.01) -3.75	--	--	0.10 (0.01) 9.15	
F6	0.06 (0.01) 7.92	0.07 (0.01) 8.10	0.09 (0.01) 9.30	0.09 (0.01) 9.79	0.10 (0.01) 10.29	0.07 (0.01) 6.81
F7	0.07 (0.01) 8.82	0.06 (0.01) 6.46	0.08 (0.01) 8.16	0.09 (0.01) 10.08	0.11 (0.01) 11.54	0.01 (0.01) 0.89
F8	0.07 (0.01) 7.69	0.04 (0.01) 4.66	0.10 (0.01) 9.48	0.08 (0.01) 7.91	0.08 (0.01) 8.49	-0.01 (0.01) -1.25
F9	0.07 (0.01) 8.98	0.03 (0.01) 4.52	0.06 (0.01) 6.61	0.08 (0.01) 9.17	0.09 (0.01) 10.74	--
P10	-0.01 (0.00) -2.13	-0.01 (0.00) -1.51	0.01 (0.01) 2.09	--	--	0.00 (0.00) 0.95
P11	0.00 (0.00) 1.00	0.01 (0.00) 2.08	0.02 (0.01) 2.54	0.01 (0.00) 1.80	--	0.01 (0.00) 3.08

P12	--	--	0.06 (0.03) 1.75	0.05 (0.02) 2.17	--	--
P13	--	0.00 (0.00) -0.73	0.01 (0.01) 2.16	0.00 (0.00) 1.08	--	0.01 (0.00) 2.03
P14	-0.01 (0.00) -2.64	--	0.02 (0.01) 2.89	0.00 (0.01) 0.60	0.01 (0.00) 1.65	--

THETA-EPS

	F7	F8	F9	P10	P11	P12
F7	0.12 (0.01) 8.54					
F8	0.01 (0.01) 0.47	0.12 (0.02) 7.35				
F9	0.02 (0.01) 2.88	0.02 (0.01) 1.95	0.08 (0.01) 9.75			
P10	--	--	--	0.05 (0.00) 10.78		
P11	--	--	0.01 (0.00) 1.69	0.00 (0.00) 1.26	0.05 (0.00) 12.09	
P12	--	--	0.05 (0.02) 2.81	--	--	1.22 (0.10) 12.21
P13	--	--	0.01 (0.00) 3.74	--	--	--
P14	--	--	--	-0.01 (0.00) -2.63	--	--

THETA-EPS

	P13	P14
P13	0.04 (0.00) 11.91	
P14	--	0.06 (0.00) 12.03

Squared Multiple Correlations for Y - Variables

	B1	B2	B3	B4	B5	F6
	0.72	0.86	0.43	0.71	0.59	0.67
Squared Multiple Correlations for Y - Variables						
	F7	F8	F9	P10	P11	P12
	0.50	0.53	0.56	0.67	0.64	0.68
Squared Multiple Correlations for Y - Variables						
	P13	P14				
	0.70	0.65				
THETA-DELTA-EPS						
	B1	B2	B3	B4	B5	F6
T1	--	--	--	--	0.00 (0.00) 0.29	0.01 (0.00) 2.44
T2	--	-0.01 (0.00) -2.34	--	-0.01 (0.00) -2.80	-0.01 (0.00) -2.39	0.00 (0.00) 0.58
T3	--	--	--	--	-0.01 (0.00) -1.81	0.00 (0.00) 1.32
T4	0.00 (0.00) 1.00	-0.01 (0.00) -2.47	--	0.00 (0.00) 1.16	--	--
A5	0.00 (0.00) -0.79	-0.01 (0.00) -1.12	--	--	--	-0.02 (0.00) -3.53
A6	0.01 (0.00) 2.15	0.00 (0.00) -0.15	0.00 (0.00) 1.30	--	0.01 (0.00) 2.25	-0.01 (0.00) -2.25
A7	--	-0.01 (0.01) -1.99	0.00 (0.00) -1.12	-0.01 (0.00) -1.40	--	-0.01 (0.01) -2.38
THETA-DELTA-EPS						
	F7	F8	F9	P10	P11	P12
T1	0.00 (0.00) -0.24	--	--	--	0.00 (0.00) 2.01	0.03 (0.01) 2.01
T2	0.00 (0.00) -1.17	--	--	-0.01 (0.00) -2.49	0.00 (0.00) 0.95	-0.01 (0.01) -0.55
T3	-0.01 (0.00) -1.91	--	-0.01 (0.00) -1.98	--	0.01 (0.00) 2.46	0.01 (0.01) 1.02
T4	--	--	0.00	-0.01	--	--

			(0.00) 1.08	(0.00) -2.10		
A5	--	-0.02 (0.01) -3.53	-0.01 (0.00) -2.40	--	--	--
A6	0.00 (0.00) 1.48	-0.01 (0.00) -2.04	--	0.01 (0.00) 2.67	0.00 (0.00) 1.63	0.03 (0.01) 2.58
A7	--	-0.01 (0.01) -2.54	-0.01 (0.00) -1.63	--	0.01 (0.00) 2.49	--

