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**APPENDIX 1**

**Validity of the Pre-Test and Post-Test**

***Table 17 Validity of Pre-Test***

**Correlations**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Q0 1 | Q0 2 | Q0 3 | Q0 4 | Q0 5 | Q0 6 | Q0 7 | Q0 8 | Q0 9 | Q1 0 | Q1 1 | Q1 2 | Q1 3 | Q1 4 | Q1 5 | Q1 6 | Q1 7 | Q1 8 | Q1 9 | Q2 0 | Q2 1 | Q2 2 | Q2 3 | Q2 4 | Q2 5 | Tot al |
| Q0 1 | Pearson Correlat ion | 1 | .40  8 | .6  81 | .40  8 | .8  40 | .00  0 | .1  05 | .45  9 | .28  9 | .0  50 | .49  0 | .0  50 | .4  91 | .2  01 | .3  57 | .49  0 | .25  0 | .68  8 | .25  0 | .45  9 | .37  5 | .49  0 | .68  8 | .28  9 | .37  5 | .63  4 |
|  | Sig. (2- |  | .07 | .0 | .07 | .0 | 1.0 | .6 | .04 | .21 | .8 | .02 | .8 | .0 | .3 | .1 | .02 | .28 | .00 | .28 | .04 | .10 | .02 | .00 | .21 | .10 | .00 |
| tailed) | 4 | 01 | 4 | 00 | 00 | 60 | 2 | 7 | 33 | 8 | 33 | 28 | 95 | 22 | 8 | 8 | 1 | 8 | 2 | 3 | 8 | 1 | 7 | 3 | 3 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 2 | Pearson Correlat ion | .40  8 | 1 | .3  85 | 1.0  00 | .3  43 | .81  6 | .6  85 | .18  7 | .00  0 | .7  39 | .34  3 | .7  39 | .5  35 | .6  98 | .6  67 | .34  3 | .27  2 | .40  8 | .27  2 | .18  7 | .15  3 | .34  3 | .40  8 | .00  0 | .15  3 | .77  7 |
|  | Sig. (2- | .07 |  | .0 | .00 | .1 | .00 | .0 | .42 | 1.0 | .0 | .13 | .0 | .0 | .0 | .0 | .13 | .24 | .07 | .24 | .42 | .51 | .13 | .07 | 1.0 | .51 | .00 |
| tailed) | 4 | 94 | 0 | 39 | 0 | 01 | 9 | 00 | 00 | 9 | 00 | 15 | 01 | 01 | 9 | 6 | 4 | 6 | 9 | 9 | 9 | 4 | 00 | 9 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 3 | Pearson Correlat ion | .68  1 | .38  5 | 1 | .38  5 | .5  72 | .10  5 | .3  19 | .31  3 | .54  5 | .1  79 | .57  2 | .1  79 | .4  35 | .4  53 | .2  57 | .57  2 | .45  4 | .68  1 | .45  4 | .31  3 | .68  1 | .57  2 | .68  1 | .30  3 | .41  9 | .73  5 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sig. (2-  tailed) | .00  1 | .09  4 | 20 | .09  4 | .0  08 | .66  0 | .1  71 | .18  0 | .01  3 | .4  50 | .00  8 | .4  50 | .0  55 | .0  45 | .2  74 | .00  8 | .04  4 | .00  1 | .04  4 | .18  0 | .00  1 | .00  8 | .00  1 | .19  5 | .06  6 | .00  0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 4 | Pearson Correlat ion | .40  8 | 1.0  00 | .3  85 | 1 | .3  43 | .81  6 | .6  85 | .18  7 | .00  0 | .7  39 | .34  3 | .7  39 | .5  35 | .6  98 | .6  67 | .34  3 | .27  2 | .40  8 | .27  2 | .18  7 | .15  3 | .34  3 | .40  8 | .00  0 | .15  3 | .77  7 |
|  | Sig. (2- | .07 | .00 | .0 |  | .1 | .00 | .0 | .42 | 1.0 | .0 | .13 | .0 | .0 | .0 | .0 | .13 | .24 | .07 | .24 | .42 | .51 | .13 | .07 | 1.0 | .51 | .00 |
| tailed) | 4 | 0 | 94 | 39 | 0 | 01 | 9 | 00 | 00 | 9 | 00 | 15 | 01 | 01 | 9 | 6 | 4 | 6 | 9 | 9 | 9 | 4 | 00 | 9 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 5 | Pearson Correlat ion | .84  0 | .34  3 | .5  72 | .34  3 | 1 | -  .14  0 | .0  15 | .54  6 | .08  1 | -  .0  99 | .21  6 | -  .0  99 | .6  42 | .0  99 | .5  14 | .21  6 | -  .14  0 | .49  0 | -  .14  0 | .54  6 | .14  0 | .21  6 | .49  0 | .08  1 | .14  0 | .47  7 |
|  | Sig. (2- | .00 | .13 | .0 | .13 |  | .55 | .9 | .01 | .73 | .6 | .36 | .6 | .0 | .6 | .0 | .36 | .55 | .02 | .55 | .01 | .55 | .36 | .02 | .73 | .55 | .03 |
| tailed) | 0 | 9 | 08 | 9 | 6 | 51 | 3 | 5 | 79 | 1 | 79 | 02 | 79 | 20 | 1 | 6 | 8 | 6 | 3 | 6 | 1 | 8 | 5 | 6 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 6 | Pearson Correlat ion | .00  0 | .81  6 | .1  05 | .81  6 | -  .1  40 | 1 | .5  24 | .22  9 | .11  5 | .7  04 | .42  0 | .7  04 | .2  18 | .7  04 | .4  08 | .42  0 | .33  3 | .25  0 | .33  3 | .22  9 | .00  0 | .42  0 | .25  0 | .11  5 | .00  0 | .62  6 |
