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L I S R E L 10.2

BY

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The following lines were read from file C:\disertasi_maulanagunawansubhakty.LPJ:
SYSTEM FILE from file 'C:\LISREL10.2\disertasi_maulanagunawansubhakty.LPJ:

Program maulanagunawansubhakty
Sample Size =385
Latent Variables: ToAt; ToTr; ToIn; STBD

Relationships
ToAt1-ToAt6=ToAt
ToTr1-ToTr6=ToTr
ToIn1-ToIn6=ToIn
STBD1-STBD6=STBD
H1 : ToAt=ToTr

H2 : ToIn=ToAt
H3 : ToIn=ToTr

H4 : ToIn=ToAt ToTr
H5a: ToIn = ToAt
STBD = ToIn

H5b: ToIn = ToAt ToTr
STBD = ToAt ToTr ToIn

H6 : STBD = ToIn
H7 : STBD = ToAt ToTr ToIn

Options: RO AD=of IT=5000
Path Diagram
End of Problem
Program didi_iskandar_aulia

Covariance Matrix to Analyzed

	ToAt1	ToAt2	ToAt3	ToAt4	ToAt5	ToAt6	ToAt	ToTr1
-----	-----	-----	-----	-----	-----	-----	-----	-----
ToAt1	1.000							
ToAt2	.504	1.000						
ToAt3	.390	.423	1.000					
ToAt4	.659	.643	.720	1.000				
ToAt5	.260	.082	-.069	.075	1.000			
ToAt6	.185	-.082	-.056	-.052	-.179	1.000		
ToAt	.289	.015	-.056	.043	-.174	.396	1.000	
ToTr1	.260	.082	-.069	.075	.128	.504	.563	1.000
ToTr2	.260	.082	-.069	.075	.082	-.069	.075	.075

ToTr3	.185	-.082	-.056	-.052	-.082	-.056	-.052	-.052
ToTr4	.289	.015	-.056	.043	.015	-.056	.043	.043
ToTr5	-.021	.160	.195	.184	.260	.082	-.069	.184
ToTr6	-.247	.258	.311	.250	.185	-.082	-.056	.075
ToTr	-.144	.383	.257	.286	.289	.015	.043	-.052
ToIn1	-.247	.258	.311	.250	-.021	.160	.195	.184

Covariance Matrix to Analyzed

	ToTr2	ToTr3	ToTr4	ToTr5	ToTr6	ToTr	ToIn1
	-----	-----	-----	-----	-----	-----	-----
ToTr2	1.000						
ToTr3	.185	1.000					
ToTr4	.289	.015	1.000				
ToTr5	-.021	.160	.195	1.000			
ToTr6	-.098	.317	.394	.324	1.000		
ToTr	.067	-.004	.004	-.011	-.065	1.000	
ToIn1	-.127	.215	.284	.173	-.065	.594	1.000
ToIn2	-.256	.181	.240	.596	.215	.284	.173
ToIn3	-.225	.285	.267	.239	.180	.476	.266
ToIn4	-.206	.371	.266	.218	.215	.284	.173
ToIn5	-.102	.378	.213	.268	.594	.213	.316
ToIn6	-.114	.245	.321	.285	.180	.476	.266
ToIn	-.127	.215	.284	.173	-.135	.522	.506
STBD1	-.065	.594	.213	.316	-.089	.247	.170
STBD2	.247	.141	.198	.323	.312	.271	.702
STBD3	-.045	.180	.476	.266	-.003	.581	.198
STBD4	-.199	.682	.296	.366	.463	.009	-.068
STBD5	.293	.342	.494	.571	-.076	.412	.302
STBD6	-.116	.279	.658	.429	-.163	.293	.329
STBD	-.191	.141	.194	.571	-.076	.412	.302

Covariance Matrix to Analyzed

	ToIn2	ToIn3	ToIn4	ToIn5	ToIn6	ToIn	STBD1
	-----	-----	-----	-----	-----	-----	-----
ToIn2	1.000						
ToIn3	.143	1.000					
ToIn4	-.235	.236	1.000				
ToIn5	-.191	.321	.217	1.000			
ToIn6	.082	-.001	-.045	-.094	1.000		
ToIn	-.092	.286	.258	.257	-.163	1.000	
STBD1	.443	-.262	-.392	.376	-.206	.412	1.000
STBD2	-.172	.239	.224	.216	-.076	.442	.302
STBD3	.043	-.202	-.302	.306	-.306	.012	-.602
STBD4	-.089	.247	.170	.157	-.135	.522	.506
STBD5	-.003	.581	.198	.320	-.003	.581	.198
STBD6	.463	.009	-.068	.115	.463	.009	-.068
STBD	-.163	.293	.329	.291	-.163	.293	.329

