**UJI VALIDITAS *SCIENCE (S)***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | | |
|  | | S.1 | S.2 | S.3 | S.4 | S.5 | S.6 | S.7 | S.8 | Total\_S |
| S.1 | Pearson Correlation | 1 | .530\*\* | .693\*\* | .502\*\* | .514\*\* | .542\*\* | .364 | .271 | .527\*\* |
| Sig. (2-tailed) |  | .005 | .000 | .009 | .007 | .004 | .068 | .180 | .006 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.2 | Pearson Correlation | .530\*\* | 1 | .407\* | .334 | .618\*\* | .394\* | .438\* | .308 | .434\* |
| Sig. (2-tailed) | .005 |  | .039 | .095 | .001 | .046 | .025 | .126 | .027 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.3 | Pearson Correlation | .693\*\* | .407\* | 1 | .260 | .431\* | .653\*\* | .425\* | .426\* | .427\* |
| Sig. (2-tailed) | .000 | .039 |  | .200 | .028 | .000 | .030 | .030 | .030 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.4 | Pearson Correlation | .502\*\* | .334 | .260 | 1 | .468\* | .356 | .505\*\* | .304 | .682\*\* |
| Sig. (2-tailed) | .009 | .095 | .200 |  | .016 | .074 | .008 | .131 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.5 | Pearson Correlation | .514\*\* | .618\*\* | .431\* | .468\* | 1 | .309 | .679\*\* | .281 | .614\*\* |
| Sig. (2-tailed) | .007 | .001 | .028 | .016 |  | .125 | .000 | .164 | .001 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.6 | Pearson Correlation | .542\*\* | .394\* | .653\*\* | .356 | .309 | 1 | .469\* | .600\*\* | .558\*\* |
| Sig. (2-tailed) | .004 | .046 | .000 | .074 | .125 |  | .016 | .001 | .003 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.7 | Pearson Correlation | .364 | .438\* | .425\* | .505\*\* | .679\*\* | .469\* | 1 | .494\* | .574\*\* |
| Sig. (2-tailed) | .068 | .025 | .030 | .008 | .000 | .016 |  | .010 | .002 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| S.8 | Pearson Correlation | .271 | .308 | .426\* | .304 | .281 | .600\*\* | .494\* | 1 | .509\*\* |
| Sig. (2-tailed) | .180 | .126 | .030 | .131 | .164 | .001 | .010 |  | .008 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| Total\_S | Pearson Correlation | .527\*\* | .434\* | .427\* | .682\*\* | .614\*\* | .558\*\* | .574\*\* | .509\*\* | 1 |
| Sig. (2-tailed) | .006 | .027 | .030 | .000 | .001 | .003 | .002 | .008 |  |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | | | | | | | |
| \*. Correlation is significant at the 0.05 level (2-tailed). | | | | | | | | | | |

**UJI VALIDITAS *TECHNOLOGY (T)***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | | |
|  | | T.1 | T.2 | T.3 | T.4 | T.5 | T.6 | T.7 | T.8 | Total\_T |
| T.1 | Pearson Correlation | 1 | .150 | .360 | .246 | .386 | .339 | .296 | .063 | .636\*\* |
| Sig. (2-tailed) |  | .464 | .071 | .226 | .052 | .090 | .142 | .758 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.2 | Pearson Correlation | .150 | 1 | .629\*\* | .342 | .414\* | -.224 | -.088 | -.013 | .555\*\* |
| Sig. (2-tailed) | .464 |  | .001 | .087 | .035 | .272 | .669 | .948 | .003 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.3 | Pearson Correlation | .360 | .629\*\* | 1 | .342 | .362 | .065 | .202 | .231 | .748\*\* |
| Sig. (2-tailed) | .071 | .001 |  | .088 | .069 | .753 | .322 | .256 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.4 | Pearson Correlation | .246 | .342 | .342 | 1 | .258 | -.413\* | .064 | .311 | .544\*\* |
| Sig. (2-tailed) | .226 | .087 | .088 |  | .203 | .036 | .756 | .122 | .004 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.5 | Pearson Correlation | .386 | .414\* | .362 | .258 | 1 | .262 | .248 | .283 | .698\*\* |
