

ภาคผนวก ญ

ผลการวิเคราะห์รูปแบบความสัมพันธ์เชิงสาเหตุปัจจัยบทบาทการบริหาร
เทคโนโลยีสารสนเทศและการสื่อสารของผู้บริหารสถานศึกษาขั้นพื้นฐาน
ที่ส่งผลต่อประสิทธิผลของโรงเรียน

โดยใช้โปรแกรม LISREL for Version 8.52

บัณฑิตวิทยาลัย
มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

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BY

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The following lines were read from file D:\ISE\2\1\ISE.LPJ:

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TE=SY TD=SY
LE
LEA PLA PRD EFF
LK
VIS
FR LY(1,1) LY(2,1) LY(3,1) LY(4,1) LY(5,2) LY(6,2) LY(7,2) LY(8,3) LY(9,3)
FR LY(10,3) LY(11,4) LY(12,4) LY(13,4) LY(14,4) LX(1,1) LX(2,1) LX(3,1) LX(4,1)
FR BE(2,1) BE(3,1) BE(4,1) BE(4,2) BE(4,3) GA(1,1) GA(2,1) GA(3,1) GA(4,1)
FR TE 1 1 TE 2 2 TE 3 3 TE 4 4 TE 5 5 TE 6 6 TE 7 7 TE 8 8 TE 9 9 TE 10 10
FR TE 11 11 TE 12 12 TE 13 13 TE 14 14 TD 1 1 TD 2 2 TD 3 3 TD 4 4
FR TE 4 3 TE 6 5 TE 9 8 TE 3 2 TD 2 1 TE 4 2 TH 1 6 TE 12 2 TE 14 12 TE 14 11 TE
11 4
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12 6
FR TE 11 6 TE 13 1 TE 14 10 TE 12 3 TE 14 3
PD
OU ME=ML AM PC RS EF FS SS SC IT=250

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TI ISE

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Number of Input Variables 18
Number of Y - Variables 14
Number of X - Variables 4
Number of ETA - Variables 4
Number of KSI - Variables 1
Number of Observations 417

```

TI ISE

Covariance Matrix

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	0.25					
TEMY2	0.17	0.28				
TEAY3	0.16	0.19	0.28			
TEEY4	0.17	0.18	0.22	0.31		
PLSY5	0.08	0.07	0.06	0.05	0.25	
PLMY6	0.08	0.07	0.07	0.07	0.14	0.27
PLLY7	0.10	0.07	0.08	0.09	0.07	0.10

PDSY8	0.12	0.13	0.13	0.14	0.06	0.06
PDCY9	0.13	0.13	0.12	0.13	0.07	0.07
PDAY10	0.15	0.13	0.13	0.14	0.08	0.09
ACHY11	0.08	0.08	0.07	0.10	0.04	0.05
STUY12	0.09	0.11	0.09	0.09	0.04	0.05
SATY13	0.08	0.09	0.09	0.09	0.05	0.04
LORY14	0.10	0.09	0.10	0.10	0.06	0.06
CVIX1	0.15	0.13	0.13	0.13	0.06	0.05
PVIX2	0.16	0.14	0.14	0.13	0.06	0.07
FVIX3	0.17	0.13	0.13	0.14	0.06	0.08
PRTX4	0.16	0.14	0.14	0.15	0.05	0.07

Covariance Matrix

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	0.24					
PDSY8	0.08	0.31				
PDCY9	0.10	0.21	0.31			
PDAY10	0.10	0.16	0.19	0.29		
ACHY11	0.05	0.08	0.09	0.09	0.19	
STUY12	0.04	0.07	0.09	0.09	0.09	0.17
SATY13	0.04	0.08	0.08	0.09	0.08	0.11
LORY14	0.05	0.09	0.10	0.11	0.07	0.09
CVIX1	0.10	0.14	0.13	0.15	0.09	0.09
PVIX2	0.10	0.14	0.15	0.15	0.08	0.10
FVIX3	0.10	0.15	0.14	0.15	0.08	0.08
PRTX4	0.09	0.13	0.13	0.14	0.08	0.09

Covariance Matrix

	SATY13	LORY14	CVIX1	PVIX2	FVIX3	PRTX4
SATY13	0.17					
LORY14	0.11	0.22				
CVIX1	0.09	0.09	0.29			
PVIX2	0.11	0.11	0.22	0.35		
FVIX3	0.10	0.10	0.20	0.22	0.32	
PRTX4	0.09	0.11	0.19	0.20	0.22	0.28

TI ISE

Parameter Specifications

LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	0	0	0	0
TEMY2	1	0	0	0
TEAY3	2	0	0	0
TEEY4	3	0	0	0
PLSY5	0	0	0	0
PLMY6	0	4	0	0
PLLY7	0	5	0	0
PDSY8	0	0	0	0
PDCY9	0	0	6	0
PDAY10	0	0	7	0
ACHY11	0	0	0	0
STUY12	0	0	0	8
SATY13	0	0	0	9
LORY14	0	0	0	10

LAMBDA-X

VIS	

CVIX1	11
PVIX2	12
FVIX3	13
PRTX4	14

BETA

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
LEA	0	0	0	0
PLA	15	0	0	0
PRD	16	0	0	0
EFF	17	18	19	0

GAMMA

VIS	

LEA	20
PLA	21
PRD	22
EFF	23

PSI

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
	24	25	26	27

THETA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
	-----	-----	-----	-----	-----	-----
TELY1	28					
TEMY2	0	29				
TEAY3	0	30	31			
TEEY4	0	32	33	34		
PLSY5	0	0	0	0	35	
PLMY6	0	0	0	0	36	37
PLLY7	0	38	0	0	0	0
PDSY8	40	0	0	0	0	0
PDCY9	42	0	0	0	0	0
PDAY10	0	0	0	0	0	0
ACHY11	0	0	0	48	0	49
STUY12	0	51	52	0	0	53
SATY13	56	57	0	0	0	0
LORY14	0	0	60	0	0	0

THETA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
	-----	-----	-----	-----	-----	-----
PLLY7	39					
PDSY8	0	41				
PDCY9	43	44	45			
PDAY10	0	46	0	47		
ACHY11	0	0	0	0	50	
STUY12	0	54	0	0	0	55
SATY13	0	0	0	0	58	0
