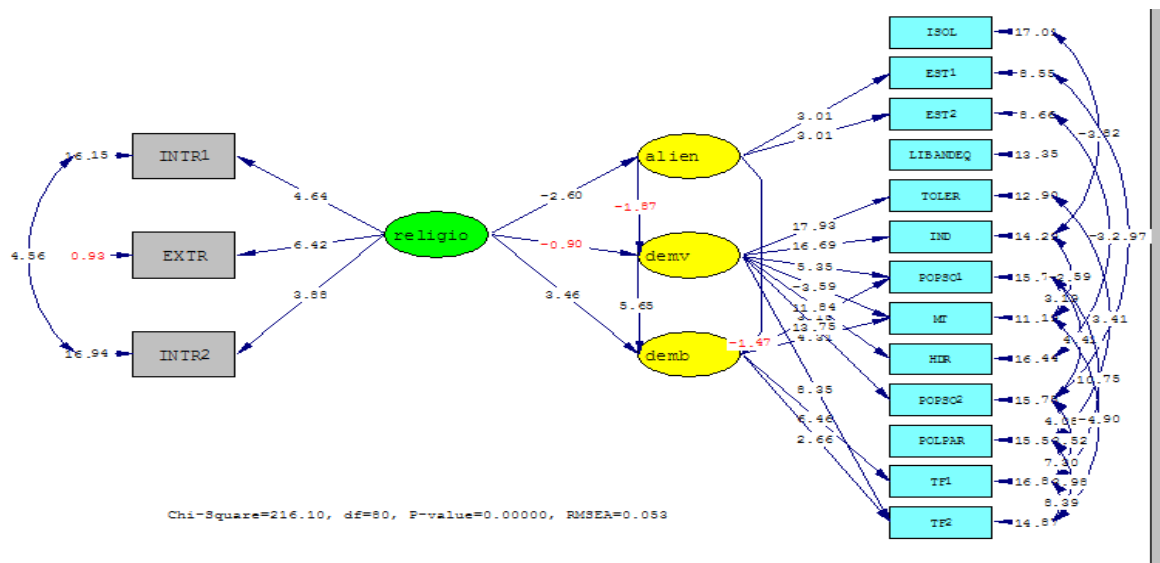
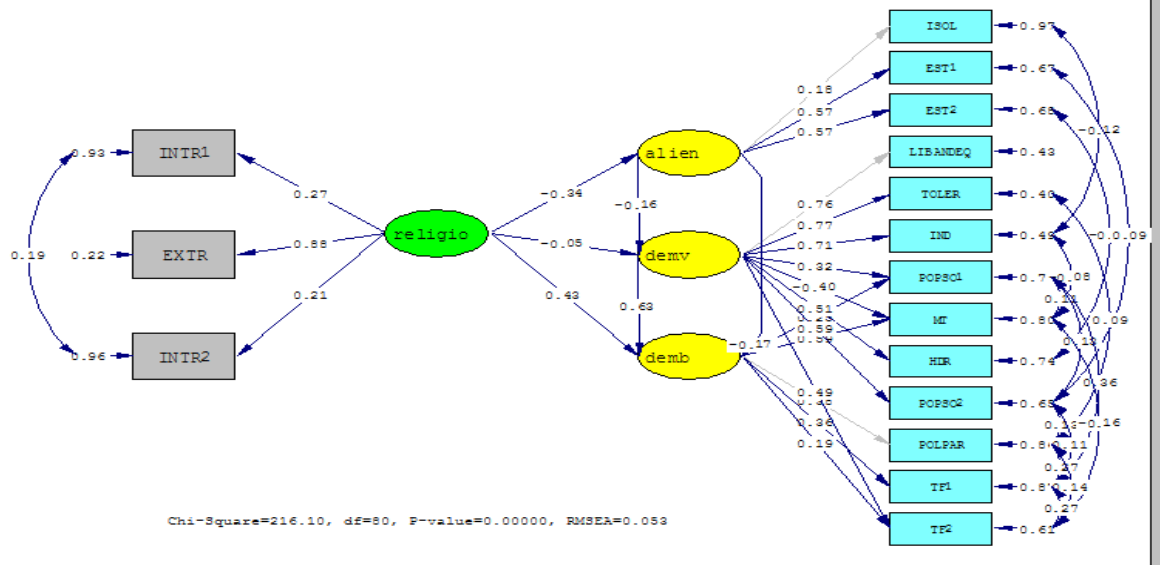


ภาคผนวก ง

โครงสร้างความสัมพันธ์ ระหว่าง ตัวแปร จาก ข้อมูลเชิงประจักษ์

Modified

1. ด้วย วิถีวิเคราะห์ แบบ Confirm Factor Analysis (CFA)