Covariance Matrix to Analyzed

	STBD2	STBD3	STBD4	STBD5	STBD6	STBD
	-----	-----	-----	-----	-----	-----
STBD2	1.000					
STBD3	.020	1.000				
STBD4	-.055	.183	1.000			
STBD5	-.207	.087	.151	1.000		
STBD6	.157	.146	.291	.002	1.000	
STBD	.311	.169	.115	.011	.289	1.000

Number of Iteration = 24

LISREL Estimate (Maximum Likelihood)
Measurement Equations Manifest Variable

ToAt1 = .493*ToAt,	Errorvar. =.757,	R ² =.243
(.000)		(.000)
11.711		13.155
ToAt2 = .480*ToAt,	Errorvar. =.770,	R ² =.230
(.000)		(.000)
11.315		12.028
ToAt3 = .488*ToAt,	Errorvar. =.762,	R ² =.238
(.000)		(.000)
11.545		13.286
ToAt4 = .420*ToAt,	Errorvar. =.824,	R ² =.176
(.000)		(.000)
9.562		19.437
ToAt5 = .447*ToAt,	Errorvar. =.800,	R ² =.200
(.000)		(.000)
10.335		16.811
ToAt6 = .605*ToAt,	Errorvar. =.634,	R ² =.333
(.000)		(.000)
15.719		17.095
ToTr1 = .601*ToTr,	Errorvar. =.639,	R ² =.361
(.000)		(.000)
15.551		21.835
ToTr2 = .596*ToTr,	Errorvar. =.645,	R ² =.355
(.000)		(.000)
15.322		14.761
ToTr3 = .623*ToTr,	Errorvar. =.612,	R ² =.388
(.000)		(.000)
16.467		12.159
ToTr4 = .522*ToTr,	Errorvar. =.728,	R ² =.272
(.000)		(.000)
12.638		15.729
ToTr5 = .500*ToTr,	Errorvar. =.750,	R ² =.250
(.000)		(.000)
11.922		12.126
ToTr6 = .511*ToTr,	Errorvar. =.739,	R ² =.262
(.000)		(.000)
12.293		15.119
ToIn1 = .628*ToIn,	Errorvar. =.606,	R ² =.394
(.000)		(.000)
16.673		17.979
ToIn2 = .402*ToIn,	Errorvar. =.838,	R ² =.162
(.000)		(.000)
9.063		8.134
ToIn3 = .643*ToIn,	Errorvar. =.587,	R ² =.413
(.000)		(.000)
17.334		13.456

Number of Iteration = 24

LISREL Estimate (Maximum Likelihood)
Measurement Equations Manifest Variable

ToIn4 = .764*ToIn,	Errorvar. =.416,	R ² =.584
(.000)		(.000)
10.816		11.986
ToIn5 = .587*ToIn,	Errorvar. =.655,	R ² =.345
(.000)		(.000)
14.990		14.694
ToIn6 = .676*ToIn,	Errorvar. =.543,	R ² =.457
(.000)		(.000)
18.965		19.665
STBD1 = .488*STBD,	Errorvar. =.762,	R ² =.238
(.000)		(.000)
11.552		13.452
STBD2 = .491*STBD,	Errorvar. =.759,	R ² =.241
(.000)		(.000)
11.661		13.978
STBD3 = .333*STBD,	Errorvar. =.889,	R ² =.111
(.000)		(.000)
7.306		5.384
STBD4 = .414*STBD,	Errorvar. =.829,	R ² =.171
(.000)		(.000)
9.400		8.359
STBD5 = .663*STBD,	Errorvar. =.560,	R ² =.440
(.000)		(.000)
18.325		15.792
STBD6 = .339*STBD,	Errorvar. =.885,	R ² =.115
(.000)		(.000)
7.434		5.271