|  | Sig. (2- | 1.0 | .00 | .6 | .00 | .5 |  | .0 | .33 | .62 | .0 | .06 | .0 | .3 | .0 | .0 | .06 | .15 | .28 | .15 | .33 | 1.0 | .06 | .28 | .62 | 1.0 | .00 |
|  | tailed) | 00 | 0 | 60 | 0 | 56 |  | 18 | 1 | 8 | 01 | 5 | 01 | 55 | 01 | 74 | 5 | 1 | 8 | 1 | 1 | 00 | 5 | 8 | 8 | 00 | 3 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| N | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 7 | Pearson Correlat ion | .10  5 | .68  5 | .3  19 | .68  5 | .0  15 | .52  4 | 1 | -  .31  3 | .18  2 | .6  64 | .01  5 | .6  64 | .2  52 | .6  01 | .3  85 | .01  5 | .24  5 | .10  5 | .24  5 | -  .31  3 | .36  7 | .01  5 | .10  5 | -  .06  1 | .10  5 | .51  1 |
|  | Sig. (2- | .66 | .00 | .1 | .00 | .9 | .01 |  | .18 | .44 | .0 | .95 | .0 | .2 | .0 | .0 | .95 | .29 | .66 | .29 | .18 | .11 | .95 | .66 | .80 | .66 | .02 |
| tailed) | 0 | 1 | 71 | 1 | 51 | 8 | 0 | 4 | 01 | 1 | 01 | 85 | 05 | 94 | 1 | 9 | 0 | 9 | 0 | 2 | 1 | 0 | 0 | 0 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 8 | Pearson Correlat ion | .45  9 | .18  7 | .3  13 | .18  7 | .5  46 | .22  9 | -  .3  13 | 1 | .39  7 | -  .2  08 | .54  6 | -  .2  08 | .3  50 | .2  08 | .2  81 | .54  6 | -  .07  6 | .45  9 | -  .07  6 | 1.0  00 | -  .11  5 | .54  6 | .45  9 | .39  7 | -  .11  5 | .44  9 |
|  | Sig. (2- | .04 | .42 | .1 | .42 | .0 | .33 | .1 |  | .08 | .3 | .01 | .3 | .1 | .3 | .2 | .01 | .74 | .04 | .74 | .00 | .63 | .01 | .04 | .08 | .63 | .04 |
| tailed) | 2 | 9 | 80 | 9 | 13 | 1 | 80 | 3 | 80 | 3 | 80 | 30 | 80 | 30 | 3 | 9 | 2 | 9 | 0 | 0 | 3 | 2 | 3 | 0 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 9 | Pearson Correlat ion | .28  9 | .00  0 | .5  45 | .00  0 | .0  81 | .11  5 | .1  82 | .39  7 | 1 | -  .0  58 | .72  8 | -  .0  58 | -  .1  26 | .2  90 | -  .2  36 | .72  8 | .57  7 | .57  7 | .57  7 | .39  7 | .57  7 | .72  8 | .57  7 | .73  3 | .28  9 | .52  6 |
|  | Sig. (2- | .21 | 1.0 | .0 | 1.0 | .7 | .62 | .4 | .08 |  | .8 | .00 | .8 | .5 | .2 | .3 | .00 | .00 | .00 | .00 | .08 | .00 | .00 | .00 | .00 | .21 | .01 |
| tailed) | 7 | 00 | 13 | 00 | 35 | 8 | 44 | 3 | 08 | 0 | 08 | 97 | 15 | 17 | 0 | 8 | 8 | 8 | 3 | 8 | 0 | 8 | 0 | 7 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 0 | Pearson Correlat ion | .05  0 | .73  9 | .1  79 | .73  9 | -  .0  99 | .70  4 | .6  64 | -  .20  8 | -  .05  8 | 1 | .18  3 | .7  98 | .2  85 | .8  18 | .4  92 | .18  3 | .36  9 | .05  0 | .36  9 | -  .20  8 | .05  0 | .18  3 | .05  0 | -  .05  8 | .05  0 | .55  4 |
|  | Sig. (2- | .83 | .00 | .4 | .00 | .6 | .00 | .0 | .38 | .80 |  | .44 | .0 | .2 | .0 | .0 | .44 | .11 | .83 | .11 | .38 | .83 | .44 | .83 | .80 | .83 | .01 |
| tailed) | 3 | 0 | 50 | 0 | 79 | 1 | 01 | 0 | 8 | 0 | 00 | 23 | 00 | 27 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 3 | 8 | 3 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 1 | Pearson Correlat ion | .49  0 | .34  3 | .5  72 | .34  3 | .2  16 | .42  0 | .0  15 | .54  6 | .72  8 | .1  83 | 1 | .1  83 | .0  31 | .3  80 | -  .0  57 | 1.0  00 | .79  3 | .84  0 | .79  3 | .54  6 | .49  0 | 1.0  00 | .84  0 | .72  8 | .49  0 | .78  3 |
|  | Sig. (2- | .02 | .13 | .0 | .13 | .3 | .06 | .9 | .01 | .00 | .4 |  | .4 | .8 | .0 | .8 | .00 | .00 | .00 | .00 | .01 | .02 | .00 | .00 | .00 | .02 | .00 |
| tailed) | 8 | 9 | 08 | 9 | 61 | 5 | 51 | 3 | 0 | 40 | 40 | 98 | 98 | 11 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 8 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 2 | Pearson Correlat ion | .05  0 | .73  9 | .1  79 | .73  9 | -  .0  99 | .70  4 | .6  64 | -  .20  8 | -  .05  8 | .7  98 | .18  3 | 1 | .2  85 | .6  16 | .4  92 | .18  3 | .36  9 | .30  2 | .36  9 | -  .20  8 | .30  2 | .18  3 | .30  2 | -  .05  8 | .30  2 | .60  1 |