LORY14	0	0	0	61	62	63

THETA-EPS

	SATY13	LORY14
	-----	-----
SATY13	59	
LORY14	0	64

THETA-DELTA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
CVIX1	0	0	0	0	0	65
PVIX2	0	0	0	0	0	0
FVIX3	69	0	0	0	0	0
PRTX4	0	0	0	0	0	0

THETA-DELTA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
CVIX1	0	0	0	0	0	0
PVIX2	0	0	0	0	0	0
FVIX3	0	0	0	0	0	0
PRTX4	0	0	0	0	0	0

THETA-DELTA-EPS

	SATY13	LORY14
CVIX1	0	0
PVIX2	0	0
FVIX3	0	0
PRTX4	0	0

THETA-DELTA

	CVIX1	PVIX2	FVIX3	PRTX4
CVIX1	66			
PVIX2	67	68		
FVIX3	0	0	70	
PRTX4	0	0	71	72

TI ISE

Number of Iterations = 23

LISREL Estimates (Maximum Likelihood)

LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	0.43	--	--	--
TEMY2	0.39 (0.02) 15.85	--	--	--
TEAY3	0.37 (0.02) 15.13	--	--	--
TEEY4	0.39 (0.03) 15.05	--	--	--
PLSY5	--	0.22	--	--
PLMY6	--	0.29 (0.04) 8.08	--	--
PLLY7	--	0.35	--	--

			(0.06) 6.36	
PDSY8	--	--	0.42	--
PDCY9	--	--	0.43 (0.03) 14.54	--
PDAY10	--	--	0.44 (0.03) 12.78	--
ACHY11	--	--	--	0.29
STUY12	--	--	--	0.32 (0.03) 11.41
SATY13	--	--	--	0.32 (0.03) 11.92
LORY14	--	--	--	0.34 (0.03) 10.36

LAMBDA-X

	VIS

CVIX1	0.44 (0.02) 18.99
PVIX2	0.47 (0.03) 18.29
FVIX3	0.46 (0.02) 19.29
PRTX4	0.44 (0.02) 19.09

BETA

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
LEA	--	--	--	--
PLA	0.46 (0.13) 3.57	--	--	--
PRD	0.54 (0.10) 5.53	--	--	--
EFF	0.40 (0.13) 3.17	-0.13 (0.09) -1.51	0.20 (0.10) 2.03	--

GAMMA

	VIS
-----	-----
LEA	0.78
	(0.05)
	15.09
PLA	0.25
	(0.12)
	2.10
PRD	0.31
	(0.09)
	3.51
EFF	0.27
	(0.09)
	2.99

Covariance Matrix of ETA and KSI

	LEA	PLA	PRD	EFF	VIS
-----	-----	-----	-----	-----	-----
LEA	1.00				
PLA	0.66	1.00			
PRD	0.79	0.55	1.00		
EFF	0.68	0.41	0.64	1.00	
VIS	0.78	0.61	0.74	0.65	1.00

PHI

VIS

1.00

PSI

Note: This matrix is diagonal.

LEA	PLA	PRD	EFF
-----	-----	-----	-----
0.38	0.54	0.34	0.47
(0.05)	(0.16)	(0.07)	(0.08)
7.29	3.46	4.77	5.98

Squared Multiple Correlations for Structural Equations

LEA	PLA	PRD	EFF
-----	-----	-----	-----
0.62	0.46	0.66	0.53

Squared Multiple Correlations for Reduced Form

LEA	PLA	PRD	EFF
-----	-----	-----	-----
0.62	0.38	0.54	0.43

Reduced Form

VIS

LEA
0.78
(0.05)
15.09

PLA	0.61 (0.10) 6.14
PRD	0.74 (0.06) 12.04
EFF	0.65 (0.06) 10.24

THETA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	0.06 (0.01) 7.66					
TEMY2	--	0.13 (0.01) 11.70				
TEAY3	--	0.05 (0.01) 5.18	0.14 (0.01) 12.19			
TEEY4	--	0.03 (0.01) 3.24	0.08 (0.01) 7.65	0.16 (0.01) 12.23		
PLSY5	--	--	--	--	0.20 (0.02) 12.68	
PLMY6	--	--	--	--	0.07 (0.01) 5.78	0.19 (0.02) 11.40
PLLY7	--	-0.01 (0.01) -1.96	--	--	--	--
PDSY8	-0.03 (0.01) -3.90	--	--	--	--	--
PDCY9	-0.02 (0.01) -2.25	--	--	--	--	--
PDAY10	--	--	--	--	--	--
ACHY11	--	--	--	0.02 (0.01) 2.47	--	0.02 (0.01) 2.26
STUY12	--	0.02 (0.01) 3.63	0.01 (0.00) 1.79	--	--	0.02 (0.01) 2.60
SATY13	-0.01 (0.00) -2.13	0.01 (0.01) 1.34	--	--	--	--
LORY14	--	--	0.01	--	--	--

(0.01)
1.61

THETA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	0.11 (0.02) 6.94					
PDSY8	--	0.14 (0.02) 7.58				
PDCY9	0.02 (0.01) 2.12	0.03 (0.01) 2.48	0.13 (0.01) 9.92			
PDAY10	--	-0.02 (0.01) -2.20	--	0.10 (0.01) 7.76		
ACHY11	--	--	--	--	0.10 (0.01) 10.48	
STUY12	--	-0.01 (0.01) -2.44	--	--	--	0.07 (0.01) 9.28
SATY13	--	--	--	--	-0.02 (0.01) -2.50	--
LORY14	--	--	--	0.01 (0.01) 1.75	-0.03 (0.01) -3.55	-0.02 (0.01) -2.87

THETA-EPS

	SATY13	LORY14
SATY13	0.07 (0.01) 9.13	
LORY14	--	0.10 (0.01) 9.64

Squared Multiple Correlations for Y - Variables

TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
0.75	0.54	0.50	0.49	0.19	0.30

Squared Multiple Correlations for Y - Variables

PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
0.52	0.56	0.58	0.67	0.46	0.60

Squared Multiple Correlations for Y - Variables

	SATY13	LORY14				
	-----	-----				
	0.61	0.52				
THETA-DELTA-EPS						
	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
	-----	-----	-----	-----	-----	-----
CVIX1	--	--	--	--	--	-0.02 (0.01) -3.45