Reduced Form Equations

ToTr =.728*ToAt	R= .728,	Errorvar. =.470,	R ² =.530
(.000)			(.000)
22.596			15.676
ToIn =.454*ToAt	R= .454,	Errorvar. =.794,	R ² =.206
(.000)			(.000)
22.596			8.754
ToIn =.553*ToTr	R= .553,	Errorvar. =.694,	R ² =.306
(.000)			(.000)
22.596			9.985
ToIn =.654*ToAt + .368*ToTr,	R=.715,	Errorvar. =.489,	R ² =.511
(.000) (.000)			(.000)
14.231 18.122			113.216
STBD =.381*ToAt + .738*ToTr	R=.456,	Errorvar. =.792,	R ² =.208
(.000) (.000)			(.000)
5.585 21.818			142,826
STBD =.228*ToIn	R= .228,	Errorvar. =.948,	R ² =.052
(.000)			(.000)
22.596			11.152

STBD=.381*ToAt +.706*ToTr +.738*ToIn	R=.9252,	Errorvar. =.144,	R ² =.856
(.000) (.000) (.000)			(.000)
14.279 12.370 17.780			3252.172

Correlation Matrix of Independent Latent Variable

	ToAt	ToTr	ToIn	
	-----	-----	-----	
ToAt	1.000			
ToTr	.728	1.000		
ToIn	.454	.553	1.000	
	ToAt	ToTr	STBD	
	-----	-----	-----	
ToAt	1.000			
ToTr	.728	1.000		
STBD	.502	.688	1.000	
	ToAt	ToTr	ToIn	STBD
	-----	-----	-----	-----
ToAt	1.000			
ToTr	.728	1.000		
ToIn	.454	.533	1.000	
STBD	.538	.688	.228	1.000

Goodness of Fit Statistics

Degrees of Freedom = 5352
Minimum Fit Function Chi-Square = 3065.652 (p = .000)
Normal Theory Weighted Least Squares Chi-Square = 2998.169 (p = .000)
Estimated Non-centrality Parameter (NCP) = 2433.168
90 Percent Confidence Interval for NCP = (1571.674; 1630.483)

Minimum Fit Function Value = 17.295
Population Discrepancy Function Value (F0) = 6.851
90 Percent Confidence Interval for F0 = (5.715; 6.756)
Root Mean Square Error of Approximation (RMSEA) = .0258
90 Percent Confidence Interval for RMSEA = (.0498; .0281)
P-Value for Test of Close Fit (RMSEA < 0.05) = .000

Expected Cross-Validation Index (ECVI) = 1.325
90 Percent Confidence Interval for ECVI = (17.581 ; 19.893)
ECVI for Saturated Model = 19.759
ECVI for Independence Model = 192.357

Chi-Square for Independence Model with 5352 Degrees of Freedom = 41793.813
 Independence AIC = 41245.193
 Model AIC = 3725.12
 Saturated AIC = 4702.00
 Independence CAIC = 46348.01
 Model CAIC = 4552.90
 Saturated CAIC = 12080.47

Normed Fit Index (NFI) = .937
Non-Normed Fit Index (NNFI) = .983
Parsimony Normed Fit Index (PNFI) = .898
Comparative Fit Index (CFI) = .978
Incremental Fit Index (IFI) = .978
Relative Fit Index (RFI) = .917

Critical N (CN) = 183.301

Root Mean Square Residual (RMSR) = .197

Standardized RMR = .01468

Goodness of Fit Index (GFI) = .729

Adjusted Goodness of Fit Index (AGFI) = .678

Parsimony Goodness of Fit Index (PGFI) = .675

The Modification Indices Suggest to Add the

Path to from		Decrease in Chi-Square	New Estimate
ToIn3	ToIn	14.535	-.232
ToIn6	ToIn	96.514	.901

The Modification Indices Suggest an Error Covariance

Between and		Decrease in Chi-Square	New Estimate
ToIn3	ToIn6	90.765	.026
ToTr4	ToTr6	17.051	.018
ToTr2	ToAt1	27.518	.014

The Problem used 44928 Bytes (=1% of Variable Workspace)