THETA-DELTA-EPS

	P13	P14
T1	--	--
T2	--	--
T3	--	--
T4	0.00 (0.00) -1.69	--
A5	--	--
A6	--	--
A7	--	--

THETA-DELTA

	T1	T2	T3	T4	A5	A6
T1	0.02 (0.00) 5.15					
T2	0.00 (0.00) 1.20	0.03 (0.00) 6.56				
T3	0.00 (0.00) 0.77	--	0.03 (0.00) 7.20			
T4	-0.01 (0.00) -2.95	-0.02 (0.00) -3.66	-0.01 (0.00) -2.15	0.02 (0.01) 2.81		
A5	--	0.00 (0.00) 1.11	--	--	0.02 (0.00) 5.35	
A6	--	--	0.00 (0.00) -2.29	--	--	0.03 (0.00) 8.54
A7	--	--	0.00	0.00	0.00	0.00

(0.00) (0.00) (0.00) (0.00)
 -2.13 0.61 0.51 0.63

THETA-DELTA

A7

 A7 0.05
 (0.01)
 6.79

Squared Multiple Correlations for X - Variables

T1	T2	T3	T4	A5	A6
0.78	0.80	0.77	0.84	0.82	0.72

Squared Multiple Correlations for X - Variables

A7

 0.62

Goodness of Fit Statistics

Degrees of Freedom = 65
 Minimum Fit Function Chi-Square = 23.50 (P = 1.00)
 Normal Theory Weighted Least Squares Chi-Square = 23.31 (P = 1.00)
 Estimated Non-centrality Parameter (NCP) = 0.0
 90 Percent Confidence Interval for NCP = (0.0 ; 0.0)

Minimum Fit Function Value = 0.051
 Population Discrepancy Function Value (FO) = 0.0
 90 Percent Confidence Interval for FO = (0.0 ; 0.0)
 Root Mean Square Error of Approximation (RMSEA) = 0.0
 90 Percent Confidence Interval for RMSEA = (0.0 ; 0.0)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 0.86
 90 Percent Confidence Interval for ECVI = (0.86 ; 0.86)
 ECVI for Saturated Model = 1.00
 ECVI for Independence Model = 46.69

Chi-Square for Independence Model with 210 Degrees of Freedom = 21575.86
 Independence AIC = 21617.86
 Model AIC = 355.31
 Saturated AIC = 462.00
 Independence CAIC = 21725.79
 Model CAIC = 1208.53
 Saturated CAIC = 1649.31

Normed Fit Index (NFI) = 1.00
 Non-Normed Fit Index (NNFI) = 1.01
 Parsimony Normed Fit Index (PNFI) = 0.31
 Comparative Fit Index (CFI) = 1.00
 Incremental Fit Index (IFI) = 1.00
 Relative Fit Index (RFI) = 1.00

Critical N (CN) = 1861.25

Root Mean Square Residual (RMR) = 0.0051
 Standardized RMR = 0.012

Goodness of Fit Index (GFI) = 1.00
 Adjusted Goodness of Fit Index (AGFI) = 0.98
 Parsimony Goodness of Fit Index (PGFI) = 0.28

TI D4

Fitted Covariance Matrix

	B1	B2	B3	B4	B5	F6
B1	0.20					
B2	0.12	0.21				
B3	0.11	0.12	0.27			
B4	0.14	0.13	0.15	0.25		
B5	0.14	0.12	0.13	0.16	0.24	
F6	0.12	0.13	0.14	0.15	0.15	0.22
F7	0.12	0.11	0.12	0.15	0.16	0.14
F8	0.12	0.10	0.15	0.14	0.14	0.13
F9	0.11	0.09	0.10	0.13	0.14	0.13
P10	0.06	0.07	0.08	0.08	0.07	0.09
P11	0.07	0.08	0.08	0.08	0.07	0.09
P12	0.37	0.41	0.39	0.45	0.37	0.43
P13	0.07	0.08	0.08	0.08	0.07	0.09
P14	0.06	0.08	0.09	0.09	0.08	0.09
T1	0.06	0.07	0.06	0.07	0.07	0.07
T2	0.07	0.07	0.06	0.07	0.06	0.07
T3	0.07	0.08	0.06	0.08	0.06	0.07
T4	0.08	0.07	0.07	0.09	0.07	0.07
A5	0.06	0.06	0.05	0.07	0.06	0.05
A6	0.06	0.06	0.05	0.06	0.06	0.05
A7	0.05	0.05	0.04	0.06	0.05	0.05

Fitted Covariance Matrix

	F7	F8	F9	P10	P11	P12
F7	0.24					
F8	0.13	0.25				
F9	0.13	0.14	0.19			
P10	0.07	0.08	0.07	0.15		
P11	0.07	0.07	0.07	0.10	0.14	
P12	0.38	0.41	0.41	0.51	0.48	3.83
P13	0.07	0.08	0.08	0.10	0.09	0.51
P14	0.08	0.08	0.07	0.09	0.10	0.53
T1	0.05	0.06	0.05	0.05	0.05	0.28
T2	0.05	0.06	0.06	0.05	0.05	0.27
T3	0.05	0.06	0.05	0.05	0.06	0.29
T4	0.06	0.07	0.06	0.05	0.05	0.29
A5	0.06	0.05	0.05	0.04	0.04	0.19
A6	0.06	0.05	0.05	0.04	0.04	0.21
A7	0.06	0.05	0.05	0.04	0.04	0.18

Fitted Covariance Matrix

	P13	P14	T1	T2	T3	T4
P13	0.14					
P14	0.10	0.16				
T1	0.05	0.05	0.11			
T2	0.05	0.06	0.09	0.12		
T3	0.05	0.06	0.09	0.10	0.13	
T4	0.05	0.06	0.08	0.09	0.09	0.13
A5	0.04	0.04	0.06	0.07	0.06	0.07
A6	0.04	0.04	0.06	0.06	0.06	0.06
A7	0.04	0.04	0.05	0.06	0.05	0.06