LISREL Estimates (Maximum Likelihood)

Structural Equations

$$\begin{aligned}
 \text{alien} &= -0.33 \cdot \text{religio}, \text{ Errorvar.} = 0.84, R^2 = 0.12 \\
 &\quad (0.13) \qquad\qquad\qquad (0.52) \\
 &\quad -2.60 \qquad\qquad\qquad 1.62
 \end{aligned}$$

demv = - 0.16*alien - 0.053*religio, Errorvar.= 1.01 , R² = 0.021

(0.087) (0.058) (0.10)
-1.87 -0.90 10.13

demb = - 0.14*alien + 0.51*demv + 0.35*religio, Errorvar.= 0.21 , R² = 0.69

(0.095) (0.089) (0.10)
(0.11) -1.47 5.65 3.46 1.88

Reduced Form Equations

alien = - 0.33*religio, Errorvar.= 0.84, R² = 0.12
(0.13)
-2.60

demv = 0.0011*religio, Errorvar.= 1.04, R² = 0.00
(0.051)
0.022

demb = 0.40*religio, Errorvar.= 0.51, R² = 0.24
(0.10)
3.90

Goodness of Fit Statistics

Degrees of Freedom = 80

Minimum Fit Function Chi-Square = 223.80 (P = 0.00)

Normal Theory Weighted Least Squares Chi-Square = 216.10 (P = 0.00)

Chi-Square Difference with 1 Degree of Freedom = 10.83 (P = 0.0010)

Estimated Non-centrality Parameter (NCP) = 136.10

90 Percent Confidence Interval for NCP = (96.23 ; 183.65)

Minimum Fit Function Value = 0.37

Population Discrepancy Function Value (F0) = 0.22

90 Percent Confidence Interval for F0 = (0.16 ; 0.30)

Root Mean Square Error of Approximation (RMSEA) = 0.053

90 Percent Confidence Interval for RMSEA = (0.044 ; 0.061)

P-Value for Test of Close Fit (RMSEA < 0.05) = 0.29

Expected Cross-Validation Index (ECVI) = 0.54

90 Percent Confidence Interval for ECVI = (0.47 ; 0.61)

ECVI for Saturated Model = 0.44

ECVI for Independence Model = 6.08

Chi-Square for Independence Model with 120 Degrees of Freedom = 3692.22

Independence AIC = 3724.22

Model AIC = 328.10

Saturated AIC = 272.00

Independence CAIC = 3810.94

Model CAIC = 631.62

Saturated CAIC = 1009.12

Normed Fit Index (NFI) = 0.94

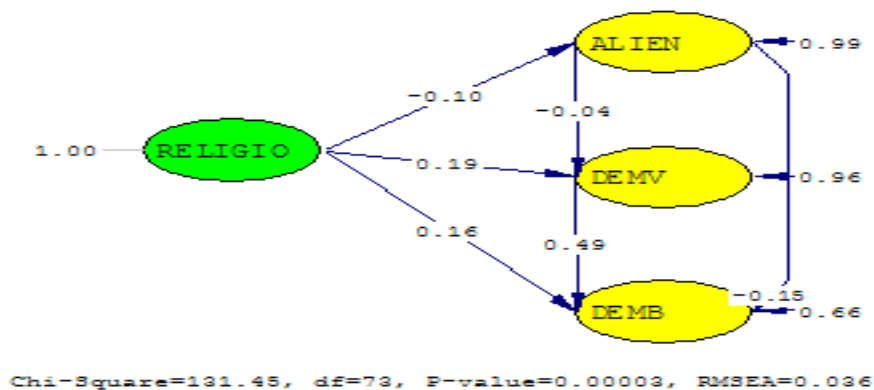
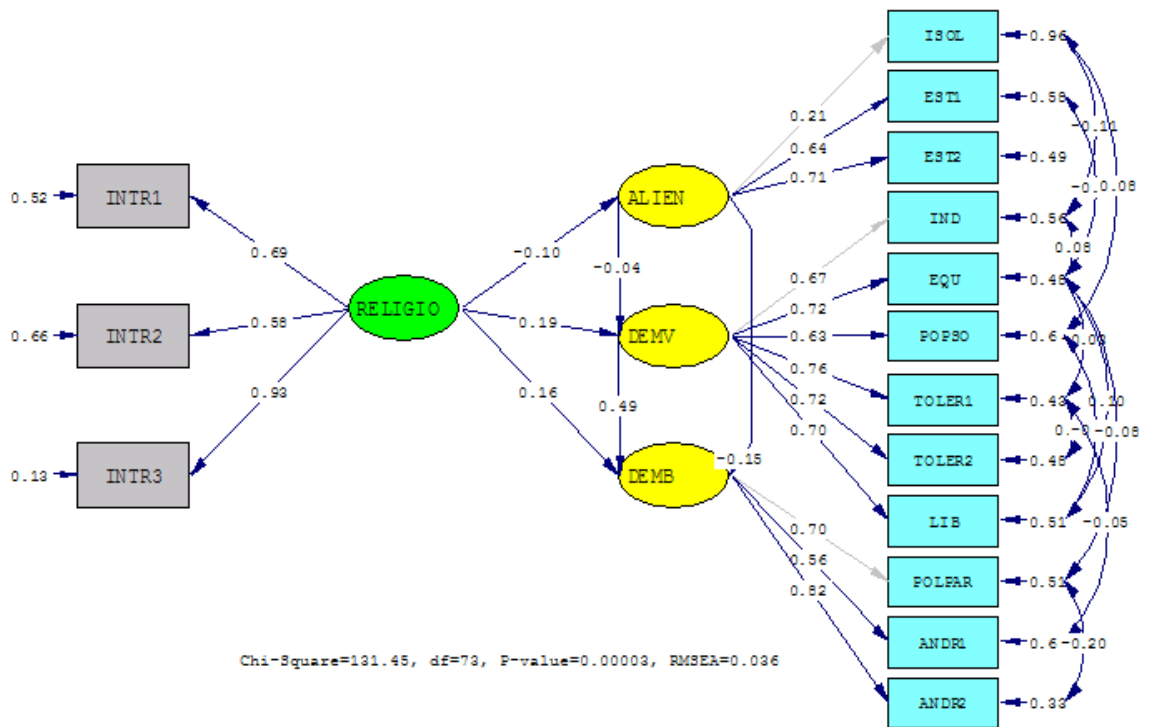
Non-Normed Fit Index (NNFI) = 0.94

