**Table 4 - Unique variances invariant (I)**

(Days data, strict measurement invariance with itemspecific factors)

lavaan 0.6-3 ended normally after 167 iterations

Optimization method NLMINB

Number of free parameters 32

Number of equality constraints 14

Used Total

Number of observations 109 110

Number of missing patterns 1

Estimator ML Robust

Model Fit Test Statistic 54.114 45.706

Degrees of freedom 36 36

P-value (Chi-square) 0.027 0.129

Scaling correction factor 1.184

for the Yuan-Bentler correction (Mplus variant)

Model test baseline model:

Minimum Function Test Statistic 558.575 419.076

Degrees of freedom 36 36

P-value 0.000 0.000

User model versus baseline model:

Comparative Fit Index (CFI) 0.965 0.975

Tucker-Lewis Index (TLI) 0.965 0.975

Robust Comparative Fit Index (CFI) 0.977

Robust Tucker-Lewis Index (TLI) 0.977

Loglikelihood and Information Criteria:

Loglikelihood user model (H0) -3333.641 -3333.641

Scaling correction factor 0.864

for the MLR correction

Loglikelihood unrestricted model (H1) -3306.585 -3306.585

Scaling correction factor 1.301

for the MLR correction

Number of free parameters 18 18

Akaike (AIC) 6703.283 6703.283

Bayesian (BIC) 6751.727 6751.727

Sample-size adjusted Bayesian (BIC) 6694.849 6694.849

Root Mean Square Error of Approximation:

RMSEA 0.068 0.050

90 Percent Confidence Interval 0.024 0.103 0.000 0.086

P-value RMSEA <= 0.05 0.207 0.477

Robust RMSEA 0.054

90 Percent Confidence Interval 0.000 0.097

Standardized Root Mean Square Residual:

SRMR 0.074 0.074

Parameter Estimates:

Information Observed

Observed information based on Hessian

Standard Errors Robust.huber.white

Latent Variables:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

t1 =~

sad\_1 1.000 7.336 0.802

fru\_1 (a) 1.138 0.090 12.595 0.000 8.345 0.816

ner\_1 (b) 1.060 0.093 11.353 0.000 7.774 0.810

t4 =~

sad\_4 1.000 7.028 0.789

fru\_4 (a) 1.138 0.090 12.595 0.000 7.995 0.804

ner\_4 (b) 1.060 0.093 11.353 0.000 7.448 0.798

t7 =~

sad\_7 1.000 6.947 0.786

fru\_7 (a) 1.138 0.090 12.595 0.000 7.903 0.800

ner\_7 (b) 1.060 0.093 11.353 0.000 7.363 0.795

fru =~

fru\_1 (d) 1.000 3.434 0.336

fru\_4 (d) 1.000 3.434 0.345

fru\_7 (d) 1.000 3.434 0.348

ner =~

ner\_1 (e) 1.000 2.744 0.286

ner\_4 (e) 1.000 2.744 0.294

ner\_7 (e) 1.000 2.744 0.296

Covariances:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

t1 ~~

fru 0.000 0.000 0.000

t4 ~~

fru 0.000 0.000 0.000

t7 ~~

fru 0.000 0.000 0.000

t1 ~~

ner 0.000 0.000 0.000

t4 ~~

ner 0.000 0.000 0.000

t7 ~~

ner 0.000 0.000 0.000

fru ~~

ner 0.000 0.000 0.000

t1 ~~

t4 17.598 7.659 2.298 0.022 0.341 0.341

t7 40.412 9.133 4.425 0.000 0.793 0.793

t4 ~~

t7 22.272 7.311 3.046 0.002 0.456 0.456

Intercepts:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

.sad\_1 0.000 0.000 0.000

.sad\_4 0.000 0.000 0.000

.sad\_7 0.000 0.000 0.000

.fru\_1 (f) -0.002 0.849 -0.002 0.998 -0.002 -0.000

.fru\_4 (f) -0.002 0.849 -0.002 0.998 -0.002 -0.000

.fru\_7 (f) -0.002 0.849 -0.002 0.998 -0.002 -0.000

.ner\_1 (g) 2.300 1.003 2.292 0.022 2.300 0.240

.ner\_4 (g) 2.300 1.003 2.292 0.022 2.300 0.246

.ner\_7 (g) 2.300 1.003 2.292 0.022 2.300 0.248

t1 12.173 0.848 14.357 0.000 1.659 1.659

t4 9.061 0.790 11.463 0.000 1.289 1.289

t7 7.660 0.787 9.729 0.000 1.103 1.103

fru 0.000 0.000 0.000

ner 0.000 0.000 0.000

Variances:

Estimate Std.Err z-value P(>|z|) Std.lv Std.all

.sad\_1 (j) 29.863 5.404 5.526 0.000 29.863 0.357

.sad\_4 (j) 29.863 5.404 5.526 0.000 29.863 0.377

.sad\_7 (j) 29.863 5.404 5.526 0.000 29.863 0.382

.fru\_1 (k) 23.231 4.184 5.552 0.000 23.231 0.222

.fru\_4 (k) 23.231 4.184 5.552 0.000 23.231 0.235

.fru\_7 (k) 23.231 4.184 5.552 0.000 23.231 0.238

.ner\_1 (l) 24.084 4.424 5.444 0.000 24.084 0.262

.ner\_4 (l) 24.084 4.424 5.444 0.000 24.084 0.277

.ner\_7 (l) 24.084 4.424 5.444 0.000 24.084 0.281

t1 53.815 11.316 4.755 0.000 1.000 1.000

t4 49.394 15.105 3.270 0.001 1.000 1.000

t7 48.265 10.910 4.424 0.000 1.000 1.000

fru 11.794 4.662 2.530 0.011 1.000 1.000

ner 7.531 2.870 2.624 0.009 1.000 1.000