Fitted Covariance Matrix

	A5	A6	A7
A5	0.10		
A6	0.08	0.10	
A7	0.08	0.08	0.12

Fitted Residuals

	B1	B2	B3	B4	B5	F6
B1	0.00					
B2	0.00	0.00				
B3	0.00	0.00	0.00			
B4	0.00	0.00	0.00	0.00		
B5	0.00	0.00	0.00	0.00	0.00	
F6	0.00	0.00	0.00	0.00	0.00	0.00
F7	0.00	0.00	0.00	0.00	0.00	0.00
F8	0.00	0.00	0.00	0.00	0.00	0.00
F9	0.00	0.00	0.00	0.00	0.00	0.00
P10	0.00	0.00	0.00	0.00	0.00	0.00
P11	0.00	0.00	0.00	0.00	0.00	0.00
P12	0.01	0.01	0.01	0.01	0.02	0.01
P13	0.00	0.00	0.00	0.00	0.00	0.00
P14	0.00	0.00	0.00	0.00	0.00	0.00
T1	0.00	0.00	0.00	0.00	0.00	0.00
T2	0.00	0.00	0.00	0.00	0.00	0.00
T3	0.00	0.00	0.00	0.00	0.00	0.00
T4	0.00	0.00	0.00	0.00	0.00	0.00
A5	0.00	0.00	0.00	0.00	0.00	0.00
A6	0.00	0.00	0.00	0.00	0.00	0.00
A7	0.00	0.00	0.00	0.00	0.00	0.00

Fitted Residuals

	F7	F8	F9	P10	P11	P12
F7	0.00					
F8	0.00	0.00				
F9	0.00	0.00	0.00			
P10	0.00	0.00	0.00	0.00		
P11	0.00	0.01	0.00	0.00	0.00	
P12	0.00	0.03	0.02	0.01	0.01	0.05
P13	0.00	0.00	0.00	0.00	0.00	0.00
P14	0.00	0.00	0.00	0.00	0.00	0.01
T1	0.00	0.00	0.00	0.00	0.00	0.01
T2	0.00	0.00	0.00	0.00	0.00	0.00
T3	0.00	-0.01	0.00	0.00	0.00	0.00
T4	0.00	0.00	0.00	0.00	0.00	-0.01
A5	0.00	0.00	0.00	0.00	0.00	-0.01
A6	0.00	0.00	0.00	0.00	0.00	0.01
A7	0.00	0.00	0.00	0.00	0.00	0.01

Fitted Residuals

	P13	P14	T1	T2	T3	T4
P13	0.00					
P14	0.00	0.00				
T1	0.00	0.00	0.00			
T2	0.00	0.00	0.00	0.00		
T3	0.00	0.00	0.00	0.00	0.00	
T4	0.00	0.00	0.00	0.00	0.00	0.00
A5	0.00	0.00	0.00	0.00	0.00	0.00
A6	0.00	0.01	0.00	0.00	0.00	0.00

P11	0.27	1.30	1.43	1.87	1.81	
P12	-0.06	1.29	1.17	1.22	0.97	1.88
P13	-0.48	0.13	0.15	0.72	0.92	0.43
P14	-0.75	0.20	0.06	1.43	0.31	0.88
T1	0.72	-0.86	-0.52	0.11	0.63	1.08
T2	0.41	-0.69	-0.77	-0.56	-0.29	0.11
T3	0.05	-1.76	-1.23	-0.83	-0.69	-0.24
T4	1.11	-0.73	-0.36	-1.29	-0.92	-0.58
A5	-0.01	-1.86	-1.60	-1.58	-1.15	-0.75
A6	1.82	0.28	0.34	0.09	0.42	0.88
A7	0.75	-0.24	-0.20	0.20	0.40	0.69

Standardized Residuals

	P13	P14	T1	T2	T3	T4
P13	1.09					
P14	0.90	0.45				
T1	1.12	1.48	0.14			
T2	0.27	0.73	0.26	0.25		
T3	0.00	0.33	0.36	0.21	-0.06	
T4	-0.66	-0.39	-0.24	-0.15	-0.31	0.11
A5	-1.21	-0.05	-0.60	0.17	0.62	1.26
A6	0.47	1.46	-1.40	-0.64	-0.35	0.73
A7	0.50	1.42	-1.12	0.03	0.19	1.04

Standardized Residuals

	A5	A6	A7
A5	0.87		
A6	-0.13	-0.33	
A7	0.31	-0.34	-0.95

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -1.86
 Median Standardized Residual = 0.37
 Largest Standardized Residual = 1.88

Stemleaf Plot

```

-18|6
-16|60
-14|80
-12|931
-10|52
- 8|55263
- 6|75531998644310
- 4|98863228420
- 2|9987665444431984444410
- 0|543300076655210
04|113356901113456679
2|0013456677811113444678899
4|0123555677890112338
6|11122233692233355558
8|344566788880012677789
10|346667888911246777
12|2368990022345
14|112333688827
16|3585
18|1278

```

TI D4

Qplot of Standardized Residuals



มหาวิทยาลัยราชภัฏวชิรเวศน์

TI D4

Modification Indices and Expected Change

Modification Indices for LAMBDA-Y

	BB	FF	PP
B1	--	0.25	0.16
B2	--	0.11	0.11
B3	--	0.14	0.05
B4	--	0.40	0.08
B5	--	0.00	0.24
F6	0.41	--	0.41
F7	1.04	--	1.14
F8	1.16	--	1.16
F9	0.36	--	0.52