PVIX2	--	--	--	--	--	--
FVIX3	0.02 (0.01) 3.07	--	--	--	--	--
PRTX4	--	--	--	--	--	--

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
	-----	-----	-----	-----	-----	-----
CVIX1	--	--	--	--	--	--
PVIX2	--	--	--	--	--	--
FVIX3	--	--	--	--	--	--
PRTX4	--	--	--	--	--	--

	SATY13	LORY14				
	-----	-----				
CVIX1	--	--				
PVIX2	--	--				
FVIX3	--	--				
PRTX4	--	--				

	CVIX1	PVIX2	FVIX3	PRTX4
	-----	-----	-----	-----
CVIX1	0.10 (0.01) 9.77			
PVIX2	0.02 (0.01) 1.79	0.13 (0.01) 10.23		
FVIX3	--	--	0.10 (0.01) 9.57	
PRTX4	--	--	0.02 (0.01) 2.51	0.09 (0.01) 9.72

Squared Multiple Correlations for X - Variables

CVIX1	PVIX2	FVIX3	PRTX4
-------	-------	-------	-------

 0.66 0.63 0.68 0.67

Goodness of Fit Statistics

Degrees of Freedom = 99
 Minimum Fit Function Chi-Square = 99.98 (P = 0.45)
 Normal Theory Weighted Least Squares Chi-Square = 96.99 (P = 0.54)
 Estimated Non-centrality Parameter (NCP) = 0.0
 90 Percent Confidence Interval for NCP = (0.0 ; 24.99)

Minimum Fit Function Value = 0.24
 Population Discrepancy Function Value (F0) = 0.0
 90 Percent Confidence Interval for F0 = (0.0 ; 0.060)
 Root Mean Square Error of Approximation (RMSEA) = 0.0
 90 Percent Confidence Interval for RMSEA = (0.0 ; 0.025)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 1.00

Expected Cross-Validation Index (ECVI) = 0.58
 90 Percent Confidence Interval for ECVI = (0.58 ; 0.64)
 ECVI for Saturated Model = 0.82
 ECVI for Independence Model = 27.17

Chi-Square for Independence Model with 153 Degrees of Freedom = 11267.91
 Independence AIC = 11303.91
 Model AIC = 240.99
 Saturated AIC = 342.00
 Independence CAIC = 11394.51
 Model CAIC = 603.37
 Saturated CAIC = 1202.66

Normed Fit Index (NFI) = 0.99
 Non-Normed Fit Index (NNFI) = 1.00
 Parsimony Normed Fit Index (PNFI) = 0.64
 Comparative Fit Index (CFI) = 1.00
 Incremental Fit Index (IFI) = 1.00
 Relative Fit Index (RFI) = 0.99

Critical N (CN) = 561.26

Root Mean Square Residual (RMR) = 0.0067
 Standardized RMR = 0.026
 Goodness of Fit Index (GFI) = 0.97
 Adjusted Goodness of Fit Index (AGFI) = 0.96
 Parsimony Goodness of Fit Index (PGFI) = 0.56

TI ISE

Fitted Covariance Matrix

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	0.25					
TEMY2	0.17	0.28				
TEAY3	0.16	0.19	0.28			
TEEY4	0.17	0.18	0.22	0.31		
PLSY5	0.06	0.06	0.05	0.06	0.25	
PLMY6	0.08	0.07	0.07	0.07	0.14	0.27
PLLY7	0.10	0.08	0.09	0.09	0.08	0.10
PDSY8	0.11	0.13	0.12	0.13	0.05	0.07
PDCY9	0.13	0.13	0.12	0.13	0.05	0.07
PDAY10	0.15	0.14	0.13	0.14	0.05	0.07
ACHY11	0.09	0.08	0.07	0.09	0.03	0.05
STUY12	0.10	0.11	0.09	0.09	0.03	0.05
SATY13	0.09	0.09	0.08	0.09	0.03	0.04
LORY14	0.10	0.09	0.09	0.09	0.03	0.04
CVIX1	0.15	0.13	0.13	0.14	0.06	0.05
PVIX2	0.16	0.14	0.14	0.15	0.06	0.08
FVIX3	0.17	0.14	0.14	0.14	0.06	0.08

PRTX4	0.15	0.13	0.13	0.13	0.06	0.08
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Fitted Covariance Matrix

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	0.24					
PDSY8	0.08	0.31				
PDCY9	0.10	0.21	0.31			
PDAY10	0.09	0.16	0.19	0.29		
ACHY11	0.04	0.08	0.08	0.08	0.19	
STUY12	0.05	0.07	0.09	0.09	0.09	0.17
SATY13	0.05	0.09	0.09	0.09	0.08	0.10
LORY14	0.05	0.09	0.09	0.11	0.07	0.09
CVIX1	0.09	0.14	0.14	0.14	0.08	0.09
PVIX2	0.10	0.15	0.15	0.15	0.09	0.10
FVIX3	0.10	0.14	0.15	0.15	0.09	0.10
PRTX4	0.09	0.13	0.14	0.14	0.08	0.09

Fitted Covariance Matrix

	SATY13	LORY14	CVIX1	PVIX2	FVIX3	PRTX4
SATY13	0.17					
LORY14	0.11	0.22				
CVIX1	0.09	0.10	0.29			
PVIX2	0.10	0.10	0.22	0.35		
FVIX3	0.10	0.10	0.20	0.22	0.32	
PRTX4	0.09	0.10	0.19	0.21	0.22	0.28

Fitted Residuals

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	0.00					
TEMY2	0.00	0.00				
TEAY3	0.00	0.00	0.00			
TEEY4	0.00	0.00	0.00	0.00		
PLSY5	0.02	0.01	0.00	0.00	0.00	
PLMY6	0.00	-0.01	0.00	0.00	0.00	0.00
PLLY7	0.00	0.00	0.00	0.00	-0.01	0.00
PDSY8	0.00	0.00	0.01	0.01	0.01	0.00
PDCY9	0.00	0.00	0.00	0.00	0.02	0.01
PDAY10	0.00	-0.01	0.00	0.00	0.03	0.02