|  | Sig. (2- | .83 | .00 | .4 | .00 | .6 | .00 | .0 | .38 | .80 | .0 | .44 |  | .2 | .0 | .0 | .44 | .11 | .19 | .11 | .38 | .19 | .44 | .19 | .80 | .19 | .00 |
| tailed) | 3 | 0 | 50 | 0 | 79 | 1 | 01 | 0 | 8 | 00 | 0 | 23 | 04 | 27 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 6 | 8 | 6 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 3 | Pearson Correlat ion | .49  1 | .53  5 | .4  35 | .53  5 | .6  42 | .21  8 | .2  52 | .35  0 | -  .12  6 | .2  85 | .03  1 | .2  85 | 1 | .3  73 | .8  02 | .03  1 | -  .21  8 | .21  8 | -  .21  8 | .35  0 | -  .05  5 | .03  1 | .21  8 | -  .12  6 | -  .05  5 | .44  7 |
|  | Sig. (2- | .02 | .01 | .0 | .01 | .0 | .35 | .2 | .13 | .59 | .2 | .89 | .2 |  | .1 | .0 | .89 | .35 | .35 | .35 | .13 | .81 | .89 | .35 | .59 | .81 | .04 |
| tailed) | 8 | 5 | 55 | 5 | 02 | 5 | 85 | 0 | 7 | 23 | 8 | 23 | 05 | 00 | 8 | 5 | 5 | 5 | 0 | 9 | 8 | 5 | 7 | 9 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 4 | Pearson Correlat ion | .20  1 | .69  8 | .4  53 | .69  8 | .0  99 | .70  4 | .6  01 | .20  8 | .29  0 | .8  18 | .38  0 | .6  16 | .3  73 | 1 | .5  33 | .38  0 | .30  2 | .20  1 | .30  2 | .20  8 | .20  1 | .38  0 | .20  1 | .05  8 | -  .05  0 | .68  9 |
|  | Sig. (2- | .39 | .00 | .0 | .00 | .6 | .00 | .0 | .38 | .21 | .0 | .09 | .0 | .1 |  | .0 | .09 | .19 | .39 | .19 | .38 | .39 | .09 | .39 | .80 | .83 | .00 |
| tailed) | 5 | 1 | 45 | 1 | 79 | 1 | 05 | 0 | 5 | 00 | 8 | 04 | 05 | 15 | 8 | 6 | 5 | 6 | 0 | 5 | 8 | 5 | 8 | 3 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 5 | Pearson Correlat ion | .35  7 | .66  7 | .2  57 | .66  7 | .5  14 | .40  8 | .3  85 | .28  1 | -  .23  6 | .4  92 | -  .05  7 | .4  92 | .8  02 | .5  33 | 1 | -  .05  7 | -  .27  2 | .10  2 | -  .27  2 | .28  1 | -  .15  3 | -  .05  7 | .10  2 | -  .23  6 | -  .15  3 | .44  7 |
|  | Sig. (2- | .12 | .00 | .2 | .00 | .0 | .07 | .0 | .23 | .31 | .0 | .81 | .0 | .0 | .0 |  | .81 | .24 | .66 | .24 | .23 | .51 | .81 | .66 | .31 | .51 | .04 |
| tailed) | 2 | 1 | 74 | 1 | 20 | 4 | 94 | 0 | 7 | 27 | 1 | 27 | 00 | 15 | 1 | 6 | 9 | 6 | 0 | 9 | 1 | 9 | 7 | 9 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 6 | Pearson Correlat ion | .49  0 | .34  3 | .5  72 | .34  3 | .2  16 | .42  0 | .0  15 | .54  6 | .72  8 | .1  83 | 1.0  00 | .1  83 | .0  31 | .3  80 | -  .0  57 | 1 | .79  3 | .84  0 | .79  3 | .54  6 | .49  0 | 1.0  00 | .84  0 | .72  8 | .49  0 | .78  3 |
|  | Sig. (2- | .02 | .13 | .0 | .13 | .3 | .06 | .9 | .01 | .00 | .4 | .00 | .4 | .8 | .0 | .8 |  | .00 | .00 | .00 | .01 | .02 | .00 | .00 | .00 | .02 | .00 |
| tailed) | 8 | 9 | 08 | 9 | 61 | 5 | 51 | 3 | 0 | 40 | 0 | 40 | 98 | 98 | 11 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 0 | 8 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 7 | Pearson Correlat ion | .25  0 | .27  2 | .4  54 | .27  2 | -  .1  40 | .33  3 | .2  45 | -  .07  6 | .57  7 | .3  69 | .79  3 | .3  69 | -  .2  18 | .3  02 | -  .2  72 | .79  3 | 1 | .66  7 | 1.0  00 | -  .07  6 | .66  7 | .79  3 | .66  7 | .57  7 | .66  7 | .64  7 |
|  | Sig. (2- | .28 | .24 | .0 | .24 | .5 | .15 | .2 | .74 | .00 | .1 | .00 | .1 | .3 | .1 | .2 | .00 |  | .00 | .00 | .74 | .00 | .00 | .00 | .00 | .00 | .00 |
| tailed) | 8 | 6 | 44 | 6 | 56 | 1 | 99 | 9 | 8 | 10 | 0 | 10 | 55 | 96 | 46 | 0 | 1 | 0 | 9 | 1 | 0 | 1 | 8 | 1 | 2 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 8 | Pearson Correlat ion | .68  8 | .40  8 | .6  81 | .40  8 | .4  90 | .25  0 | .1  05 | .45  9 | .57  7 | .0  50 | .84  0 | .3  02 | .2  18 | .2  01 | .1  02 | .84  0 | .66  7 | 1 | .66  7 | .45  9 | .68  8 | .84  0 | 1.0  00 | .57  7 | .68  8 | .81  2 |
|  | Sig. (2- | .00 | .07 | .0 | .07 | .0 | .28 | .6 | .04 | .00 | .8 | .00 | .1 | .3 | .3 | .6 | .00 | .00 |  | .00 | .04 | .00 | .00 | .00 | .00 | .00 | .00 |