P10	0.07	0.00	--
P11	0.00	0.05	--
P12	0.18	0.01	--
P13	0.07	0.02	--
P14	0.01	0.02	--

Expected Change for LAMBDA-Y

	BB	FF	PP
	-----	-----	-----
B1	--	-0.05	-0.01
B2	--	-0.05	-0.01
B3	--	-0.02	-0.02
B4	--	0.03	0.01
B5	--	0.00	0.02
F6	0.10	--	-0.04
F7	0.14	--	-0.05
F8	-0.16	--	0.07
F9	-0.07	--	0.03
P10	0.00	0.00	--
P11	0.00	0.00	--
P12	0.02	0.01	--
P13	0.00	0.00	--
P14	0.00	0.00	--

Standardized Expected Change for LAMBDA-Y

	BB	FF	PP
	-----	-----	-----
B1	--	-0.05	-0.01
B2	--	-0.05	-0.01
B3	--	-0.02	-0.02
B4	--	0.03	0.01
B5	--	0.00	0.02
F6	0.10	--	-0.04
F7	0.14	--	-0.05
F8	-0.16	--	0.07
F9	-0.07	--	0.03
P10	0.00	0.00	--
P11	0.00	0.00	--
P12	0.02	0.01	--
P13	0.00	0.00	--
P14	0.00	0.00	--

Completely Standardized Expected Change for LAMBDA-Y

	BB	FF	PP
	-----	-----	-----
B1	--	-0.12	-0.03
B2	--	-0.11	-0.03
B3	--	-0.03	-0.04
B4	--	0.06	0.02
B5	--	0.01	0.04
F6	0.22	--	-0.09
F7	0.28	--	-0.10
F8	-0.33	--	0.14
F9	-0.17	--	0.07
P10	-0.01	0.00	--
P11	0.00	0.01	--
P12	0.01	0.00	--
P13	-0.01	-0.01	--
P14	0.00	-0.01	--

Modification Indices for LAMBDA-X

TA	AA
----	----

	-----	-----
T1	- -	2.73
T2	- -	0.28
T3	- -	0.08
T4	- -	1.71
A5	0.53	- -
A6	0.60	- -
A7	0.02	- -

Expected Change for LAMBDA-X

	TA	AA
	-----	-----
T1	- -	-0.03
T2	- -	0.01
T3	- -	0.01
T4	- -	0.04
A5	0.03	- -
A6	-0.03	- -
A7	-0.01	- -

Standardized Expected Change for LAMBDA-X

	TA	AA
	-----	-----
T1	- -	-0.03
T2	- -	0.01
T3	- -	0.01
T4	- -	0.04
A5	0.03	- -
A6	-0.03	- -
A7	-0.01	- -

Completely Standardized Expected Change for LAMBDA-X

	TA	AA
	-----	-----
T1	- -	-0.10
T2	- -	0.04
T3	- -	0.02
T4	- -	0.12
A5	0.09	- -
A6	-0.11	- -
A7	-0.02	- -

No Non-Zero Modification Indices for BETA

No Non-Zero Modification Indices for GAMMA

No Non-Zero Modification Indices for PHI

No Non-Zero Modification Indices for PSI

Modification Indices for THETA-EPS

	B1	B2	B3	B4	B5	F6
	-----	-----	-----	-----	-----	-----
B1	- -	- -	- -	- -	- -	- -
B2	- -	- -	- -	- -	- -	- -
B3	- -	- -	- -	- -	- -	- -
B4	- -	- -	- -	- -	- -	- -
B5	- -	- -	0.12	0.12	- -	- -
F6	- -	- -	- -	- -	- -	- -
F7	- -	- -	- -	- -	- -	- -
F8	- -	- -	- -	- -	- -	- -
F9	- -	- -	- -	- -	- -	- -

	B1	B2	B3	B4	B5	F6
B1	--					
B2	--	--				
B3	--	--	--			
B4	--	--	--	--		
B5	--	--	0.02	-0.02	--	
F6	--	--	--	--	--	--
F7	--	--	--	--	--	--
F8	--	--	--	--	--	--
F9	--	--	--	--	--	--
P10	--	--	--	0.01	0.00	--
P11	--	--	--	--	0.01	--
P12	-0.01	0.01	--	--	0.01	0.00
P13	0.00	--	--	--	-0.01	--
P14	--	-0.02	--	--	--	-0.01

Completely Standardized Expected Change for THETA-EPS

	F7	F8	F9	P10	P11	P12
F7	--					
F8	--	--				
F9	--	--	--			
P10	0.00	-0.01	0.02	--	--	
P11	0.00	0.02	--	--	--	
P12	-0.01	0.02	--	0.00	0.00	--
P13	0.00	-0.01	--	0.00	0.00	-0.01
P14	-0.01	0.00	0.00	--	-0.01	0.00

Completely Standardized Expected Change for THETA-EPS

	P13	P14
P13	--	--
P14	0.02	--

Modification Indices for THETA-DELTA-EPS

	B1	B2	B3	B4	B5	F6
T1	0.23	0.06	0.65	0.25	--	--
T2	0.27	--	0.01	--	--	--
T3	0.11	0.00	0.42	0.00	--	--
T4	--	--	0.03	--	0.01	0.41
A5	--	--	0.06	0.05	0.16	--
A6	--	--	--	0.72	--	--
A7	0.03	--	--	--	0.60	--