ACHY11	0.00	0.00	0.00	0.00	0.01	0.00
STUY12	-0.01	0.00	0.00	0.00	0.01	0.00
SATY13	0.00	0.00	0.00	0.00	0.02	0.00
LORY14	0.00	0.00	0.01	0.01	0.03	0.02
CVIX1	0.00	0.00	0.00	-0.01	0.00	0.00
PVIX2	0.00	0.00	0.00	-0.01	0.00	-0.01
FVIX3	0.00	-0.01	-0.01	0.00	-0.01	0.00
PRTX4	0.01	0.00	0.01	0.01	0.00	-0.01

Fitted Residuals

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	0.00					
PDSY8	0.00	0.00				
PDCY9	0.00	0.00	0.00			
PDAY10	0.01	0.00	0.00	0.00		
ACHY11	0.00	0.00	0.01	0.01	0.00	
STUY12	-0.01	0.00	0.00	-0.01	0.00	0.00
SATY13	-0.01	-0.01	-0.01	0.00	0.00	0.00
LORY14	0.00	0.00	0.01	0.00	0.00	0.00
CVIX1	0.01	0.00	-0.01	0.00	0.00	-0.01
PVIX2	0.00	0.00	0.01	0.00	-0.01	0.00
FVIX3	0.00	0.01	0.00	0.00	0.00	-0.02
PRTX4	0.00	-0.01	0.00	0.00	0.00	0.00

Fitted Residuals

	SATY13	LORY14	CVIX1	PVIX2	FVIX3	PRTX4
SATY13	0.00					
LORY14	0.00	0.00				
CVIX1	0.00	-0.01	0.00			
PVIX2	0.01	0.01	0.00	0.00		
FVIX3	0.00	0.00	0.00	0.00	0.00	
PRTX4	0.00	0.01	0.00	0.00	0.00	0.00

Summary Statistics for Fitted Residuals

Smallest Fitted Residual = -0.02
 Median Fitted Residual = 0.00
 Largest Fitted Residual = 0.03

Stemleaf Plot

```

-14|12
-12|91
-10|1
- 8|820
- 6|953554420
- 4|98862000987653221
- 2|77766520009988764332111
0|97533211009887544432210000000
0|11223455677789999000001112345699
2|0224556678899058889
4|4660257
6|151455
8|43
10|0133
12|02569
14|4423
16|37
18|9
20|
22|
24|
26|4
28|5

```

Standardized Residuals

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	-2.21					
TEMY2	-0.34	0.07				
TEAY3	-1.79	0.18	0.61			
TEEY4	-0.73	0.49	0.12	-0.30		
PLSY5	2.27	1.37	0.27	-0.51	-	
PLMY6	0.03	-0.97	-0.59	-0.41	0.23	-0.37
PLLY7	-1.18	-1.47	-0.44	-0.47	-1.57	0.41
PDSY8	1.57	0.00	1.61	0.81	1.31	-0.41
PDCY9	-0.70	-0.54	-0.28	0.18	1.45	0.51
PDAY10	-0.76	-1.06	0.60	0.14	2.82	1.75
ACHY11	-0.60	-0.22	-0.39	0.08	1.59	0.56
STUY12	-1.57	-0.68	-0.11	0.53	1.54	-0.15
SATY13	-0.14	0.22	0.64	0.80	2.34	0.13
LORY14	0.41	0.13	1.06	0.94	3.00	1.85
CVIX1	0.61	-0.58	-0.44	-1.40	0.11	-0.61
PVIX2	-0.24	-0.36	-0.14	-1.59	-0.27	-1.62
FVIX3	-0.90	-2.14	-1.16	-0.56	-0.71	-0.04
PRTX4	2.45	0.73	1.51	1.92	-0.51	-0.79

Standardized Residuals

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	0.00					
PDSY8	0.31	0.92				

PDCY9	0.72	0.66	0.95			
PDAY10	1.82	1.45	1.97	1.61		
ACHY11	0.65	-0.14	1.02	1.27	-0.51	
STUY12	-1.43	-1.11	-0.38	-1.08	-0.39	-0.73
SATY13	-1.33	-0.99	-1.12	-0.99	0.53	0.83
LORY14	0.10	0.15	1.01	0.81	0.99	-0.14
CVIX1	1.22	0.04	-0.82	0.70	0.33	-1.09
PVIX2	0.36	-0.23	0.88	-0.45	-1.15	0.47
FVIX3	-0.61	0.86	-0.32	0.35	-0.69	-2.66
PRTX4	-0.19	-1.14	-0.37	-0.55	0.00	0.26

Standardized Residuals

	SATY13	LORY14	CVIX1	PVIX2	FVIX3	PRTX4
SATY13	-0.15					
LORY14	-1.25	-0.35				
CVIX1	0.38	-0.94	0.98			
PVIX2	1.52	1.44	1.35	- -		
FVIX3	-0.24	0.40	0.02	1.33	1.35	
PRTX4	-0.88	1.78	0.21	-1.16	1.23	- -

Summary Statistics for Standardized Residuals

Smallest Standardized Residual = -2.66
 Median Standardized Residual = 0.00
 Largest Standardized Residual = 3.00

Stemleaf Plot

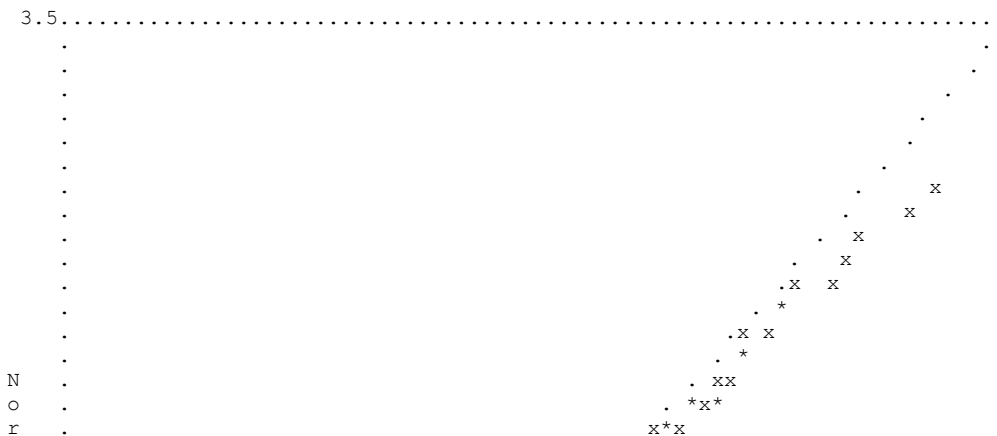
```

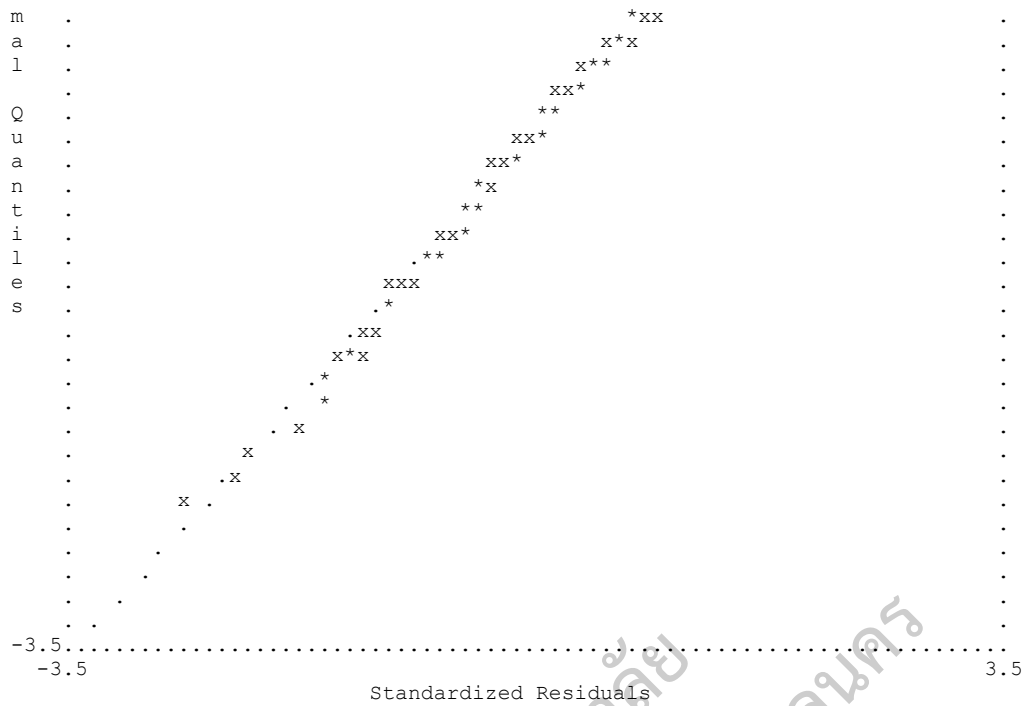
- 2|7
- 2|21
- 1|866665
- 1|44332221111111000
- 0|99988877777666666655555
- 0|4444444444433333222211111000000000
0|111111122222333344444
0|555566666777788889999
1|000012233344444
1|5555666688899
2|033
2|58
3|0
    
```

Largest Negative Standardized Residuals
 Residual for FVIX3 and STUY12 -2.66
 Largest Positive Standardized Residuals
 Residual for PDAY10 and PLSY5 2.82
 Residual for LORY14 and PLSY5 3.00

TI ISE

Qplot of Standardized Residuals





TI ISE

Modification Indices and Expected Change

Modification Indices for LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	- -	0.02	1.42	0.54
TEMY2	- -	0.16	0.80	0.15
TEAY3	- -	0.02	1.07	0.01
TEEY4	- -	0.63	0.02	0.89
PLSY5	7.17	- -	6.51	8.80
PLMY6	2.61	- -	0.70	0.62
PLLY7	4.53	- -	0.22	3.19
PDSY8	1.05	0.05	- -	0.89
PDCY9	0.32	0.05	- -	0.63
PDAY10	0.15	5.18	- -	0.06