| tailed) | 1 | 4 | 01 | 4 | 28 | 8 | 60 | 2 | 8 | 33 | 0 | 96 | 55 | 95 | 69 | 0 | 1 | 1 | 2 | 1 | 0 | 0 | 8 | 1 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 9 | Pearson Correlat ion | .25  0 | .27  2 | .4  54 | .27  2 | -  .1  40 | .33  3 | .2  45 | -  .07  6 | .57  7 | .3  69 | .79  3 | .3  69 | -  .2  18 | .3  02 | -  .2  72 | .79  3 | 1.0  00 | .66  7 | 1 | -  .07  6 | .66  7 | .79  3 | .66  7 | .57  7 | .66  7 | .64  7 |
|  | Sig. (2- | .28 | .24 | .0 | .24 | .5 | .15 | .2 | .74 | .00 | .1 | .00 | .1 | .3 | .1 | .2 | .00 | .00 | .00 |  | .74 | .00 | .00 | .00 | .00 | .00 | .00 |
| tailed) | 8 | 6 | 44 | 6 | 56 | 1 | 99 | 9 | 8 | 10 | 0 | 10 | 55 | 96 | 46 | 0 | 0 | 1 | 9 | 1 | 0 | 1 | 8 | 1 | 2 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 0 | Pearson Correlat ion | .45  9 | .18  7 | .3  13 | .18  7 | .5  46 | .22  9 | -  .3  13 | 1.0  00 | .39  7 | -  .2  08 | .54  6 | -  .2  08 | .3  50 | .2  08 | .2  81 | .54  6 | -  .07  6 | .45  9 | -  .07  6 | 1 | -  .11  5 | .54  6 | .45  9 | .39  7 | -  .11  5 | .44  9 |
|  | Sig. (2- | .04 | .42 | .1 | .42 | .0 | .33 | .1 | .00 | .08 | .3 | .01 | .3 | .1 | .3 | .2 | .01 | .74 | .04 | .74 |  | .63 | .01 | .04 | .08 | .63 | .04 |
| tailed) | 2 | 9 | 80 | 9 | 13 | 1 | 80 | 0 | 3 | 80 | 3 | 80 | 30 | 80 | 30 | 3 | 9 | 2 | 9 | 0 | 3 | 2 | 3 | 0 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 1 | Pearson Correlat ion | .37  5 | .15  3 | .6  81 | .15  3 | .1  40 | .00  0 | .3  67 | -  .11  5 | .57  7 | .0  50 | .49  0 | .3  02 | -  .0  55 | .2  01 | -  .1  53 | .49  0 | .66  7 | .68  8 | .66  7 | -  .11  5 | 1 | .49  0 | .68  8 | .28  9 | .68  8 | .55  5 |
|  | Sig. (2- | .10 | .51 | .0 | .51 | .5 | 1.0 | .1 | .63 | .00 | .8 | .02 | .1 | .8 | .3 | .5 | .02 | .00 | .00 | .00 | .63 |  | .02 | .00 | .21 | .00 | .01 |
| tailed) | 3 | 9 | 01 | 9 | 56 | 00 | 12 | 0 | 8 | 33 | 8 | 96 | 19 | 95 | 19 | 8 | 1 | 1 | 1 | 0 | 8 | 1 | 7 | 1 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q2 2 | Pearson Correlat ion | .49  0 | .34  3 | .5  72 | .34  3 | .2  16 | .42  0 | .0  15 | .54  6 | .72  8 | .1  83 | 1.0  00 | .1  83 | .0  31 | .3  80 | -  .0  57 | 1.0  00 | .79  3 | .84  0 | .79  3 | .54  6 | .49  0 | 1 | .84  0 | .72  8 | .49  0 | .78  3 |
|  | Sig. (2- | .02 | .13 | .0 | .13 | .3 | .06 | .9 | .01 | .00 | .4 | .00 | .4 | .8 | .0 | .8 | .00 | .00 | .00 | .00 | .01 | .02 |  | .00 | .00 | .02 | .00 |
| tailed) | 8 | 9 | 08 | 9 | 61 | 5 | 51 | 3 | 0 | 40 | 0 | 40 | 98 | 98 | 11 | 0 | 0 | 0 | 0 | 3 | 8 | 0 | 0 | 8 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 3 | Pearson Correlat ion | .68  8 | .40  8 | .6  81 | .40  8 | .4  90 | .25  0 | .1  05 | .45  9 | .57  7 | .0  50 | .84  0 | .3  02 | .2  18 | .2  01 | .1  02 | .84  0 | .66  7 | 1.0  00 | .66  7 | .45  9 | .68  8 | .84  0 | 1 | .57  7 | .68  8 | .81  2 |
|  | Sig. (2- | .00 | .07 | .0 | .07 | .0 | .28 | .6 | .04 | .00 | .8 | .00 | .1 | .3 | .3 | .6 | .00 | .00 | .00 | .00 | .04 | .00 | .00 |  | .00 | .00 | .00 |
| tailed) | 1 | 4 | 01 | 4 | 28 | 8 | 60 | 2 | 8 | 33 | 0 | 96 | 55 | 95 | 69 | 0 | 1 | 0 | 1 | 2 | 1 | 0 | 8 | 1 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 4 | Pearson Correlat ion | .28  9 | .00  0 | .3  03 | .00  0 | .0  81 | .11  5 | -  .0  61 | .39  7 | .73  3 | -  .0  58 | .72  8 | -  .0  58 | -  .1  26 | .0  58 | -  .2  36 | .72  8 | .57  7 | .57  7 | .57  7 | .39  7 | .28  9 | .72  8 | .57  7 | 1 | .57  7 | .47  1 |
|  | Sig. (2- | .21 | 1.0 | .1 | 1.0 | .7 | .62 | .8 | .08 | .00 | .8 | .00 | .8 | .5 | .8 | .3 | .00 | .00 | .00 | .00 | .08 | .21 | .00 | .00 |  | .00 | .03 |