Modification Indices for THETA-DELTA-EPS

	F7	F8	F9	P10	P11	P12
T1	--	0.37	0.03	0.01	--	--
T2	--	0.58	0.06	--	--	--
T3	--	0.80	--	0.03	--	--
T4	1.13	0.00	--	--	0.22	0.08
A5	0.05	--	--	0.37	0.09	0.00
A6	--	--	0.05	--	--	--
A7	0.18	--	--	0.06	--	0.03

Modification Indices for THETA-DELTA-EPS

	P13	P14
P13	--	--
P14	--	--

T1	0.31	0.32
T2	0.01	0.01
T3	0.01	0.08
T4	-	0.56
A5	0.26	0.10
A6	0.04	0.59
A7	0.00	0.53

Expected Change for THETA-DELTA-EPS

	B1	B2	B3	B4	B5	F6
T1	0.00	0.00	0.00	0.00	-	-
T2	0.00	-	0.00	-	-	-
T3	0.00	0.00	0.00	0.00	-	-
T4	-	-	0.00	-	0.00	0.00
A5	-	-	0.00	0.00	0.00	-
A6	-	-	-	0.00	-	-
A7	0.00	-	-	-	0.00	-

Expected Change for THETA-DELTA-EPS

	F7	F8	F9	P10	P11	P12
T1	-	0.00	0.00	0.00	-	-
T2	-	0.00	0.00	-	-	-
T3	-	0.00	-	0.00	-	-
T4	0.01	0.00	-	-	0.00	0.00
A5	0.00	-	-	0.00	0.00	0.00
A6	-	-	0.00	-	-	-
A7	0.00	-	-	0.00	-	0.00

Expected Change for THETA-DELTA-EPS

	P13	P14
T1	0.00	0.00
T2	0.00	0.00
T3	0.00	0.00
T4	-	0.00
A5	0.00	0.00
A6	0.00	0.00
A7	0.00	0.00

Completely Standardized Expected Change for THETA-DELTA-EPS

	B1	B2	B3	B4	B5	F6
T1	0.01	0.00	0.01	-0.01	-	-
T2	-0.01	-	0.00	-	-	-
T3	0.01	0.00	-0.01	0.00	-	-
T4	-	-	0.00	-	0.00	0.02
A5	-	-	-0.01	0.00	0.01	-
A6	-	-	-	0.02	-	-
A7	-0.01	-	-	-	-0.02	-

Completely Standardized Expected Change for THETA-DELTA-EPS

	F7	F8	F9	P10	P11	P12
T1	-	-0.01	0.00	0.00	-	-
T2	-	0.01	0.00	-	-	-
T3	-	-0.02	-	0.00	-	-
T4	0.03	0.00	-	-	-0.01	-0.01
A5	-0.01	-	-	-0.01	-0.01	0.00
A6	-	-	-0.01	-	-	-

A7 0.01 - - - - 0.01 - - 0.00

Completely Standardized Expected Change for THETA-DELTA-EPS

	P13	P14
T1	0.01	0.01
T2	0.00	0.00
T3	0.00	0.00
T4	- -	-0.02
A5	-0.01	-0.01
A6	0.00	0.02
A7	0.00	0.01

Modification Indices for THETA-DELTA

	T1	T2	T3	T4	A5	A6
T1	- -	- -	- -	- -	- -	- -
T2	- -	- -	- -	- -	- -	- -
T3	- -	- -	- -	- -	- -	- -
T4	- -	- -	- -	- -	- -	- -
A5	0.08	- -	0.56	0.11	- -	- -
A6	0.56	0.00	- -	0.00	- -	- -
A7	0.37	0.10	- -	- -	- -	- -

Modification Indices for THETA-DELTA

A7	
A7	- -

Expected Change for THETA-DELTA

	T1	T2	T3	T4	A5	A6
T1	- -	- -	- -	- -	- -	- -
T2	- -	- -	- -	- -	- -	- -
T3	- -	- -	- -	- -	- -	- -
T4	- -	- -	- -	- -	- -	- -
A5	0.00	- -	0.00	0.00	- -	- -
A6	0.00	0.00	- -	0.00	- -	- -
A7	0.00	0.00	- -	- -	- -	- -

Expected Change for THETA-DELTA

A7	
A7	- -

Completely Standardized Expected Change for THETA-DELTA

	T1	T2	T3	T4	A5	A6
T1	- -	- -	- -	- -	- -	- -
T2	- -	- -	- -	- -	- -	- -
T3	- -	- -	- -	- -	- -	- -
T4	- -	- -	- -	- -	- -	- -
A5	0.01	- -	0.02	0.01	- -	- -
A6	-0.01	0.00	- -	0.00	- -	- -
A7	-0.01	0.01	- -	- -	- -	- -

Completely Standardized Expected Change for THETA-DELTA

A7	
A7	- -

A7 - -

Maximum Modification Index is 2.73 for Element (1, 2) of LAMBDA-X

TI D4

Factor Scores Regressions

ETA

	B1	B2	B3	B4	B5	F6
BB	1.06	1.67	0.57	1.46	1.66	-1.97
FF	-0.50	-0.53	-0.79	-0.99	-1.52	2.10
PP	0.17	0.15	-0.30	-0.03	0.00	0.04

ETA

	F7	F8	F9	P10	P11	P12
BB	-1.42	-0.74	-0.72	0.64	-0.16	0.00
FF	1.16	1.10	0.77	0.03	-0.02	0.05
PP	0.11	0.18	-0.19	0.64	0.42	0.11