ACHY11	0.04	0.98	1.62	- -
STUY12	1.03	1.77	1.16	- -
SATY13	0.07	0.26	1.50	- -
LORY14	1.23	1.44	1.81	- -

Expected Change for LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	- -	-0.01	-0.08	-0.03
TEMY2	- -	-0.02	-0.04	-0.01
TEAY3	- -	0.00	0.04	0.00
TEEY4	- -	-0.03	-0.01	0.03
PLSY5	0.11	- -	0.08	0.08
PLMY6	-0.08	- -	-0.03	-0.03
PLLY7	-0.29	- -	0.02	-0.08
PDSY8	0.13	-0.01	- -	-0.04
PDCY9	-0.06	-0.01	- -	0.03
PDAY10	-0.05	0.09	- -	-0.01
ACHY11	0.01	0.03	0.05	- -
STUY12	-0.04	-0.03	-0.04	- -
SATY13	-0.01	-0.01	-0.04	- -
LORY14	0.05	0.04	0.06	- -

Standardized Expected Change for LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	- -	-0.01	-0.08	-0.03
TEMY2	- -	-0.02	-0.04	-0.01
TEAY3	- -	0.00	0.04	0.00
TEEY4	- -	-0.03	-0.01	0.03
PLSY5	0.11	- -	0.08	0.08
PLMY6	-0.08	- -	-0.03	-0.03
PLLY7	-0.29	- -	0.02	-0.08
PDSY8	0.13	-0.01	- -	-0.04
PDCY9	-0.06	-0.01	- -	0.03
PDAY10	-0.05	0.09	- -	-0.01
ACHY11	0.01	0.03	0.05	- -
STUY12	-0.04	-0.03	-0.04	- -
SATY13	-0.01	-0.01	-0.04	- -
LORY14	0.05	0.04	0.06	- -

Completely Standardized Expected Change for LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	- -	-0.01	-0.16	-0.06
TEMY2	- -	-0.04	-0.08	-0.03
TEAY3	- -	0.01	0.07	0.01
TEEY4	- -	-0.05	-0.01	0.05
PLSY5	0.21	- -	0.16	0.16
PLMY6	-0.16	- -	-0.06	-0.05
PLLY7	-0.60	- -	0.05	-0.16
PDSY8	0.23	-0.02	- -	-0.07
PDCY9	-0.11	-0.02	- -	0.05
PDAY10	-0.09	0.16	- -	-0.02
ACHY11	0.02	0.07	0.10	- -
STUY12	-0.10	-0.08	-0.09	- -
SATY13	-0.03	-0.03	-0.10	- -
LORY14	0.10	0.08	0.12	- -

No Non-Zero Modification Indices for LAMBDA-X

Modification Indices for BETA

	LEA	PLA	PRD	EFF
LEA	- -	- -	- -	- -
PLA	- -	- -	3.59	3.59
PRD	- -	3.59	- -	3.59
EFF	- -	- -	- -	- -

Expected Change for BETA

	LEA	PLA	PRD	EFF
LEA	- -	- -	- -	- -
PLA	- -	- -	0.25	1.25
PRD	- -	0.16	- -	-1.22
EFF	- -	- -	- -	- -

Standardized Expected Change for BETA

	LEA	PLA	PRD	EFF
LEA	- -	- -	- -	- -
PLA	- -	- -	0.25	1.25
PRD	- -	0.16	- -	-1.22
EFF	- -	- -	- -	- -

No Non-Zero Modification Indices for GAMMA

No Non-Zero Modification Indices for PHI

TELY1	- -						
TEMY2	0.01	- -					
TEAY3	-0.01	- -	- -				
TEEY4	0.00	- -	- -	- -			
PLSY5	0.01	0.01	0.00	-0.01	- -		
PLMY6	0.00	-0.01	0.00	0.00	- -	- -	
PLLY7	-0.01	- -	0.00	0.00	-0.02	0.02	
PDSY8	- -	0.00	0.01	0.00	0.01	-0.01	
PDCY9	- -	0.00	-0.01	0.00	0.00	0.00	
PDAY10	-0.01	0.00	0.01	0.00	0.01	0.01	
ACHY11	0.00	0.00	0.00	- -	0.00	- -	
STUY12	0.00	- -	- -	0.01	0.00	- -	
SATY13	- -	- -	0.00	0.00	0.01	0.00	
LORY14	0.00	0.00	- -	0.00	0.01	0.00	

Expected Change for THETA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	- -					
PDSY8	0.00	- -				
PDCY9	- -	- -	- -			
PDAY10	0.01	- -	- -	- -		
ACHY11	0.01	0.00	0.00	0.01	- -	
STUY12	-0.01	- -	0.00	0.00	0.00	- -
SATY13	0.00	0.00	-0.01	0.00	- -	0.01
LORY14	0.00	0.00	0.01	- -	- -	- -

Expected Change for THETA-EPS

	SATY13	LORY14
SATY13	- -	
LORY14	-0.01	- -

Completely Standardized Expected Change for THETA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	- -					
TEMY2	0.03	- -				
TEAY3	-0.02	- -	- -			
TEEY4	0.01	- -	- -	- -		
PLSY5	0.04	0.02	0.00	-0.04	- -	
PLMY6	-0.01	-0.02	0.00	0.01	- -	- -
PLLY7	-0.03	- -	0.01	0.00	-0.07	0.09
PDSY8	- -	-0.01	0.03	0.00	0.02	-0.03
PDCY9	- -	0.01	-0.02	0.01	0.00	0.00
PDAY10	-0.03	-0.02	0.02	-0.01	0.02	0.02
ACHY11	-0.01	0.01	-0.02	- -	0.02	- -
STUY12	-0.01	- -	- -	0.02	0.00	- -
SATY13	- -	- -	0.01	0.00	0.03	-0.02
LORY14	0.00	-0.01	- -	0.01	0.04	0.02

Completely Standardized Expected Change for THETA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	- -					
PDSY8	-0.01	- -				
PDCY9	- -	- -	- -			
PDAY10	0.04	- -	- -	- -		
ACHY11	0.03	-0.02	0.02	0.04	- -	
STUY12	-0.03	- -	0.01	-0.02	-0.02	- -
SATY13	-0.02	0.00	-0.02	-0.01	- -	0.05
LORY14	-0.02	-0.02	0.03	- -	- -	- -

Completely Standardized Expected Change for THETA-EPS

	SATY13	LORY14
	- -	- -

SATY13 - -
LORY14 -0.06 - -

Modification Indices for THETA-DELTA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