| tailed) | 7 | 00 | 95 | 00 | 35 | 8 | 00 | 3 | 0 | 08 | 0 | 08 | 97 | 08 | 17 | 0 | 8 | 8 | 8 | 3 | 7 | 0 | 8 | 8 | 6 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q2 5 | Pearson Correlat ion | .37  5 | .15  3 | .4  19 | .15  3 | .1  40 | .00  0 | .1  05 | -  .11  5 | .28  9 | .0  50 | .49  0 | .3  02 | -  .0  55 | -  .0  50 | -  .1  53 | .49  0 | .66  7 | .68  8 | .66  7 | -  .11  5 | .68  8 | .49  0 | .68  8 | .57  7 | 1 | .49  5 |
|  | Sig. (2- | .10 | .51 | .0 | .51 | .5 | 1.0 | .6 | .63 | .21 | .8 | .02 | .1 | .8 | .8 | .5 | .02 | .00 | .00 | .00 | .63 | .00 | .02 | .00 | .00 |  | .02 |
| tailed) | 3 | 9 | 66 | 9 | 56 | 00 | 60 | 0 | 7 | 33 | 8 | 96 | 19 | 33 | 19 | 8 | 1 | 1 | 1 | 0 | 1 | 8 | 1 | 8 | 6 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Tot al | Pearson Correlat ion | .63  4 | .77  7 | .7  35 | .77  7 | .4  77 | .62  6 | .5  11 | .44  9 | .52  6 | .5  54 | .78  3 | .6  01 | .4  47 | .6  89 | .4  47 | .78  3 | .64  7 | .81  2 | .64  7 | .44  9 | .55  5 | .78  3 | .81  2 | .47  1 | .49  5 | 1 |
|  | Sig. (2- | .00 | .00 | .0 | .00 | .0 | .00 | .0 | .04 | .01 | .0 | .00 | .0 | .0 | .0 | .0 | .00 | .00 | .00 | .00 | .04 | .01 | .00 | .00 | .03 | .02 |  |
| tailed) | 3 | 0 | 00 | 0 | 35 | 3 | 21 | 5 | 7 | 11 | 0 | 05 | 47 | 01 | 47 | 0 | 2 | 0 | 2 | 5 | 1 | 0 | 0 | 6 | 6 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

***Table 18 Validity of Post-Test***

**Correlations**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Q0 1 | Q0 2 | Q0 3 | Q0 4 | Q0 5 | Q0 6 | Q0 7 | Q0 8 | Q0 9 | Q1 0 | Q1 1 | Q1 2 | Q1 3 | Q1 4 | Q1 5 | Q1 6 | Q1 7 | Q1 8 | Q1 9 | Q2 0 | Q2 1 | Q2 2 | Q2 3 | Q2 4 | Q2 5 | Tot al |
| Q0 1 | Pearson Correlat ion | 1 | .44  4 | .44  4 | .68  8 | .68  8 | .44  4 | .68  8 | .44  4 | .44  4 | .32  7 | .44  4 | .19  2 | .32  7 | .19  2 | .25  0 | .25  0 | -  .16  7 | .14  5 | .36  9 | .33  3 | .36  9 | .10  5 | -  .16  7 | .19  2 | .33  3 | .50  0 |
|  | Sig. (2- |  | .05 | .05 | .00 | .00 | .05 | .00 | .05 | .05 | .16 | .05 | .41 | .16 | .41 | .28 | .28 | .48 | .54 | .11 | .15 | .11 | .66 | .48 | .41 | .15 | .02 |
| tailed) | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 8 | 8 | 2 | 1 | 0 | 1 | 0 | 0 | 2 | 6 | 1 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 2 | Pearson Correlat ion | .44  4 | 1 | .44  4 | .68  8 | .68  8 | .44  4 | .68  8 | .44  4 | 1.0  00 | .79  3 | .44  4 | .57  7 | .32  7 | .57  7 | .66  7 | .66  7 | .25  0 | .14  5 | .36  9 | .33  3 | .03  4 | .45  4 | .25  0 | .57  7 | .33  3 | .75  6 |
|  | Sig. (2- | .05 |  | .05 | .00 | .00 | .05 | .00 | .05 | .00 | .00 | .05 | .00 | .16 | .00 | .00 | .00 | .28 | .54 | .11 | .15 | .88 | .04 | .28 | .00 | .15 | .00 |
| tailed) | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 0 | 8 | 1 | 1 | 8 | 1 | 0 | 1 | 8 | 4 | 8 | 8 | 1 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q0 3 | Pearson Correlat ion | .44  4 | .44  4 | 1 | .68  8 | .68  8 | .44  4 | .68  8 | .44  4 | .44  4 | .32  7 | .44  4 | .19  2 | .32  7 | .57  7 | .66  7 | .66  7 | .25  0 | .50  9 | .36  9 | .33  3 | .36  9 | .45  4 | .25  0 | .57  7 | .33  3 | .72  8 |
|  | Sig. (2- | .05 | .05 |  | .00 | .00 | .05 | .00 | .05 | .05 | .16 | .05 | .41 | .16 | .00 | .00 | .00 | .28 | .02 | .11 | .15 | .11 | .04 | .28 | .00 | .15 | .00 |
| tailed) | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 8 | 1 | 1 | 8 | 2 | 0 | 1 | 0 | 4 | 8 | 8 | 1 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 4 | Pearson Correlat ion | .68  8 | .68  8 | .68  8 | 1 | 1.0  00 | .68  8 | 1.0  00 | .68  8 | .68  8 | .54  6 | .68  8 | .39  7 | .54  6 | .39  7 | .45  9 | .45  9 | -  .11  5 | .35  0 | .25  4 | .22  9 | .25  4 | .31  3 | -  .11  5 | .39  7 | .22  9 | .69  7 |