| Sig. (2-tailed) | .052 | .035 | .069 | .203 |  | .197 | .222 | .161 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.6 | Pearson Correlation | .339 | -.224 | .065 | -.413\* | .262 | 1 | .486\* | .074 | .270 |
| Sig. (2-tailed) | .090 | .272 | .753 | .036 | .197 |  | .012 | .719 | .183 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.7 | Pearson Correlation | .296 | -.088 | .202 | .064 | .248 | .486\* | 1 | .446\* | .530\*\* |
| Sig. (2-tailed) | .142 | .669 | .322 | .756 | .222 | .012 |  | .022 | .005 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| T.8 | Pearson Correlation | .063 | -.013 | .231 | .311 | .283 | .074 | .446\* | 1 | .488\* |
| Sig. (2-tailed) | .758 | .948 | .256 | .122 | .161 | .719 | .022 |  | .011 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| Total\_T | Pearson Correlation | .636\*\* | .555\*\* | .748\*\* | .544\*\* | .698\*\* | .270 | .530\*\* | .488\* | 1 |
| Sig. (2-tailed) | .000 | .003 | .000 | .004 | .000 | .183 | .005 | .011 |  |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | | | | | | | |
| \*. Correlation is significant at the 0.05 level (2-tailed). | | | | | | | | | | |

**UJI VALIDITAS *ENGINEERING (E)***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | | |
|  | | E.1 | E.2 | E.3 | E.4 | E.5 | E.6 | E.7 | E.8 | Total\_E |
| E.1 | Pearson Correlation | 1 | .209 | .092 | .393\* | .296 | .092 | .107 | .112 | .563\*\* |
| Sig. (2-tailed) |  | .305 | .656 | .047 | .142 | .654 | .603 | .584 | .003 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.2 | Pearson Correlation | .209 | 1 | -.091 | .085 | .237 | .389\* | .222 | .185 | .518\*\* |
| Sig. (2-tailed) | .305 |  | .658 | .679 | .244 | .050 | .275 | .366 | .007 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.3 | Pearson Correlation | .092 | -.091 | 1 | .320 | .108 | .101 | .411\* | .266 | .474\* |
| Sig. (2-tailed) | .656 | .658 |  | .111 | .601 | .623 | .037 | .188 | .014 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.4 | Pearson Correlation | .393\* | .085 | .320 | 1 | .301 | .440\* | .280 | .164 | .698\*\* |
| Sig. (2-tailed) | .047 | .679 | .111 |  | .136 | .025 | .166 | .422 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.5 | Pearson Correlation | .296 | .237 | .108 | .301 | 1 | -.064 | .318 | .132 | .510\*\* |
| Sig. (2-tailed) | .142 | .244 | .601 | .136 |  | .756 | .114 | .521 | .008 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.6 | Pearson Correlation | .092 | .389\* | .101 | .440\* | -.064 | 1 | .212 | .349 | .562\*\* |
| Sig. (2-tailed) | .654 | .050 | .623 | .025 | .756 |  | .298 | .081 | .003 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.7 | Pearson Correlation | .107 | .222 | .411\* | .280 | .318 | .212 | 1 | .413\* | .608\*\* |
| Sig. (2-tailed) | .603 | .275 | .037 | .166 | .114 | .298 |  | .036 | .001 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| E.8 | Pearson Correlation | .112 | .185 | .266 | .164 | .132 | .349 | .413\* | 1 | .535\*\* |
| Sig. (2-tailed) | .584 | .366 | .188 | .422 | .521 | .081 | .036 |  | .005 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| Total\_E | Pearson Correlation | .563\*\* | .518\*\* | .474\* | .698\*\* | .510\*\* | .562\*\* | .608\*\* | .535\*\* | 1 |
| Sig. (2-tailed) | .003 | .007 | .014 | .000 | .008 | .003 | .001 | .005 |  |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| \*. Correlation is significant at the 0.05 level (2-tailed). | | | | | | | | | | |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | | | | | | | |

**UJI VALIDITAS *MATHEMATIC (M)***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | | |
|  | | M.1 | M.2 | M.3 | M.4 | M.5 | M.6 | M.7 | M.8 | Total\_M |
| M.1 | Pearson Correlation | 1 | .409\* | .339 | .585\*\* | .437\* | .413\* | .489\* | -.036 | .653\*\* |
| Sig. (2-tailed) |  | .038 | .090 | .002 | .026 | .036 | .011 | .861 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.2 | Pearson Correlation | .409\* | 1 | .657\*\* | .715\*\* | .367 | .274 | .343 | .473\* | .788\*\* |
| Sig. (2-tailed) | .038 |  | .000 | .000 | .065 | .176 | .086 | .015 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.3 | Pearson Correlation | .339 | .657\*\* | 1 | .381 | .134 | .178 | .334 | .631\*\* | .709\*\* |
| Sig. (2-tailed) | .090 | .000 |  | .055 | .515 | .384 | .095 | .001 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.4 | Pearson Correlation | .585\*\* | .715\*\* | .381 | 1 | .342 | .198 | .492\* | .199 | .710\*\* |
| Sig. (2-tailed) | .002 | .000 | .055 |  | .087 | .333 | .011 | .330 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.5 | Pearson Correlation | .437\* | .367 | .134 | .342 | 1 | .471\* | .486\* | -.139 | .548\*\* |
| Sig. (2-tailed) | .026 | .065 | .515 | .087 |  | .015 | .012 | .498 | .004 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.6 | Pearson Correlation | .413\* | .274 | .178 | .198 | .471\* | 1 | .494\* | .273 | .632\*\* |
| Sig. (2-tailed) | .036 | .176 | .384 | .333 | .015 |  | .010 | .177 | .001 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.7 | Pearson Correlation | .489\* | .343 | .334 | .492\* | .486\* | .494\* | 1 | .177 | .718\*\* |
| Sig. (2-tailed) | .011 | .086 | .095 | .011 | .012 | .010 |  | .388 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| M.8 | Pearson Correlation | -.036 | .473\* | .631\*\* | .199 | -.139 | .273 | .177 | 1 | .540\*\* |
| Sig. (2-tailed) | .861 | .015 | .001 | .330 | .498 | .177 | .388 |  | .004 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| Total\_M | Pearson Correlation | .653\*\* | .788\*\* | .709\*\* | .710\*\* | .548\*\* | .632\*\* | .718\*\* | .540\*\* | 1 |
| Sig. (2-tailed) | .000 | .000 | .000 | .000 | .004 | .001 | .000 | .004 |  |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| \*. Correlation is significant at the 0.05 level (2-tailed). | | | | | | | | | | |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | | | | | | | |

**UJI VALIDITAS *SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATIC (STEM)***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Correlations** | | | | | | | | | | |
|  | | STEM.1 | STEM.2 | STEM.3 | STEM.4 | STEM.5 | STEM.6 | STEM.7 | STEM.8 | Total\_STEM |
| STEM.1 | Pearson Correlation | 1 | .600\*\* | .635\*\* | .388 | .196 | .519\*\* | .428\* | .308 | .809\*\* |
| Sig. (2-tailed) |  | .001 | .000 | .050 | .337 | .007 | .029 | .126 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.2 | Pearson Correlation | .600\*\* | 1 | .395\* | .158 | .193 | .709\*\* | .349 | .428\* | .772\*\* |
| Sig. (2-tailed) | .001 |  | .046 | .442 | .344 | .000 | .081 | .029 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.3 | Pearson Correlation | .635\*\* | .395\* | 1 | .437\* | .281 | .316 | .342 | .036 | .689\*\* |
| Sig. (2-tailed) | .000 | .046 |  | .026 | .164 | .116 | .087 | .863 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.4 | Pearson Correlation | .388 | .158 | .437\* | 1 | -.165 | -.105 | .346 | -.060 | .408\* |