Parsimony Normed Fit Index (PNFI) = 0.63
 Comparative Fit Index (CFI) = 0.96
 Incremental Fit Index (IFI) = 0.96
 Relative Fit Index (RFI) = 0.91

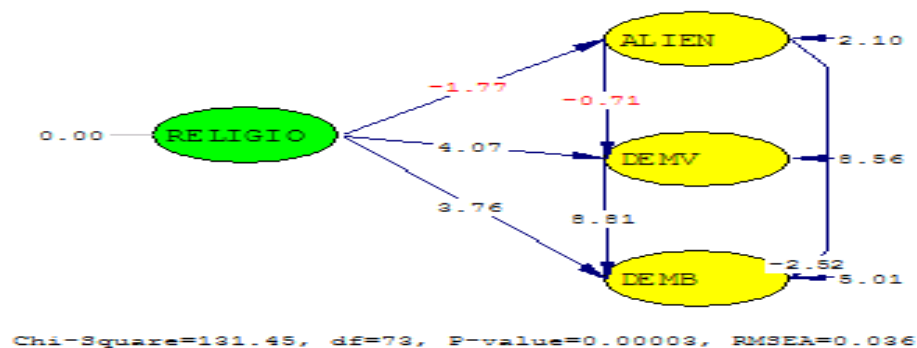
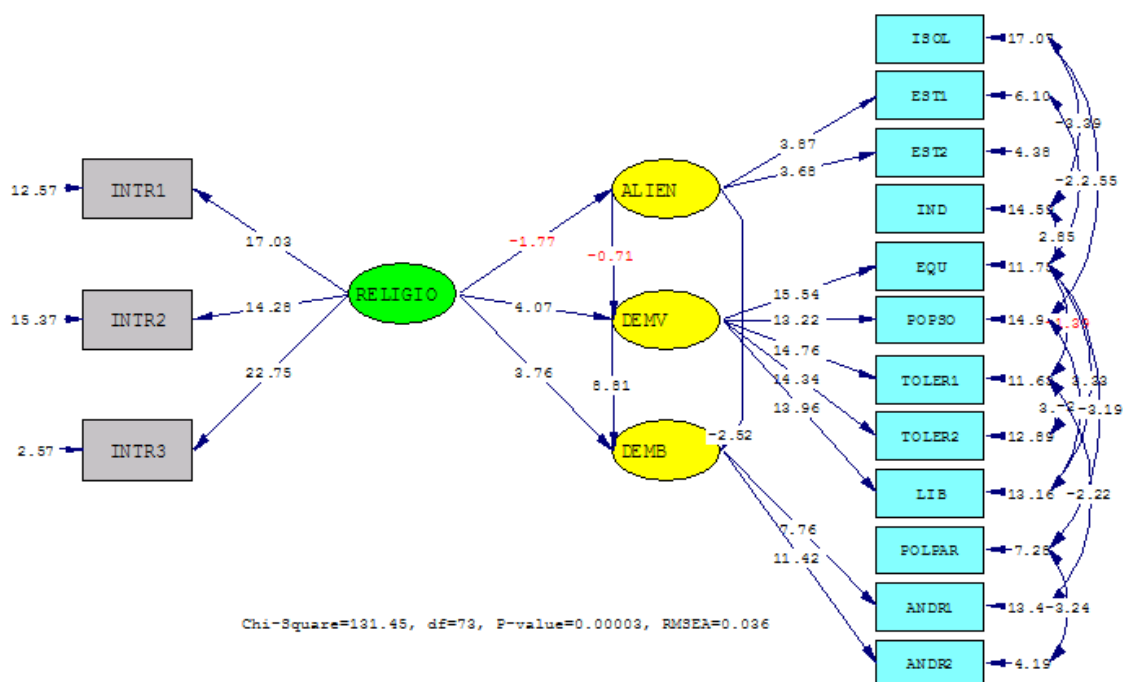
Critical N (CN) = 308.68