|  | Sig. (2- | .00 | .00 | .00 |  | .00 | .00 | .00 | .00 | .00 | .01 | .00 | .08 | .01 | .08 | .04 | .04 | .63 | .13 | .28 | .33 | .28 | .18 | .63 | .08 | .33 | .00 |
| tailed) | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 3 | 1 | 3 | 3 | 3 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 5 | Pearson Correlat ion | .68  8 | .68  8 | .68  8 | 1.0  00 | 1 | .68  8 | 1.0  00 | .68  8 | .68  8 | .54  6 | .68  8 | .39  7 | .54  6 | .39  7 | .45  9 | .45  9 | -  .11  5 | .35  0 | .25  4 | .22  9 | .25  4 | .31  3 | -  .11  5 | .39  7 | .22  9 | .69  7 |
|  | Sig. (2- | .00 | .00 | .00 | .00 |  | .00 | .00 | .00 | .00 | .01 | .00 | .08 | .01 | .08 | .04 | .04 | .63 | .13 | .28 | .33 | .28 | .18 | .63 | .08 | .33 | .00 |
| tailed) | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 3 | 1 | 3 | 3 | 3 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q0 6 | Pearson Correlat ion | .44  4 | .44  4 | .44  4 | .68  8 | .68  8 | 1 | .68  8 | .44  4 | .44  4 | .32  7 | 1.0  00 | .19  2 | .32  7 | .19  2 | .25  0 | .25  0 | -  .16  7 | .50  9 | .36  9 | .33  3 | .36  9 | .45  4 | -  .16  7 | .19  2 | .33  3 | .58  5 |
|  | Sig. (2- | .05 | .05 | .05 | .00 | .00 |  | .00 | .05 | .05 | .16 | .00 | .41 | .16 | .41 | .28 | .28 | .48 | .02 | .11 | .15 | .11 | .04 | .48 | .41 | .15 | .00 |
| tailed) | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 8 | 8 | 2 | 2 | 0 | 1 | 0 | 4 | 2 | 6 | 1 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 7 | Pearson Correlat ion | .68  8 | .68  8 | .68  8 | 1.0  00 | 1.0  00 | .68  8 | 1 | .68  8 | .68  8 | .54  6 | .68  8 | .39  7 | .54  6 | .39  7 | .45  9 | .45  9 | -  .11  5 | .35  0 | .25  4 | .22  9 | .25  4 | .31  3 | -  .11  5 | .39  7 | .22  9 | .69  7 |
|  | Sig. (2- | .00 | .00 | .00 | .00 | .00 | .00 |  | .00 | .00 | .01 | .00 | .08 | .01 | .08 | .04 | .04 | .63 | .13 | .28 | .33 | .28 | .18 | .63 | .08 | .33 | .00 |
| tailed) | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 3 | 1 | 3 | 3 | 3 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 3 | 1 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q0 8 | Pearson Correlat ion | .44  4 | .44  4 | .44  4 | .68  8 | .68  8 | .44  4 | .68  8 | 1 | .44  4 | .79  3 | .44  4 | .19  2 | .32  7 | .57  7 | .25  0 | .66  7 | -  .16  7 | .14  5 | .03  4 | .33  3 | .03  4 | .45  4 | .25  0 | .57  7 | .00  0 | .58  5 |
|  | Sig. (2- | .05 | .05 | .05 | .00 | .00 | .05 | .00 |  | .05 | .00 | .05 | .41 | .16 | .00 | .28 | .00 | .48 | .54 | .88 | .15 | .88 | .04 | .28 | .00 | 1.0 | .00 |
| tailed) | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 8 | 8 | 1 | 2 | 1 | 8 | 1 | 8 | 4 | 8 | 8 | 00 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q0 9 | Pearson Correlat ion | .44  4 | 1.0  00 | .44  4 | .68  8 | .68  8 | .44  4 | .68  8 | .44  4 | 1 | .79  3 | .44  4 | .57  7 | .32  7 | .57  7 | .66  7 | .66  7 | .25  0 | .14  5 | .36  9 | .33  3 | .03  4 | .45  4 | .25  0 | .57  7 | .33  3 | .75  6 |
|  | Sig. (2- | .05 | .00 | .05 | .00 | .00 | .05 | .00 | .05 |  | .00 | .05 | .00 | .16 | .00 | .00 | .00 | .28 | .54 | .11 | .15 | .88 | .04 | .28 | .00 | .15 | .00 |
| tailed) | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 8 | 0 | 8 | 1 | 1 | 8 | 1 | 0 | 1 | 8 | 4 | 8 | 8 | 1 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 0 | Pearson Correlat ion | .32  7 | .79  3 | .32  7 | .54  6 | .54  6 | .32  7 | .54  6 | .79  3 | .79  3 | 1 | .32  7 | .40  4 | .21  6 | .72  8 | .49  0 | .84  0 | .14  0 | .03  1 | .18  3 | .42  0 | -  .09  9 | .57  2 | .49  0 | .72  8 | .14  0 | .70  2 |
|  | Sig. (2- | .16 | .00 | .16 | .01 | .01 | .16 | .01 | .00 | .00 |  | .16 | .07 | .36 | .00 | .02 | .00 | .55 | .89 | .44 | .06 | .67 | .00 | .02 | .00 | .55 | .00 |