CVIX1	0.32	0.00	0.11	1.94	0.10	- -
PVIX2	0.15	0.07	0.34	1.74	0.01	1.61
FVIX3	- -	1.69	0.32	0.06	2.85	2.82
PRTX4	0.93	0.28	0.00	3.03	0.16	0.26

Modification Indices for THETA-DELTA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
CVIX1	1.79	0.18	2.11	1.93	1.72	0.88
PVIX2	0.19	0.36	2.33	1.37	2.72	1.27
FVIX3	0.33	1.91	0.34	0.70	0.00	4.43
PRTX4	0.07	1.59	0.20	1.67	0.09	2.70

Modification Indices for THETA-DELTA-EPS

	SATY13	LORY14
CVIX1	1.06	5.07
PVIX2	0.93	0.72
FVIX3	1.44	0.09
PRTX4	5.56	3.47

Expected Change for THETA-DELTA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
CVIX1	0.00	0.00	0.00	-0.01	0.00	- -
PVIX2	0.00	0.00	0.00	-0.01	0.00	-0.01
FVIX3	- -	-0.01	0.00	0.00	-0.01	0.01
PRTX4	0.01	0.00	0.00	0.01	0.00	0.00

Expected Change for THETA-DELTA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
CVIX1	0.01	0.00	-0.01	0.01	0.01	0.00
PVIX2	0.00	0.00	0.01	-0.01	-0.01	0.01
FVIX3	0.00	0.01	0.00	0.01	0.00	-0.01
PRTX4	0.00	-0.01	0.00	-0.01	0.00	0.01

Expected Change for THETA-DELTA-EPS

	SATY13	LORY14
CVIX1	0.00	-0.01
PVIX2	0.01	0.01
FVIX3	0.01	0.00
PRTX4	-0.01	0.01

Completely Standardized Expected Change for THETA-DELTA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
CVIX1	0.01	0.00	0.01	-0.03	-0.01	- -
PVIX2	-0.01	0.01	0.01	-0.03	0.00	-0.03
FVIX3	- -	-0.03	-0.01	0.00	-0.04	0.04
PRTX4	0.02	0.01	0.00	0.03	-0.01	-0.01

Completely Standardized Expected Change for THETA-DELTA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
CVIX1	0.04	0.01	-0.03	0.03	0.03	-0.02

PVIX2	0.01	-0.01	0.03	-0.03	-0.04	0.03
FVIX3	-0.01	0.03	-0.01	0.02	0.00	-0.04
PRTX4	-0.01	-0.03	0.01	-0.03	-0.01	0.03

Completely Standardized Expected Change for THETA-DELTA-EPS

	SATY13	LORY14
CVIX1	0.02	-0.05
PVIX2	0.02	0.02
FVIX3	0.03	-0.01
PRTX4	-0.05	0.04

Modification Indices for THETA-DELTA

	CVIX1	PVIX2	FVIX3	PRTX4
CVIX1	- -	- -	- -	- -
PVIX2	- -	- -	- -	- -
FVIX3	0.02	1.57	- -	- -
PRTX4	0.03	1.43	- -	- -

Expected Change for THETA-DELTA

	CVIX1	PVIX2	FVIX3	PRTX4
CVIX1	- -	- -	- -	- -
PVIX2	- -	- -	- -	- -
FVIX3	0.00	0.01	- -	- -
PRTX4	0.00	-0.01	- -	- -

Completely Standardized Expected Change for THETA-DELTA

	CVIX1	PVIX2	FVIX3	PRTX4
CVIX1	- -	- -	- -	- -
PVIX2	- -	- -	- -	- -
FVIX3	0.00	0.03	- -	- -
PRTX4	0.00	-0.03	- -	- -

TI ISE

Factor Scores Regressions

ETA

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
LEA	0.92	0.25	0.12	0.17	0.01	0.05
PLA	0.23	0.20	0.00	0.04	0.16	0.42
PRD	0.38	-0.01	0.01	0.01	0.01	0.01
EFF	0.25	-0.12	-0.02	0.00	0.05	-0.12

ETA

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
LEA	0.12	0.22	0.07	0.09	0.03	0.00
PLA	0.94	0.10	-0.08	0.08	-0.06	-0.12
PRD	-0.01	0.51	0.32	0.70	0.01	0.11
EFF	0.00	0.13	0.01	-0.02	0.56	0.72

ETA

	SATY13	LORY14	CVIX1	PVIX2	FVIX3	PRTX4
LEA	0.18	0.03	0.10	0.07	-0.08	0.11
PLA	0.03	-0.03	0.18	0.04	0.03	0.08
PRD	0.09	-0.04	0.06	0.04	-0.01	0.07
EFF	0.66	0.60	0.01	0.04	0.00	0.05

KSI						
	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
VIS	0.09	0.04	0.02	0.03	-0.01	0.08

KSI						
	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
VIS	0.06	0.07	0.03	0.08	0.03	0.04

KSI						
	SATY13	LORY14	CVIX1	PVIX2	FVIX3	PRTX4
VIS	0.07	0.04	0.45	0.34	0.39	0.41

TI ISE

Standardized Solution

LAMBDA-Y				
	LEA	PLA	PRD	EFF
TELY1	0.43	--	--	--
TEMY2	0.39	--	--	--
TEAY3	0.37	--	--	--
TEEY4	0.39	--	--	--
PLSY5	--	0.22	--	--
PLMY6	--	0.29	--	--
PLLY7	--	0.35	--	--
PDSY8	--	--	0.42	--
PDCY9	--	--	0.43	--
PDAY10	--	--	0.44	--
ACHY11	--	--	--	0.29
STUY12	--	--	--	0.32
SATY13	--	--	--	0.32
LORY14	--	--	--	0.34

LAMBDA-X	
	VIS
CVIX1	0.44
PVIX2	0.47
FVIX3	0.46
PRTX4	0.44

BETA				
	LEA	PLA	PRD	EFF
LEA	--	--	--	--
PLA	0.46	--	--	--
PRD	0.54	--	--	--
EFF	0.40	-0.13	0.20	--

GAMMA	
	VIS
LEA	0.78
PLA	0.25
PRD	0.31
EFF	0.27

Correlation Matrix of ETA and KSI

	LEA	PLA	PRD	EFF	VIS
LEA	1.00				
PLA	0.66	1.00			
PRD	0.79	0.55	1.00		
EFF	0.68	0.41	0.64	1.00	
VIS	0.78	0.61	0.74	0.65	1.00

PSI

Note: This matrix is diagonal.

