

ภาคผนวก จ

ผลการวิเคราะห์รูปแบบโมเดลความสัมพันธ์เชิงสาเหตุ

มหาวิทยาลัยราชภัฏสุราษฎร์ธานี

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BY

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The following lines were read from file

C:\Users\Tong\Desktop\tong\Model.LPJ:

TI

IDA NI=26 NO=640 NG=1 MA=CM

SY='C:\Users\Tong\Desktop\tong\Model.DSF' NG=1

SE

2 3 4 5 6 17 18 19 20 21 22 23 24 25 26 7 8 9 10 11 12 13 14 15 16 /
 MO NX=10 NY=15 NK=2 NE=3 LY=FU,FI LX=FU,FI BE=FU,FI GA=FU,FI
 PH=SY,FR PS=SY TE=SY TD=SY
 LE
 E3 E1 E2
 LK
 K1 K2
 FR LY(2,1) LY(3,1) LY(4,1) LY(5,1) LY(7,2) LY(8,2) LY(9,2) LY(10,2) LY(12,3)
 FR LY(13,3) LY(14,3) LY(15,3) LX(1,1) LX(2,1) LX(3,1) LX(4,1) LX(5,1) LX(6,2)
 LY(1,1) LY(6,2) LY(11,3)
 FR LX(7,2) LX(8,2) LX(9,2) LX(10,2) BE(1,2) BE(1,3) GA(1,1) GA(1,2) GA(2,1)
 FR GA(2,2) GA(3,1) GA(3,2) TE 3 1 TE 3,2 TE 2,1 TE 12,11 TH 2 14 TE 10,9
 FR TE 13,10 TD 10 9 TE 12,9 TH 8,8 TH 8,11 TH 8,2 TH 2 11 TH 7 8 TH 3 12
 FR TE 14,5 TH 10 14 TH 1 15 PS 3 2 TH 3 2 TH 8,5 TH 7,3 TH 3 14 TD 5 2
 FR TD 10 2 TD 8 5 TD 8 2 TH 9 11 TH 1,4 TE 2 7 TH 10,6 TH 1,5 TE 8,7 TE 5 4
 FR TH 1 7 TE 15 4 TH 6 10 TH 6,2 TE 11,10 TH 9,2 TE 12,10 TH 8,6 TH 9,6
 FR TH 2,6 TE 7,6 TE 8,6 TH 4,6 TE 8,1 TD 4 3 TH 4,2 TD 3 2 TH 10,7 TH 2,2
 FR TH 4 7 TD 6 5 TH 2 7 TH 4 12 TH 4 11 TH 6 12 TH 1 1 TE 15 1 TH 7 11
 FR TH 9 13 TH 6 3 TE 10,3 TH 7,1 TD 9 3 TD 7 3 TE 15 7 TE 4 3 TE 7 4 TE 9 4
 FR TH 5 4 TE 13 12 TE 13 9 TE 13,8 TE 13,11 TE 14,13 TH 4 13 TE 15 13
 FR TH 4 10 TE 13,7 TH 3 6 TE 13 6 TH 9 15 TH 1,13 TH 5 11 TH 2,8 TE 14,9
 FR TE 12,4 TH 7 14 TH 7 2 TH 1 14 TH 4 15 TD 8 7 TD 7 1 TE 11 3 TE 12,3
 FR TH 4,3 TE 14,8 TH 3 13 TH 9 8 TE 6,1 TE 6,4 TH 2,2 TH 5 8 TH 2,3 TH 3 3
 FR TH 5 5 TH 10,3 TE 9,1 TE 6,3 TH 5,2 TH 1,2 TE 5,3 TH 10 15 TD 5 3 TH 1 8
 FR TE 12,8 TH 8,9 TH 2 9 TH 2 5 TH 2 10 TE 10,6 TE 10 8 TH 6 10 TH 10 10
 FR TE 11 9 TE 15 11 TE 14,12 TD 7 6 TE 14,11 TD 9 7 TH 6,4 TD 10 7 TD 9 5
 FR TE 15 10 TH 1 11 TH 7,12 TH 4 1 TH 1,12 TH 9 4 TD 2 1 TE 5,2 TH 3,11
 FR TH 10,5 TE 6 5 TD 7 2 TE 7 1 TH 3 1 TH 2 1 TH 1 3 TE 10 1 TH 5,1 TE 13 1