| tailed) | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 0 | 7 | 1 | 0 | 8 | 0 | 6 | 8 | 0 | 5 | 9 | 8 | 8 | 0 | 6 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 1 | Pearson Correlat ion | .44  4 | .44  4 | .44  4 | .68  8 | .68  8 | 1.0  00 | .68  8 | .44  4 | .44  4 | .32  7 | 1 | .19  2 | .32  7 | .19  2 | .25  0 | .25  0 | -  .16  7 | .50  9 | .36  9 | .33  3 | .36  9 | .45  4 | -  .16  7 | .19  2 | .33  3 | .58  5 |
|  | Sig. (2- | .05 | .05 | .05 | .00 | .00 | .00 | .00 | .05 | .05 | .16 |  | .41 | .16 | .41 | .28 | .28 | .48 | .02 | .11 | .15 | .11 | .04 | .48 | .41 | .15 | .00 |
| tailed) | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 6 | 0 | 6 | 8 | 8 | 2 | 2 | 0 | 1 | 0 | 4 | 2 | 6 | 1 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 2 | Pearson Correlat ion | .19  2 | .57  7 | .19  2 | .39  7 | .39  7 | .19  2 | .39  7 | .19  2 | .57  7 | .40  4 | .19  2 | 1 | .40  4 | .20  0 | .28  9 | .28  9 | .28  9 | -  .12  6 | .17  4 | .11  5 | -  .05  8 | .06  1 | .00  0 | .20  0 | .11  5 | .45  1 |
|  | Sig. (2- | .41 | .00 | .41 | .08 | .08 | .41 | .08 | .41 | .00 | .07 | .41 |  | .07 | .39 | .21 | .21 | .21 | .59 | .46 | .62 | .80 | .80 | 1.0 | .39 | .62 | .03 |
| tailed) | 6 | 8 | 6 | 3 | 3 | 6 | 3 | 6 | 8 | 7 | 6 | 7 | 8 | 7 | 7 | 7 | 7 | 3 | 8 | 8 | 0 | 00 | 8 | 8 | 9 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 3 | Pearson Correlat ion | .32  7 | .32  7 | .32  7 | .54  6 | .54  6 | .32  7 | .54  6 | .32  7 | .32  7 | .21  6 | .32  7 | .40  4 | 1 | .08  1 | .49  0 | .14  0 | .49  0 | .33  6 | .18  3 | .14  0 | .46  4 | .27  9 | .14  0 | .40  4 | .42  0 | .55  8 |
|  | Sig. (2- | .16 | .16 | .16 | .01 | .01 | .16 | .01 | .16 | .16 | .36 | .16 | .07 |  | .73 | .02 | .55 | .02 | .14 | .44 | .55 | .03 | .23 | .55 | .07 | .06 | .01 |
| tailed) | 0 | 0 | 0 | 3 | 3 | 0 | 3 | 0 | 0 | 1 | 0 | 7 | 5 | 8 | 6 | 8 | 7 | 0 | 6 | 9 | 4 | 6 | 7 | 5 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 4 | Pearson Correlat ion | .19  2 | .57  7 | .57  7 | .39  7 | .39  7 | .19  2 | .39  7 | .57  7 | .57  7 | .72  8 | .19  2 | .20  0 | .08  1 | 1 | .57  7 | .86  6 | .28  9 | .12  6 | .17  4 | .34  6 | -  .05  8 | .78  7 | .57  7 | .73  3 | .11  5 | .66  7 |
|  | Sig. (2- | .41 | .00 | .00 | .08 | .08 | .41 | .08 | .00 | .00 | .00 | .41 | .39 | .73 |  | .00 | .00 | .21 | .59 | .46 | .13 | .80 | .00 | .00 | .00 | .62 | .00 |
| tailed) | 6 | 8 | 8 | 3 | 3 | 6 | 3 | 8 | 8 | 0 | 6 | 8 | 5 | 8 | 0 | 7 | 7 | 3 | 5 | 8 | 0 | 8 | 0 | 8 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 5 | Pearson Correlat ion | .25  0 | .66  7 | .66  7 | .45  9 | .45  9 | .25  0 | .45  9 | .25  0 | .66  7 | .49  0 | .25  0 | .28  9 | .49  0 | .57  7 | 1 | .68  8 | .68  8 | .49  1 | .30  2 | .25  0 | .30  2 | .68  1 | .68  8 | .86  6 | .50  0 | .81  4 |
|  | Sig. (2- | .28 | .00 | .00 | .04 | .04 | .28 | .04 | .28 | .00 | .02 | .28 | .21 | .02 | .00 |  | .00 | .00 | .02 | .19 | .28 | .19 | .00 | .00 | .00 | .02 | .00 |
| tailed) | 8 | 1 | 1 | 2 | 2 | 8 | 2 | 8 | 1 | 8 | 8 | 7 | 8 | 8 | 1 | 1 | 8 | 6 | 8 | 6 | 1 | 1 | 0 | 5 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 6 | Pearson Correlat ion | .25  0 | .66  7 | .66  7 | .45  9 | .45  9 | .25  0 | .45  9 | .66  7 | .66  7 | .84  0 | .25  0 | .28  9 | .14  0 | .86  6 | .68  8 | 1 | .37  5 | .21  8 | .30  2 | .50  0 | .05  0 | .68  1 | .68  8 | .86  6 | .25  0 | .79  2 |
|  | Sig. (2- | .28 | .00 | .00 | .04 | .04 | .28 | .04 | .00 | .00 | .00 | .28 | .21 | .55 | .00 | .00 |  | .10 | .35 | .19 | .02 | .83 | .00 | .00 | .00 | .28 | .00 |