Time used: 0.543 Seconds

Time used: 0.543 Seconds

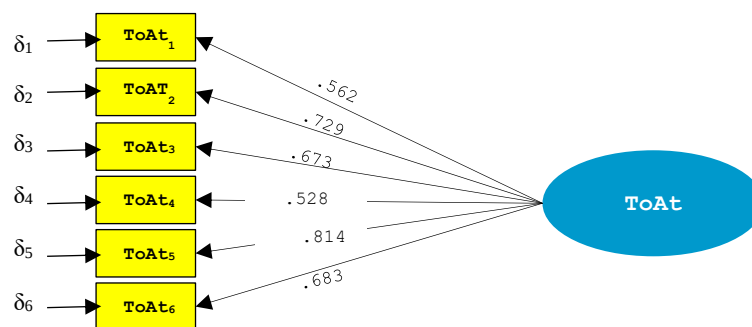


Figure 1.

Direct influence of latent variability ToAt towards manifest variables ToAt1, ToAt2, ToAt3, ToAt4, ToAt5, dan ToAt6

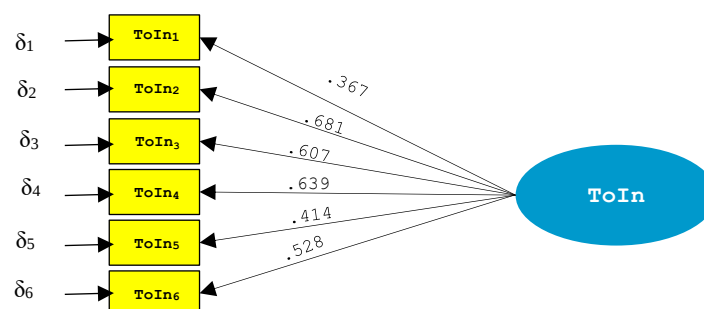
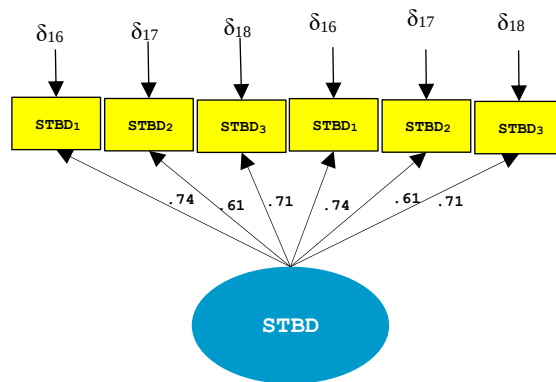
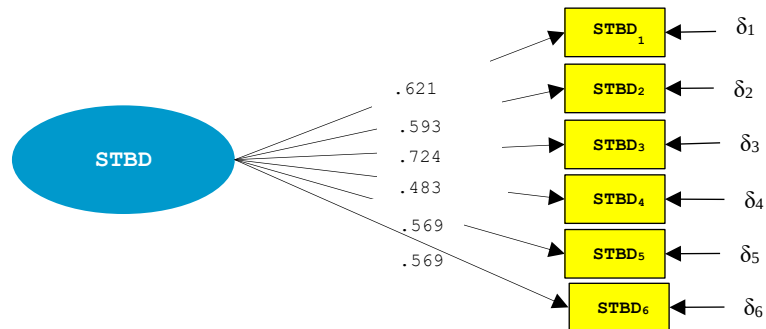


Figure 2.

Direct influence of latent variability ToIn towards ToIn₁, ToIn₂, ToIn₃, ToIn₄, ToIn₅, and ToIn₆, manifest variables

**Figure 3.**

Direct influence of latent variability STBD towards STBD₁, STBD₂ and STBD₃ manifest variables

**Figure 4.**

Direct influence of latent variability STBD towards STBD₁, STBD₂, STBD₃, STBD₄ and STBD₅ manifest variables