FR TE 7 3 TE 8,3 TH 5,3 TE 14 3 TE 11 1 TH 8 4 TE 11 8 TH 7 15 TH 5 12
 FR TD 4 2 TH 6 15 TD 5 1 TH 5 7 TE 12 6 TH 1 6 TH 9 3 TH 10 1 TH 7 7
 FR TH 10 8 TH 6 7 TE 14 4 TD 9 8 TD 8 3 TH 3 5 TH 6 8 TD 7 4 TD 6 2
 PD
 OU ME=ML AM RS EF FS SS SC PT IT=250 AD=OFF

TI

Number of Input Variables 26
 Number of Y – Variables 15
 Number of X – Variables 10
 Number of ETA – Variables 3
 Number of KSI – Variables 2
 Number of Observations 640

Largest Eigenvalue of B*B' (Stability Index) is 0.069

Total Effects of ETA on Y

	E3	E1	E2
ADAP	0.22 (0.03)	0.03 (0.02)	0.05
	1.04	2.76	
SOLV	0.35 (0.02)	0.04 (0.04)	0.08 (0.03)

	17.23	1.04	2.77
ACHI	0.30	0.04	0.07
	(0.01)	(0.03)	(0.03)
	20.02	1.04	2.78
MANA	0.36	0.04	0.08
	(0.02)	(0.04)	(0.03)
	15.45	1.05	2.78
SATI	0.39	0.05	0.09
	(0.03)	(0.04)	(0.03)
	15.48	1.05	2.78
COUR	--	0.43	--
STAN	--	0.46	--
	(0.01)		
	39.17		
EVAL	--	0.49	--
	(0.01)		
	38.75		
DEVE	--	0.42	--
	(0.01)		
	31.63		

RESO	--	0.44	--
		(0.02)	
		27.17	
VISI	--	--	0.45
STRU	--	--	0.42
		(0.01)	
		37.24	
INFO	--	--	0.36
		(0.01)	
		25.93	
ALLO	--	--	0.50
		(0.02)	
		29.77	
LEAR	--	--	0.42
		(0.01)	
		31.14	

Indirect Effects of ETA on Y

	E3	E1	E2
ADAP	--	0.03	0.05

		(0.03)	(0.02)
		1.04	2.76
SOLV	--	0.04	0.08
		(0.04)	(0.03)
		1.04	2.77
ACHI	--	0.04	0.07
		(0.03)	(0.03)
		1.04	2.78
MANA	--	0.04	0.08
		(0.04)	(0.03)
		1.05	2.78
SATI	--	0.05	0.09
		(0.04)	(0.03)
		1.05	2.78
COUR	--	--	--
STAN	--	--	--
EVAL	--	--	--
DEVE	--	--	--
RESO	--	--	--

VISI	--	--	--
STRU	--	--	--
INFO	--	--	--
ALLO	--	--	--
LEAR	--	--	--

Total Effects of KSI on Y

	K1	K2
	-----	-----
ADAP	0.28	-0.03
	(0.02)	(0.01)
	13.05	-2.38
SOLV	0.45	-0.05
	(0.03)	(0.02)
	15.93	-2.40
ACHI	0.39	-0.04
	(0.02)	(0.02)
	17.04	-2.41

MANA 0.48 -0.05

(0.02) (0.02)

19.89 -2.46

SATI 0.51 -0.05

(0.03) (0.02)

19.87 -2.45

COUR -0.01 0.42

(0.01) (0.02)

-0.97 20.29

STAN -0.01 0.45

(0.01) (0.02)

-0.97 21.34

EVAL -0.02 0.48

(0.02) (0.02)

-0.97 21.88

DEVE -0.01 0.41

(0.01) (0.02)

-0.97 20.79

RESO -0.01 0.43

(0.01) (0.02)