	LEA	PLA	PRD	EFF
	0.38	0.54	0.34	0.47

Regression Matrix ETA on KSI (Standardized)

	VIS
LEA	0.78
PLA	0.61
PRD	0.74
EFF	0.65

TI ISE

Completely Standardized Solution

LAMBDA-Y

	LEA	PLA	PRD	EFF
TELY1	0.86	-	-	-
TEMY2	0.73	-	-	-
TEAY3	0.71	-	-	-
TEEY4	0.70	-	-	-
PLSY5	-	0.44	-	-
PLMY6	-	0.55	-	-
PLLY7	-	0.72	-	-
PDSY8	-	-	0.75	-
PDCY9	-	-	0.76	-
PDAY10	-	-	0.82	-
ACHY11	-	-	-	0.68
STUY12	-	-	-	0.78
SATY13	-	-	-	0.78
LORY14	-	-	-	0.72

LAMBDA-X

	VIS
CVIX1	0.81
PVIX2	0.80
FVIX3	0.82
PRTX4	0.82

BETA

	LEA	PLA	PRD	EFF
LEA	-	-	-	-
PLA	0.46	-	-	-
PRD	0.54	-	-	-
EFF	0.40	-0.13	0.20	-

GAMMA

	VIS
LEA	0.78
PLA	0.25

PRD 0.31
EFF 0.27

Correlation Matrix of ETA and KSI

	LEA	PLA	PRD	EFF	VIS
LEA	1.00				
PLA	0.66	1.00			
PRD	0.79	0.55	1.00		
EFF	0.68	0.41	0.64	1.00	
VIS	0.78	0.61	0.74	0.65	1.00

PSI

Note: This matrix is diagonal.

	LEA	PLA	PRD	EFF
	0.38	0.54	0.34	0.47

THETA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
TELY1	0.25					
TEMY2	-	0.46				
TEAY3	-	0.16	0.50			
TEEY4	-	0.10	0.26	0.51		
PLSY5	-	-	-	-	0.81	
PLMY6	-	-	-	-	0.28	0.70
PLLY7	-	-0.05	-	-	-	-
PDSY8	-0.10	-	-	-	-	-
PDCY9	-0.06	-	-	-	-	-
PDAY10	-	-	-	-	-	-
ACHY11	-	-	-	0.06	-	0.08
STUY12	-	0.10	0.04	-	-	0.08
SATY13	-0.05	0.03	-	-	-	-
LORY14	-	-	0.04	-	-	-

THETA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
PLLY7	0.48					
PDSY8	-	0.44				
PDCY9	0.06	0.10	0.42			
PDAY10	-	-0.08	-	0.33		
ACHY11	-	-	-	-	0.54	
STUY12	-	-0.06	-	-	-	0.40
SATY13	-	-	-	-	-0.09	-
LORY14	-	-	-	0.05	-0.14	-0.10

THETA-EPS

	SATY13	LORY14
SATY13	0.39	
LORY14	-	0.48

THETA-DELTA-EPS

	TELY1	TEMY2	TEAY3	TEEY4	PLSY5	PLMY6
CVIX1	-	-	-	-	-	-0.09
PVIX2	-	-	-	-	-	-
FVIX3	0.06	-	-	-	-	-
PRTX4	-	-	-	-	-	-

THETA-DELTA-EPS

	PLLY7	PDSY8	PDCY9	PDAY10	ACHY11	STUY12
--	-------	-------	-------	--------	--------	--------

CVIX1	- -	- -	- -	- -	- -	- -
PVIX2	- -	- -	- -	- -	- -	- -
FVIX3	- -	- -	- -	- -	- -	- -
PRTX4	- -	- -	- -	- -	- -	- -

THETA-DELTA-EPS

	SATY13	LORY14
CVIX1	- -	- -
PVIX2	- -	- -
FVIX3	- -	- -
PRTX4	- -	- -

THETA-DELTA

	CVIX1	PVIX2	FVIX3	PRTX4
CVIX1	0.34			
PVIX2	0.05	0.37		
FVIX3	- -	- -	0.32	
PRTX4	- -	- -	0.07	0.33

Regression Matrix ETA on KSI (Standardized)

	VIS
LEA	0.78
PLA	0.61
PRD	0.74
EFF	0.65

TI ISE

Total and Indirect Effects

Total Effects of KSI on ETA

	VIS
LEA	0.78 (0.05) 15.09
PLA	0.61 (0.10) 6.14
PRD	0.74 (0.06) 12.04
EFF	0.65 (0.06) 10.24

Indirect Effects of KSI on ETA

	VIS
LEA	- -
PLA	0.36 (0.10) 3.52
PRD	0.43 (0.08) 5.39

EFF 0.38
 (0.08)
 4.82

Total Effects of ETA on ETA

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
LEA	- -	- -	- -	- -
PLA	0.46 (0.13) 3.57	- -	- -	- -
PRD	0.54 (0.10) 5.53	- -	- -	- -
EFF	0.45 (0.09) 4.78	-0.13 (0.09) -1.51	0.20 (0.10) 2.03	- -

Largest Eigenvalue of B*B' (Stability Index) is 0.685

Indirect Effects of ETA on ETA

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
LEA	- -	- -	- -	- -
PLA	- -	- -	- -	- -
PRD	- -	- -	- -	- -
EFF	0.05 (0.07) 0.66	- -	- -	- -

Total Effects of ETA on Y

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
TELY1	0.43	- -	- -	- -
TEMY2	0.39 (0.02) 15.85	- -	- -	- -
TEAY3	0.37 (0.02) 15.13	- -	- -	- -
TEEY4	0.39 (0.03) 15.05	- -	- -	- -
PLSY5	0.10 (0.03) 3.57	0.22	- -	- -
PLMY6	0.13 (0.04) 3.73	0.29 (0.04) 8.08	- -	- -
PLLY7	0.16 (0.04) 3.91	0.35 (0.06) 6.36	- -	- -

PDSY8	0.23 (0.04) 5.53	--	0.42	--
PDCY9	0.23 (0.04) 5.61	--	0.43 (0.03) 14.54	--
PDAY10	0.24 (0.04) 5.85	--	0.44 (0.03) 12.78	--
ACHY11	0.13 (0.03) 4.78	-0.04 (0.03) -1.51	0.06 (0.03) 2.03	0.29
STUY12	0.14 (0.03) 4.92	-0.04 (0.03) -1.51	0.07 (0.03) 2.03	0.32 (0.03) 11.41
SATY13	0.14 (0.03) 4.88	-0.04 (0.03) -1.51	0.07 (0.03) 2.03	0.32 (0.03) 11.92
LORY14	0.15 (0.03) 4.91	-0.04 (0.03) -1.51	0.07 (0.03) 2.02	0.34 (0.03) 10.36