ETA

	P13	P14	T1	T2	T3	T4
BB	0.45	-0.05	-0.36	0.77	-0.42	-0.21
FF	-0.14	0.47	0.04	-0.32	0.28	0.43
PP	0.60	0.56	-0.18	0.26	-0.18	0.25

ETA

	A5	A6	A7
BB	-0.07	-0.34	0.61
FF	0.99	0.29	-0.17
PP	0.18	-0.27	-0.04

KSI

	B1	B2	B3	B4	B5	F6
TA	-0.12	0.24	-0.02	0.02	0.10	-0.20
AA	-0.09	0.13	-0.18	-0.07	-0.26	0.55

KSI

	F7	F8	F9	P10	P11	P12
TA	0.05	0.00	-0.01	0.24	-0.22	-0.02
AA	-0.09	0.37	0.09	-0.07	-0.24	-0.02

KSI

	P13	P14	T1	T2	T3	T4
TA	0.13	-0.04	0.62	0.81	0.45	1.29
AA	-0.03	0.07	0.03	-0.10	0.21	0.15

KSI

	A5	A6	A7
TA	-0.15	0.04	0.06

AA 1.54 0.91 0.45

TI D4

Standardized Solution

LAMBDA-Y

	BB	FF	PP
B1	0.38	--	--
B2	0.43	--	--
B3	0.34	--	--
B4	0.42	--	--
B5	0.38	--	--
F6	--	0.39	--
F7	--	0.34	--
F8	--	0.37	--
F9	--	0.32	--
P10	--	--	0.31
P11	--	--	0.30
P12	--	--	1.61
P13	--	--	0.32
P14	--	--	0.33

LAMBDA-X

	TA	AA
T1	0.29	--
T2	0.31	--
T3	0.31	--
T4	0.33	--
A5	--	0.29
A6	--	0.27
A7	--	0.27

BETA

	BB	FF	PP
BB	--	--	--
FF	--	--	--
PP	0.44	0.64	--

GAMMA

	TA	AA
BB	0.42	0.24
FF	0.22	0.47
PP	0.10	-0.34

Correlation Matrix of ETA and KSI

	BB	FF	PP	TA	AA
BB	1.00	--	--	--	--
FF	0.38	1.00	--	--	--
PP	0.60	0.69	1.00	--	--
TA	0.59	0.55	0.54	1.00	--
AA	0.53	0.62	0.41	0.71	1.00

PSI

Note: This matrix is diagonal.

BB	FF	PP
0.63	0.59	0.34

Regression Matrix ETA on KSI (Standardized)

	TA	AA
BB	0.42	0.24
FF	0.22	0.47
PP	0.49	0.07

TI D4

Completely Standardized Solution

LAMBDA-Y

	BB	FF	PP
B1	0.85	--	--
B2	0.93	--	--
B3	0.66	--	--
B4	0.84	--	--
B5	0.77	--	--
F6	--	0.82	--
F7	--	0.71	--
F8	--	0.73	--
F9	--	0.75	--
P10	--	--	0.82
P11	--	--	0.80
P12	--	--	0.83
P13	--	--	0.84
P14	--	--	0.81

LAMBDA-X

	TA	AA
T1	0.88	--
T2	0.89	--
T3	0.88	--
T4	0.92	--
A5	--	0.91
A6	--	0.85
A7	--	0.78

BETA

	BB	FF	PP
BB	--	--	--
FF	--	--	--
PP	0.44	0.64	--

GAMMA

	TA	AA
BB	0.42	0.24
FF	0.22	0.47
PP	0.17	-0.34

Correlation Matrix of ETA and KSI

BB	FF	PP	TA	AA
----	----	----	----	----

BB	1.00				
FF	0.38	1.00			
PP	0.60	0.69	1.00		
TA	0.59	0.55	0.54	1.00	
AA	0.53	0.62	0.41	0.71	1.00

PSI
Note: This matrix is diagonal.

BB	FF	PP
0.63	0.59	0.34

THETA-EPS

	B1	B2	B3	B4	B5	F6
B1	0.28					
B2	-0.21	0.14				
B3	-0.07	-0.10	0.57			
B4	-0.11	-0.23	0.03	0.29		
B5	-0.01	-0.19	-	-	0.41	
F6	0.30	0.32	0.36	0.39	0.41	0.33
F7	0.34	0.25	0.31	0.39	0.48	0.03
F8	0.30	0.18	0.39	0.31	0.34	-0.05
F9	0.34	0.17	0.25	0.36	0.42	-
P10	-0.05	-0.04	0.07	-	-	0.02
P11	0.02	0.05	0.08	0.04	-	0.07
P12	-	-	0.06	0.05	-	-
P13	-	-0.02	0.07	0.02	-	0.04
P14	-0.06	-	0.09	0.02	0.03	-

THETA-EPS

	F7	F8	F9	P10	P11	P12
F7	0.50					
F8	0.02	0.47				
F9	0.11	0.08	0.44			
P10	-	-	-	0.33		
P11	-	-	0.03	0.03	0.36	
P12	-	-	0.06	-	-	0.32
P13	-	-	0.07	-	-	-
P14	-	-	-	-0.06	-	-

THETA-EPS

	P13	P14
P13	0.30	
P14	-	0.35

THETA-DELTA-EPS

	B1	B2	B3	B4	B5	F6
T1	-	-	-	-	0.01	0.05
T2	-	-0.04	-	-0.05	-0.05	0.01
T3	-	-	-	-	-0.04	0.03
T4	0.02	-0.06	-	0.02	-	-
A5	-0.02	-0.04	-	-	-	-0.12
A6	0.05	-0.01	0.03	-	0.05	-0.07
A7	-	-0.06	-0.03	-0.03	-	-0.08