-0.97 19.80

VISI	0.01	0.39
	(0.02)	(0.02)
	0.90	18.34

STRU	0.01	0.37
	(0.01)	(0.02)
	0.90	18.19

INFO	0.01	0.32
	(0.01)	(0.02)
	0.90	15.81

ALLO	0.02	0.44
	(0.02)	(0.02)
	0.90	19.07

LEAR	0.01	0.37
	(0.01)	(0.02)
	0.90	18.33

TI

Standardized Total and Indirect Effects

Standardized Total Effects of KSI on ETA

K1	K2
----	----

	-----	-----
E3	0.80	0.77
E1	0.03	0.97
E2	0.03	0.88

Standardized Indirect Effects of KSI on ETA

	K1	K2
	-----	-----
E3	0.00	0.32
E1	--	--
E2	--	--

Standardized Total Effects of ETA on ETA

	E3	E1	E2
	-----	-----	-----
E3	--	0.12	0.23
E1	--	--	--
E2	--	--	--

Standardized Total Effects of ETA on Y

	E3	E1	E2
	-----	-----	-----
ADAP	0.22	0.03	0.05
SOLV	0.35	0.04	0.08
ACHI	0.30	0.04	0.07

MANA	0.36	0.04	0.08
SATI	0.39	0.05	0.09
COUR	--	0.43	--
STAN	--	0.46	--
EVAL	--	0.49	--
DEVE	--	0.42	--
RESO	--	0.44	--
VISI	--	--	0.45
STRU	--	--	0.42
INFO	--	--	0.36
ALLO	--	--	0.50
LEAR	--	--	0.42

Completely Standardized Total Effects of ETA on Y

	E3	E1	E2
	-----	-----	-----
ADAP	0.60	0.07	0.14
SOLV	0.77	0.09	0.18
ACHI	0.81	0.10	0.19
MANA	0.77	0.09	0.18
SATI	0.77	0.09	0.18
COUR	--	0.88	--
STAN	--	0.92	--
EVAL	--	0.95	--
DEVE	--	0.89	--
RESO	--	0.84	--
VISI	--	--	0.87

STRU	--	--	0.85
INFO	--	--	0.73
ALLO	--	--	0.92
LEAR	--	--	0.88

Standardized Indirect Effects of ETA on Y

	E3	E1	E2
	-----	-----	-----
ADAP	--	0.03	0.05
SOLV	--	0.04	0.08
ACHI	--	0.04	0.07
MANA	--	0.04	0.08
SATI	--	0.05	0.09
COUR	--	--	--
STAN	--	--	--
EVAL	--	--	--
DEVE	--	--	--
RESO	--	--	--
VISI	--	--	--
STRU	--	--	--
INFO	--	--	--
ALLO	--	--	--
LEAR	--	--	--

Completely Standardized Indirect Effects of ETA on Y

	E3	E1	E2
	-----	-----	-----

ADAP	--	0.07	0.14
SOLV	--	0.09	0.18
ACHI	--	0.10	0.19
MANA	--	0.09	0.18
SATI	--	0.09	0.18
COUR	--	--	--
STAN	--	--	--
EVAL	--	--	--
DEVE	--	--	--
RESO	--	--	--
VISI	--	--	--
STRU	--	--	--
INFO	--	--	--
ALLO	--	--	--
LEAR	--	--	--

Standardized Total Effects of KSI on Y

	K1	K2
ADAP	0.28	-0.03
SOLV	0.45	-0.05
ACHI	0.39	-0.04
MANA	0.48	-0.05
SATI	0.51	-0.05
COUR	-0.01	0.42
STAN	-0.01	0.45
EVAL	-0.02	0.48

DEVE	-0.01	0.41
RESO	-0.01	0.43
VISI	0.01	0.39
STRU	0.01	0.37
INFO	0.01	0.32
ALLO	0.02	0.44
LEAR	0.01	0.37

Completely Standardized Total Effects of KSI on Y

	K1	K2
	-----	-----
ADAP	0.78	-0.08
SOLV	1.00	-0.10
ACHI	1.06	-0.11
MANA	1.01	-0.10
SATI	1.01	-0.10
COUR	-0.03	0.86
STAN	-0.03	0.89
EVAL	-0.03	0.92
DEVE	-0.03	0.86
RESO	-0.03	0.82
VISI	0.03	0.76
STRU	0.03	0.75
INFO	0.02	0.65
ALLO	0.03	0.81
LEAR	0.03	0.78

Time used: 0.718 Seconds