Indirect Effects of ETA on Y

	LEA	PLA	PRD	EFF
TELY1	--	--	--	--
TEMY2	--	--	--	--
TEAY3	--	--	--	--
TEEY4	--	--	--	--
PLSY5	0.10 (0.03) 3.57	--	--	--
PLMY6	0.13 (0.04) 3.73	--	--	--
PLLY7	0.16 (0.04) 3.91	--	--	--
PDSY8	0.23 (0.04) 5.53	--	--	--
PDCY9	0.23 (0.04) 5.61	--	--	--
PDAY10	0.24 (0.04) 5.85	--	--	--
ACHY11	0.13 (0.03) 4.78	-0.04 (0.03) -1.51	0.06 (0.03) 2.03	--
STUY12	0.14	-0.04	0.07	--

	(0.03)	(0.03)	(0.03)	
	4.92	-1.51	2.03	
SATY13	0.14	-0.04	0.07	- -
	(0.03)	(0.03)	(0.03)	
	4.88	-1.51	2.03	
LORY14	0.15	-0.04	0.07	- -
	(0.03)	(0.03)	(0.03)	
	4.91	-1.51	2.02	

Total Effects of KSI on Y

	VIS

TELY1	0.34 (0.02) 15.09
TEMY2	0.31 (0.02) 12.97
TEAY3	0.29 (0.02) 12.56
TEEY4	0.31 (0.02) 12.52
PLSY5	0.13 (0.02) 6.14
PLMY6	0.18 (0.02) 7.21
PLLY7	0.22 (0.02) 9.10
PDSY8	0.31 (0.03) 12.04
PDCY9	0.31 (0.03) 12.19
PDAY10	0.33 (0.02) 13.19
ACHY11	0.19 (0.02) 10.24
STUY12	0.21 (0.02) 11.28
SATY13	0.21 (0.02) 11.27
LORY14	0.22 (0.02) 10.76

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TI ISE

Standardized Total and Indirect Effects

Standardized Total Effects of KSI on ETA

	VIS
LEA	0.78
PLA	0.61
PRD	0.74
EFF	0.65

Standardized Indirect Effects of KSI on ETA

	VIS
LEA	- -
PLA	0.36
PRD	0.43
EFF	0.38

Standardized Total Effects of ETA on ETA

	LEA	PLA	PRD	EFF
LEA	- -	- -	- -	- -
PLA	0.46	- -	- -	- -
PRD	0.54	- -	- -	- -
EFF	0.45	-0.13	0.20	- -

Standardized Indirect Effects of ETA on ETA

	LEA	PLA	PRD	EFF
LEA	- -	- -	- -	- -
PLA	- -	- -	- -	- -
PRD	- -	- -	- -	- -
EFF	0.05	- -	- -	- -

Standardized Total Effects of ETA on Y

	LEA	PLA	PRD	EFF
TELY1	0.43	- -	- -	- -
TEMY2	0.39	- -	- -	- -
TEAY3	0.37	- -	- -	- -
TEEY4	0.39	- -	- -	- -
PLSY5	0.10	0.22	- -	- -
PLMY6	0.13	0.29	- -	- -
PLLY7	0.16	0.35	- -	- -
PDSY8	0.23	- -	0.42	- -
PDCY9	0.23	- -	0.43	- -
PDAY10	0.24	- -	0.44	- -
ACHY11	0.13	-0.04	0.06	0.29
STUY12	0.14	-0.04	0.07	0.32
SATY13	0.14	-0.04	0.07	0.32
LORY14	0.15	-0.04	0.07	0.34

Completely Standardized Total Effects of ETA on Y

	LEA	PLA	PRD	EFF
TELY1	0.86	- -	- -	- -
TEMY2	0.73	- -	- -	- -
TEAY3	0.71	- -	- -	- -
TEEY4	0.70	- -	- -	- -
PLSY5	0.20	0.44	- -	- -
PLMY6	0.26	0.55	- -	- -

PLLY7	0.33	0.72	- -	- -
PDSY8	0.41	- -	0.75	- -
PDCY9	0.41	- -	0.76	- -
PDAY10	0.45	- -	0.82	- -
ACHY11	0.30	-0.09	0.14	0.68
STUY12	0.35	-0.10	0.16	0.78
SATY13	0.35	-0.10	0.16	0.78
LORY14	0.32	-0.10	0.15	0.72

Standardized Indirect Effects of ETA on Y

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
TELY1	- -	- -	- -	- -
TEMY2	- -	- -	- -	- -
TEAY3	- -	- -	- -	- -
TEEY4	- -	- -	- -	- -
PLSY5	0.10	- -	- -	- -
PLMY6	0.13	- -	- -	- -
PLLY7	0.16	- -	- -	- -
PDSY8	0.23	- -	- -	- -
PDCY9	0.23	- -	- -	- -
PDAY10	0.24	- -	- -	- -
ACHY11	0.13	-0.04	0.06	- -
STUY12	0.14	-0.04	0.07	- -
SATY13	0.14	-0.04	0.07	- -
LORY14	0.15	-0.04	0.07	- -

Completely Standardized Indirect Effects of ETA on Y

	LEA	PLA	PRD	EFF
	-----	-----	-----	-----
TELY1	- -	- -	- -	- -
TEMY2	- -	- -	- -	- -
TEAY3	- -	- -	- -	- -
TEEY4	- -	- -	- -	- -
PLSY5	0.20	- -	- -	- -
PLMY6	0.26	- -	- -	- -
PLLY7	0.33	- -	- -	- -
PDSY8	0.41	- -	- -	- -
PDCY9	0.41	- -	- -	- -
PDAY10	0.45	- -	- -	- -
ACHY11	0.30	-0.09	0.14	- -
STUY12	0.35	-0.10	0.16	- -
SATY13	0.35	-0.10	0.16	- -
LORY14	0.32	-0.10	0.15	- -

Standardized Total Effects of KSI on Y

	VIS

TELY1	0.34
TEMY2	0.31
TEAY3	0.29
TEEY4	0.31
PLSY5	0.13
PLMY6	0.18
PLLY7	0.22
PDSY8	0.31
PDCY9	0.31
PDAY10	0.33
ACHY11	0.19
STUY12	0.21
SATY13	0.21
LORY14	0.22

Completely Standardized Total Effects of KSI on Y

	VIS

TELY1	0.68

TEMY2	0.58
TEAY3	0.55
TEEY4	0.55
PLSY5	0.27
PLMY6	0.34
PLLY7	0.44
PDSY8	0.55
PDCY9	0.56
PDAY10	0.60
ACHY11	0.44
STUY12	0.51
SATY13	0.51
LORY14	0.47

Time used: 0.094 Seconds

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