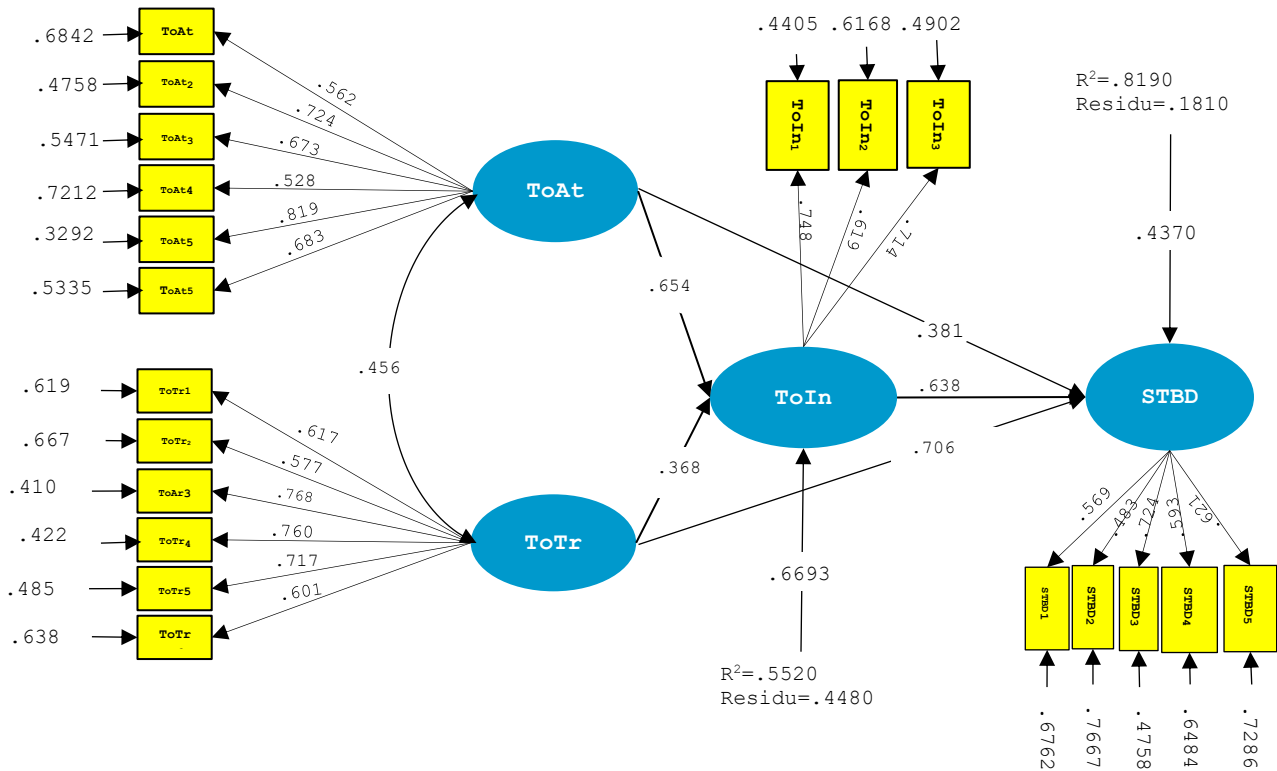


Figure 5.
Full Path Diagram:
Effects of ToAt and ToTr in increasing ToIn and Their Effects on STBD