THETA-DELTA-EPS

	F7	F8	F9	F10	F11	F12
T1	-0.01	--	--	--	0.04	0.04
T2	-0.03	--	--	-0.04	0.02	-0.01
T3	-0.04	--	-0.03	--	0.05	0.02
T4	--	--	0.02	-0.04	--	--
A5	--	-0.11	-0.05	--	--	--
A6	0.03	-0.06	--	0.05	0.03	0.05
A7	--	-0.08	-0.04	--	0.05	--

THETA-DELTA-EPS

	P13	P14
T1	--	--
T2	--	--
T3	--	--
T4	-0.03	--
A5	--	--
A6	--	--
A7	--	--

THETA-DELTA

	T1	T2	T3	T4	A5	A6
T1	0.22	--	--	--	--	--
T2	0.03	0.20	--	--	--	--
T3	0.02	--	0.23	--	--	--
T4	-0.12	-0.12	-0.08	0.16	--	--
A5	--	0.02	--	--	0.18	--
A6	--	--	-0.04	--	--	0.28
A7	--	--	-0.04	0.01	0.02	0.02

THETA-DELTA

	A7
A7	0.38

Regression Matrix ETA On KSI (Standardized)

	TA	AA
BB	0.42	0.24
FF	0.22	0.47
PP	0.49	0.07

TI D4

Total and Indirect Effects

Total Effects of KSI on ETA

	TA	AA
BB	0.42 (0.07) 6.13	0.24 (0.07) 3.43
FF	0.22 (0.07) 2.90	0.47 (0.09) 5.42
PP	0.49	0.07

(0.07) (0.07)
7.05 0.95

Indirect Effects of KSI on ETA

	TA	AA
	-----	-----
BB	--	--
FF	--	--
PP	0.32 (0.08) 4.18	0.41 (0.10) 4.14

Total Effects of ETA on ETA

	BB	FF	PP
	-----	-----	-----
BB	--	--	--
FF	--	--	--
PP	0.44 (0.07) 6.31	0.64 (0.08) 7.81	--

Largest Eigenvalue of B*B' (Stability Index) is 0.603

Total Effects of ETA on Y

	BB	FF	PP
	-----	-----	-----
B1	0.38	--	--
B2	0.43 (0.03) 13.25	--	--
B3	0.34 (0.03) 10.94	--	--
B4	0.42 (0.03) 13.36	--	--
B5	0.38 (0.03) 13.33	--	--
F6	--	0.39	--
F7	--	0.34 (0.03) 12.90	--
F8	--	0.37 (0.03) 12.04	--
F9	--	0.32 (0.02)	--

		13.10	
P10	0.14 (0.02) 6.31	0.20 (0.03) 7.81	0.31
P11	0.13 (0.02) 6.33	0.19 (0.02) 7.84	0.30 (0.01) 20.26
P12	0.71 (0.11) 6.36	1.04 (0.13) 7.83	1.61 (0.08) 19.57
P13	0.14 (0.02) 6.36	0.20 (0.03) 7.81	0.32 (0.02) 19.86
P14	0.14 (0.02) 6.25	0.21 (0.03) 7.83	0.33 (0.02) 18.23

Indirect Effects of ETA on Y

	BB	FF	FP
B1	--	--	--
B2	--	--	--
B3	--	--	--
B4	--	--	--
B5	--	--	--
F6	--	--	--
F7	--	--	--
F8	--	--	--
F9	--	--	--
P10	0.14 (0.02) 6.31	0.20 (0.03) 7.81	--
P11	0.13 (0.02) 6.33	0.19 (0.02) 7.84	--
P12	0.71 (0.11) 6.36	1.04 (0.13) 7.83	--
P13	0.14 (0.02) 6.36	0.20 (0.03) 7.81	--
P14	0.14 (0.02) 6.25	0.21 (0.03) 7.83	--

Total Effects of KSI on Y

	TA	AA
B1	0.16 (0.03) 6.13	0.09 (0.03) 3.43
B2	0.18 (0.03) 6.35	0.10 (0.03) 3.39
B3	0.14 (0.02) 5.75	0.08 (0.02) 3.40
B4	0.17 (0.03) 6.05	0.10 (0.03) 3.46
B5	0.16 (0.03) 5.99	0.09 (0.03) 3.40
F6	0.08 (0.03) 2.90	0.18 (0.03) 5.42
F7	0.07 (0.03) 2.83	0.16 (0.03) 5.52
F8	0.08 (0.03) 2.88	0.17 (0.03) 5.35
F9	0.07 (0.02) 2.85	0.15 (0.03) 5.55
P10	0.16 (0.02) 7.05	0.02 (0.02) 0.95
P11	0.15 (0.02) 6.90	0.02 (0.02) 0.96
P12	0.80 (0.11) 6.98	0.11 (0.11) 0.96
P13	0.16 (0.02) 7.02	0.02 (0.02) 0.96
P14	0.16 (0.02) 6.95	0.02 (0.02) 0.96