Root Mean Square Residual (RMR) = 0.20
 Standardized RMR = 0.054
 Goodness of Fit Index (GFI) = 0.96
 Adjusted Goodness of Fit Index (AGFI) = 0.93
 Parsimony Goodness of Fit Index (PGFI) = 0.56

2. ด้วย วิเคราะห์ แบบ Exploratory Factor Analysis (EFA)



Standardized loading



t-value

LISREL Estimates (Maximum Likelihood)

Structural Equations

ALIEN = - 0.095*RELIGIO, Errorvar. = 0.82, R² = 0.011
 (0.054) (0.39)
 -1.77 2.10

DEMV = - 0.042*ALIEN + 0.19*RELIGIO, Errorvar. = 0.89, R² = 0.041
 (0.059) (0.046) (0.10)
 -0.71 4.07 8.56

DEMB = - 0.20*ALIEN + 0.62*DEMV + 0.20*RELIGIO, Errorvar. =
 0.97, R² = 0.34
 (0.080) (0.070) (0.052) (0.19)
 -2.52 8.81 3.76 5.01

Reduced Form Equations

ALIEN = - 0.095*RELIGIO, Errorvar. = 0.82, R² = 0.011
 (0.054)
 -1.77

DEMV = 0.19*RELIGIO, Errorvar. = 0.89, R² = 0.039
 (0.046)
 4.18

DEMB = 0.33*RELIGIO, Errorvar. = 1.35, R² = 0.076
 (0.058)
 5.75

Goodness of Fit Statistics

Degrees of Freedom = 73
 Minimum Fit Function Chi-Square = 132.25 (P = 0.00)
 Normal Theory Weighted Least Squares Chi-Square = 131.45 (P = 0.00)
 Chi-Square Difference with 1 Degree of Freedom = 1.95 (P = 0.16)
 Estimated Non-centrality Parameter (NCP) = 58.45
 90 Percent Confidence Interval for NCP = (30.25 ; 94.50)

Minimum Fit Function Value = 0.22
 Population Discrepancy Function Value (F0) = 0.095
 90 Percent Confidence Interval for F0 = (0.049 ; 0.15)
 Root Mean Square Error of Approximation (RMSEA) = 0.036
 90 Percent Confidence Interval for RMSEA = (0.026 ; 0.046)
 P-Value for Test of Close Fit (RMSEA < 0.05) = 0.99

Expected Cross-Validation Index (ECVI) = 0.37
 90 Percent Confidence Interval for ECVI = (0.32 ; 0.43)
 ECVI for Saturated Model = 0.39
 ECVI for Independence Model = 7.35

Chi-Square for Independence Model with 105 Degrees of Freedom =
 4476.92

Independence AIC = 4506.92
 Model AIC = 225.45
 Saturated AIC = 240.00
 Independence CAIC = 4588.22
 Model CAIC = 480.19
 Saturated CAIC = 890.40

Normed Fit Index (NFI) = 0.97
 Non-Normed Fit Index (NNFI) = 0.98
 Parsimony Normed Fit Index (PNFI) = 0.67
 Comparative Fit Index (CFI) = 0.99
 Incremental Fit Index (IFI) = 0.99
 Relative Fit Index (RFI) = 0.96

Critical N (CN) = 483.10
Root Mean Square Residual (RMR) = 0.16
Standardized RMR = 0.037
Goodness of Fit Index (GFI) = 0.97
Adjusted Goodness of Fit Index (AGFI) = 0.95
Parsimony Goodness of Fit Index (PGFI) = 0.59