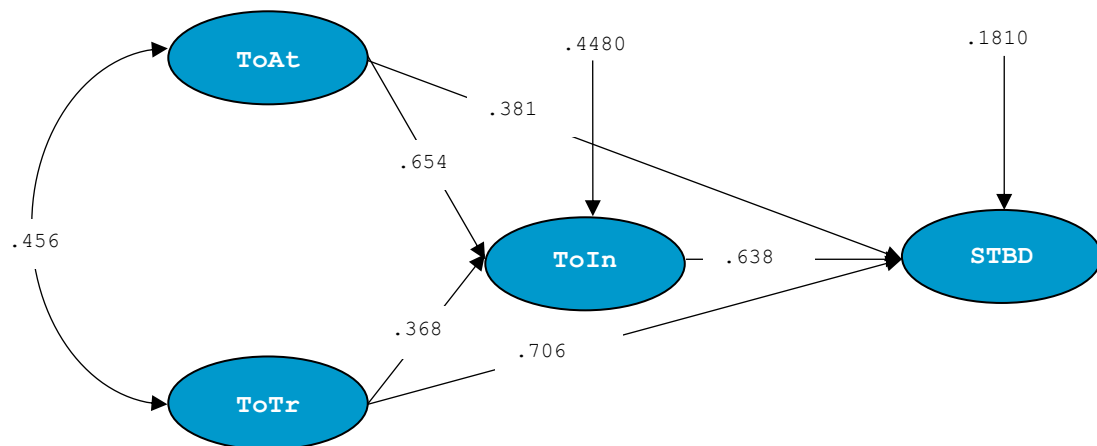
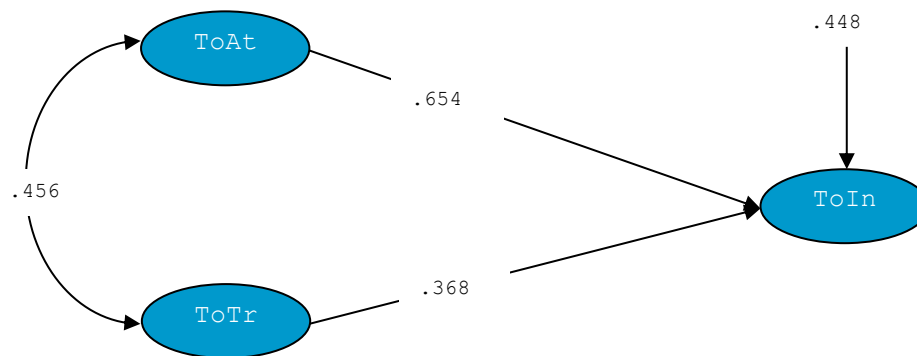
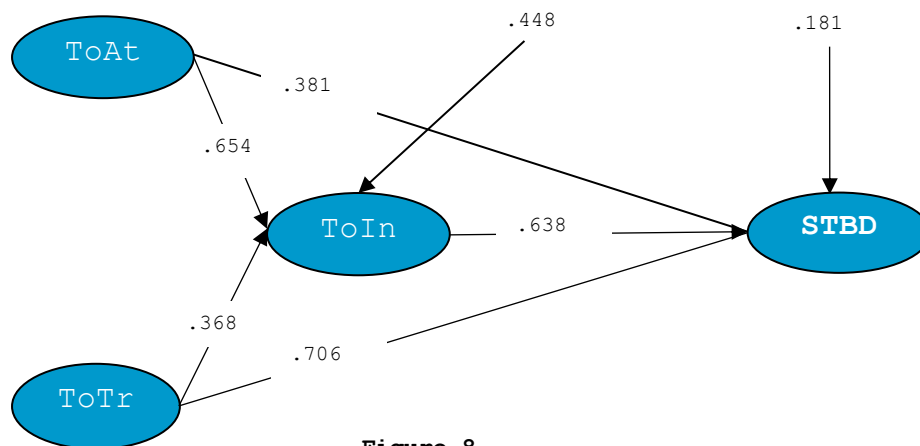


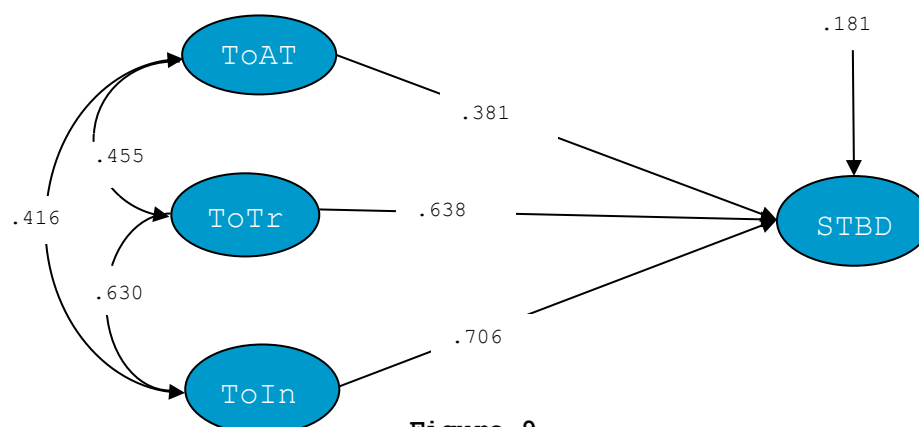
Figure 6.Path Diagram:
Effects of ToAt and ToTr in increasing ToIn and Their Effects on STBD

**Figure 7.**

Hypothesis 1,2 and 3 Test Results: Effect of ToAt and ToTr on ToIn

**Figure 8.**

Hypothesis 4,5,6 and 7 Test Results: Direct ToAt and ToTr Effect and indirectly (via ToIn) against STBD

**Figure 9.**

Hypothesis 8 Test Results:
Direct influence of ToAt, ToTr and ToIn on STBD