TI D4

Standardized Total and Indirect Effects

Standardized Total Effects of KSI on ETA

	TA	AA
BB	0.42	0.24
FF	0.22	0.47
PP	0.49	0.07

Standardized Indirect Effects of KSI on ETA

	TA	AA
BB	--	--
FF	--	--
PP	0.32	0.41

Standardized Total Effects of ETA on ETA

	BB	FF	PP
BB	--	--	--
FF	--	--	--
PP	0.44	0.64	--

Standardized Total Effects of ETA on Y

	BB	FF	PP
B1	0.38	--	--
B2	0.43	--	--
B3	0.34	--	--
B4	0.42	--	--
B5	0.38	--	--
F6	--	0.39	--
F7	--	0.34	--
F8	--	0.37	--
F9	--	0.32	--
P10	0.14	0.20	0.31
P11	0.13	0.19	0.30
P12	0.71	1.04	1.61
P13	0.14	0.20	0.32
P14	0.14	0.21	0.33

Completely Standardized Total Effects of ETA on Y

	BB	FF	PP
B1	0.85	--	--
B2	0.93	--	--
B3	0.66	--	--
B4	0.84	--	--
B5	0.77	--	--
F6	--	0.82	--
F7	--	0.71	--
F8	--	0.73	--
F9	--	0.75	--
P10	0.36	0.52	0.82
P11	0.35	0.51	0.80
P12	0.36	0.53	0.83
P13	0.37	0.54	0.84
P14	0.35	0.52	0.81

Standardized Indirect Effects of ETA on Y

	BB	FF	PP
B1	--	--	--

B2	--	--	--
B3	--	--	--
B4	--	--	--
B5	--	--	--
F6	--	--	--
F7	--	--	--
F8	--	--	--
F9	--	--	--
P10	0.14	0.20	--
P11	0.13	0.19	--
P12	0.71	1.04	--
P13	0.14	0.20	--
P14	0.14	0.21	--

Completely Standardized Indirect Effects of ETA on Y

	BB	FF	PP
B1	--	--	--
B2	--	--	--
B3	--	--	--
B4	--	--	--
B5	--	--	--
F6	--	--	--
F7	--	--	--
F8	--	--	--
F9	--	--	--
P10	0.36	0.52	--
P11	0.35	0.51	--
P12	0.36	0.53	--
P13	0.37	0.54	--
P14	0.35	0.52	--

Standardized Total Effects of KSI on Y

	TA	AA
B1	0.16	0.09
B2	0.18	0.10
B3	0.14	0.08
B4	0.17	0.10
B5	0.16	0.09
F6	0.08	0.18
F7	0.07	0.16
F8	0.08	0.17
F9	0.07	0.15
P10	0.16	0.02
P11	0.15	0.02
P12	0.80	0.11
P13	0.16	0.02
P14	0.16	0.02

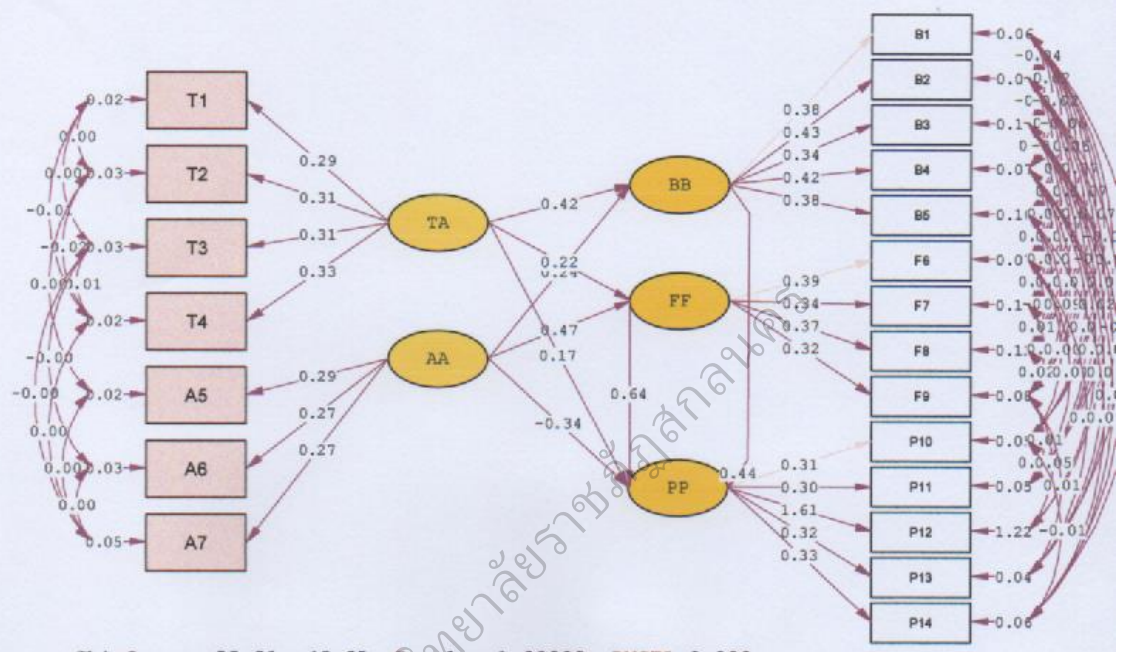
Completely Standardized Total Effects of KSI on Y

	TA	AA
B1	0.35	0.20
B2	0.38	0.22
B3	0.27	0.16
B4	0.35	0.20
B5	0.32	0.19
F6	0.18	0.39
F7	0.15	0.34
F8	0.16	0.34
F9	0.16	0.35
P10	0.40	0.05

P11	0.40	0.05
P12	0.41	0.05
P13	0.41	0.06
P14	0.40	0.05

Time used: 0.109 Seconds

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุพรรณ



Chi-Square=23.31, df=65, P-value=1.00000, RMSEA=0.000

บัณฑิตวิทยาลัย มหาวิทยาลัยราชภัฏสุราษฎร์ธานี