**Lampiran**

**Uji validitas**

X1

| **KMO and Bartlett's Test** |
| --- |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | .825 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 223.845 |
| df | 21 |
| Sig. | .000 |

| **Component Matrixa** |
| --- |
|  | Component |
|  | 1 |
| x11 | .744 |
| x12 | .546 |
| x13 | .756 |
| x14 | .621 |
| x15 | .750 |
| x16 | .824 |
| x17 | .794 |
| Extraction Method: Principal Component Analysis. |
| a. 1 components extracted. |

X2

| **KMO and Bartlett's Test** |
| --- |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | .736 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 123.920 |
| df | 10 |
| Sig. | .000 |

| **Rotated Component Matrixa** |
| --- |
|  | Component |
|  | 1 | 2 |
| x21 | .831 | .147 |
| x22 | .888 | .122 |
| x23 | .870 | .099 |
| x24 | -.035 | .880 |
| x25 | .324 | .652 |
| Extraction Method: Principal Component Analysis.  Rotation Method: Varimax with Kaiser Normalization. |
| a. Rotation converged in 3 iterations. |

X3

| **KMO and Bartlett's Test** |
| --- |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | .753 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 188.591 |
| df | 21 |
| Sig. | .000 |

| **Rotated Component Matrixa** |
| --- |
|  | Component |
|  | 1 | 2 |
| x31 | .815 | .268 |
| x32 | .840 | .130 |
| x33 | .827 | .096 |
| x34 | .103 | .805 |
| x35 | .207 | .761 |
| x36 | .081 | .650 |
| x37 | .484 | .584 |
| Extraction Method: Principal Component Analysis.  Rotation Method: Varimax with Kaiser Normalization. |
| a. Rotation converged in 3 iterations. |

X4

| **KMO and Bartlett's Test** |
| --- |
| Kaiser-Meyer-Olkin Measure of Sampling Adequacy. | .601 |
| Bartlett's Test of Sphericity | Approx. Chi-Square | 35.729 |
| df | 6 |
| Sig. | .000 |

| **Component Matrixa** |
| --- |
|  | Component |
|  | 1 |
| x41 | .590 |
| x42 | .735 |
| x43 | .737 |
| x44 | .608 |
| Extraction Method: Principal Component Analysis. |
| a. 1 components extracted. |

**Uji reliabilitas**

X1

| **Reliability Statistics** |
| --- |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .840 | .846 | 7 |

X2

| **Reliability Statistics** |
| --- |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .725 | .725 | 5 |

X3

| **Reliability Statistics** |
| --- |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .795 | .798 | 7 |

X4

| **Reliability Statistics** |
| --- |
| Cronbach's Alpha | Cronbach's Alpha Based on Standardized Items | N of Items |
| .600 | .606 | 4 |

**Uji normalitas**

| **One-Sample Kolmogorov-Smirnov Test** |
| --- |
|  |  | Tx1 | Tx2 | Tx3 | Tx4 |
| N | 84 | 84 | 84 | 84 |
| Normal Parametersa | Mean | 24.1786 | 16.7738 | 22.1190 | 13.0357 |
| Std. Deviation | 5.81059 | 3.78440 | 5.48910 | 2.81325 |
| Most Extreme Differences | Absolute | .119 | .155 | .171 | .209 |
| Positive | .065 | .088 | .064 | .122 |
| Negative | -.119 | -.155 | -.171 | -.209 |
| Kolmogorov-Smirnov Z | 1.088 | 1.419 | 1.566 | 1.918 |
| Asymp. Sig. (2-tailed) | .187 | .036 | .015 | .001 |
| a. Test distribution is Normal. |  |  |  |  |
|  |  |  |  |  |  |

**Uji t test data independen**

X1

| **Group Statistics** |
| --- |
|  | VAR00001 | N | Mean | Std. Deviation | Std. Error Mean |
| VAR00002 | 1 | 42 | 22.0476 | 7.23795 | 1.11684 |
| 2 | 42 | 26.3095 | 2.58030 | .39815 |

| **Independent Samples Test** |
| --- |
|  |  | Levene's Test for Equality of Variances | t-test for Equality of Means |
|  |  | F | Sig. | T | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |
|  |  | Lower | Upper |
| VAR00002 | Equal variances assumed | 32.888 | .000 | -3.594 | 82 | .001 | -4.26190 | 1.18569 | -6.62061 | -1.90320 |
| Equal variances not assumed |  |  | -3.594 | 51.256 | .001 | -4.26190 | 1.18569 | -6.64198 | -1.88183 |

X2

| **Group Statistics** |
| --- |
|  | VAR00001 | N | Mean | Std. Deviation | Std. Error Mean |
| VAR00003 | 1 | 42 | 18.1905 | 2.18909 | .33778 |
| 2 | 42 | 15.2857 | 4.43537 | .68439 |

| **Independent Samples Test** |
| --- |
|  |  | Levene's Test for Equality of Variances | t-test for Equality of Means |
|  |  | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |
|  |  | Lower | Upper |
| VAR00003 | Equal variances assumed | 23.511 | .000 | 3.806 | 82 | .000 | 2.90476 | .76321 | 1.38649 | 4.42303 |
| Equal variances not assumed |  |  | 3.806 | 59.856 | .000 | 2.90476 | .76321 | 1.37804 | 4.43149 |

X3

| **Group Statistics** |
| --- |
|  | VAR00001 | N | Mean | Std. Deviation | Std. Error Mean |
| VAR00004 | 1 | 42 | 25.0714 | 2.63553 | .40667 |
| 2 | 42 | 19.2381 | 6.03974 | .93195 |

| **Independent Samples Test** |
| --- |
|  |  | Levene's Test for Equality of Variances | t-test for Equality of Means |
|  |  | F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |
|  |  | Lower | Upper |
| VAR00004 | Equal variances assumed | 24.514 | .000 | 5.737 | 82 | .000 | 5.83333 | 1.01682 | 3.81056 | 7.85611 |
| Equal variances not assumed |  |  | 5.737 | 56.068 | .000 | 5.83333 | 1.01682 | 3.79646 | 7.87021 |

**Uji wilcoxon**

X4

| **Test Statisticsb** |
| --- |
|  | Txx4 - Tx4 |
| Z | -1.177a |
| Asymp. Sig. (2-tailed) | .239 |
| a. Based on negative ranks. |
| b. Wilcoxon Signed Ranks Test |