| Sig. (2-tailed) | .050 | .442 | .026 |  | .420 | .611 | .084 | .773 | .039 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.5 | Pearson Correlation | .196 | .193 | .281 | -.165 | 1 | .215 | .226 | .165 | .403\* |
| Sig. (2-tailed) | .337 | .344 | .164 | .420 |  | .291 | .267 | .419 | .041 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.6 | Pearson Correlation | .519\*\* | .709\*\* | .316 | -.105 | .215 | 1 | .440\* | .275 | .686\*\* |
| Sig. (2-tailed) | .007 | .000 | .116 | .611 | .291 |  | .024 | .174 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.7 | Pearson Correlation | .428\* | .349 | .342 | .346 | .226 | .440\* | 1 | .231 | .707\*\* |
| Sig. (2-tailed) | .029 | .081 | .087 | .084 | .267 | .024 |  | .257 | .000 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| STEM.8 | Pearson Correlation | .308 | .428\* | .036 | -.060 | .165 | .275 | .231 | 1 | .478\* |
| Sig. (2-tailed) | .126 | .029 | .863 | .773 | .419 | .174 | .257 |  | .014 |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| Total\_STEM | Pearson Correlation | .809\*\* | .772\*\* | .689\*\* | .408\* | .403\* | .686\*\* | .707\*\* | .478\* | 1 |
| Sig. (2-tailed) | .000 | .000 | .000 | .039 | .041 | .000 | .000 | .014 |  |
| N | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| \*\*. Correlation is significant at the 0.01 level (2-tailed). | | | | | | | | | | |
| \*. Correlation is significant at the 0.05 level (2-tailed). | | | | | | | | | | |

**UJI RELIABILITAS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case Processing Summary** | | | |
|  | | N | % |
| Cases | Valid | 26 | 100.0 |
| Excludeda | 0 | .0 |
| Total | 26 | 100.0 |
| a. Listwise deletion based on all variables in the procedure. | | | |

|  |  |
| --- | --- |
| **Reliability Statistics** | |
| Cronbach's Alpha | N of Items |
| .905 | 39 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item-Total Statistics** | | | | |
|  | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
| S.1 | 137.00 | 197.680 | .624 | .900 |
| S.2 | 137.35 | 198.155 | .575 | .901 |
| S.3 | 137.04 | 196.598 | .580 | .901 |
| S.4 | 136.65 | 195.275 | .590 | .900 |
| S.5 | 136.88 | 190.106 | .598 | .900 |
| S.6 | 137.81 | 197.442 | .589 | .901 |
| S.7 | 136.81 | 192.482 | .778 | .898 |
| S.8 | 136.77 | 200.585 | .448 | .902 |
| T.1 | 136.85 | 209.335 | .022 | .908 |
| T.2 | 137.23 | 205.945 | .165 | .906 |
| T.3 | 136.85 | 201.095 | .374 | .903 |
| T.4 | 136.92 | 201.034 | .343 | .904 |
| T.5 | 137.15 | 204.455 | .299 | .904 |
| T.7 | 136.50 | 202.180 | .420 | .903 |
| T.8 | 136.00 | 204.400 | .348 | .904 |
| E.1 | 137.38 | 204.246 | .182 | .907 |
| E.2 | 136.96 | 198.678 | .391 | .903 |
| E.3 | 137.27 | 202.685 | .291 | .905 |
| E.4 | 137.27 | 198.925 | .364 | .904 |
| E.5 | 137.69 | 206.702 | .147 | .906 |
| E.6 | 136.58 | 203.854 | .270 | .905 |
| E.7 | 137.23 | 198.985 | .613 | .901 |
| E.8 | 136.27 | 200.445 | .486 | .902 |
| M.1 | 137.19 | 200.402 | .440 | .902 |
| M.2 | 137.58 | 200.974 | .437 | .903 |
| M.3 | 137.23 | 196.905 | .504 | .901 |
| M.4 | 137.58 | 202.414 | .336 | .904 |
| M.5 | 137.54 | 201.058 | .417 | .903 |
| M.6 | 137.08 | 193.914 | .622 | .900 |
| M.7 | 137.19 | 196.722 | .509 | .901 |
| M.8 | 136.73 | 195.165 | .471 | .902 |
| STEM.1 | 136.50 | 199.780 | .618 | .901 |
| STEM.2 | 136.77 | 197.385 | .607 | .900 |
| STEM.3 | 136.27 | 200.765 | .430 | .903 |
| STEM.4 | 136.88 | 202.506 | .393 | .903 |
| STEM.5 | 136.85 | 206.295 | .223 | .905 |
| STEM.6 | 137.08 | 201.434 | .423 | .903 |
| STEM.7 | 137.46 | 196.898 | .515 | .901 |
| STEM.8 | 137.00 | 206.000 | .196 | .905 |