| tailed) | 8 | 1 | 1 | 2 | 2 | 8 | 2 | 1 | 1 | 0 | 8 | 7 | 6 | 0 | 1 | 3 | 5 | 6 | 5 | 3 | 1 | 1 | 0 | 8 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 7 | Pearson Correlat ion | -  .16  7 | .25  0 | .25  0 | -  .11  5 | -  .11  5 | -  .16  7 | -  .11  5 | -  .16  7 | .25  0 | .14  0 | -  .16  7 | .28  9 | .49  0 | .28  9 | .68  8 | .37  5 | 1 | .21  8 | .30  2 | .25  0 | .30  2 | .41  9 | .68  8 | .57  7 | .50  0 | .47  1 |
|  | Sig. (2- | .48 | .28 | .28 | .63 | .63 | .48 | .63 | .48 | .28 | .55 | .48 | .21 | .02 | .21 | .00 | .10 |  | .35 | .19 | .28 | .19 | .06 | .00 | .00 | .02 | .03 |
| tailed) | 2 | 8 | 8 | 0 | 0 | 2 | 0 | 2 | 8 | 6 | 2 | 7 | 8 | 7 | 1 | 3 | 5 | 6 | 8 | 6 | 6 | 1 | 8 | 5 | 6 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q1 8 | Pearson Correlat ion | .14  5 | .14  5 | .50  9 | .35  0 | .35  0 | .50  9 | .35  0 | .14  5 | .14  5 | .03  1 | .50  9 | -  .12  6 | .33  6 | .12  6 | .49  1 | .21  8 | .21  8 | 1 | .06  6 | .00  0 | .28  5 | .43  5 | .21  8 | .37  8 | .21  8 | .47  9 |
|  | Sig. (2- | .54 | .54 | .02 | .13 | .13 | .02 | .13 | .54 | .54 | .89 | .02 | .59 | .14 | .59 | .02 | .35 | .35 |  | .78 | 1.0 | .22 | .05 | .35 | .10 | .35 | .03 |
| tailed) | 1 | 1 | 2 | 0 | 0 | 2 | 0 | 1 | 1 | 8 | 2 | 7 | 7 | 7 | 8 | 5 | 5 | 3 | 00 | 3 | 5 | 5 | 0 | 5 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q1 9 | Pearson Correlat ion | .36  9 | .36  9 | .36  9 | .25  4 | .25  4 | .36  9 | .25  4 | .03  4 | .36  9 | .18  3 | .36  9 | .17  4 | .18  3 | .17  4 | .30  2 | .30  2 | .30  2 | .06  6 | 1 | .90  5 | .79  8 | .17  9 | .05  0 | .17  4 | .90  5 | .59  8 |
|  | Sig. (2- | .11 | .11 | .11 | .28 | .28 | .11 | .28 | .88 | .11 | .44 | .11 | .46 | .44 | .46 | .19 | .19 | .19 | .78 |  | .00 | .00 | .45 | .83 | .46 | .00 | .00 |
| tailed) | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 8 | 0 | 0 | 0 | 3 | 0 | 3 | 6 | 6 | 6 | 3 | 0 | 0 | 0 | 3 | 3 | 0 | 5 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 0 | Pearson Correlat ion | .33  3 | .33  3 | .33  3 | .22  9 | .22  9 | .33  3 | .22  9 | .33  3 | .33  3 | .42  0 | .33  3 | .11  5 | .14  0 | .34  6 | .25  0 | .50  0 | .25  0 | .00  0 | .90  5 | 1 | .70  4 | .31  4 | .25  0 | .34  6 | .80  0 | .64  2 |
|  | Sig. (2- | .15 | .15 | .15 | .33 | .33 | .15 | .33 | .15 | .15 | .06 | .15 | .62 | .55 | .13 | .28 | .02 | .28 | 1.0 | .00 |  | .00 | .17 | .28 | .13 | .00 | .00 |
| tailed) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 | 1 | 8 | 6 | 5 | 8 | 5 | 8 | 00 | 0 | 1 | 7 | 8 | 5 | 0 | 2 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q2 1 | Pearson Correlat ion | .36  9 | .03  4 | .36  9 | .25  4 | .25  4 | .36  9 | .25  4 | .03  4 | .03  4 | -  .09  9 | .36  9 | -  .05  8 | .46  4 | -  .05  8 | .30  2 | .05  0 | .30  2 | .28  5 | .79  8 | .70  4 | 1 | .17  9 | .05  0 | .17  4 | .90  5 | .51  2 |
|  | Sig. (2- | .11 | .88 | .11 | .28 | .28 | .11 | .28 | .88 | .88 | .67 | .11 | .80 | .03 | .80 | .19 | .83 | .19 | .22 | .00 | .00 |  | .45 | .83 | .46 | .00 | .02 |
| tailed) | 0 | 8 | 0 | 1 | 1 | 0 | 1 | 8 | 8 | 9 | 0 | 8 | 9 | 8 | 6 | 3 | 6 | 3 | 0 | 1 | 0 | 3 | 3 | 0 | 1 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 2 | Pearson Correlat ion | .10  5 | .45  4 | .45  4 | .31  3 | .31  3 | .45  4 | .31  3 | .45  4 | .45  4 | .57  2 | .45  4 | .06  1 | .27  9 | .78  7 | .68  1 | .68  1 | .41  9 | .43  5 | .17  9 | .31  4 | .17  9 | 1 | .68  1 | .78  7 | .31  4 | .72  3 |
|  | Sig. (2- | .66 | .04 | .04 | .18 | .18 | .04 | .18 | .04 | .04 | .00 | .04 | .80 | .23 | .00 | .00 | .00 | .06 | .05 | .45 | .17 | .45 |  | .00 | .00 | .17 | .00 |
| tailed) | 0 | 4 | 4 | 0 | 0 | 4 | 0 | 4 | 4 | 8 | 4 | 0 | 4 | 0 | 1 | 1 | 6 | 5 | 0 | 7 | 0 | 1 | 0 | 7 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 3 | Pearson Correlat ion | -  .16  7 | .25  0 | .25  0 | -  .11  5 | -  .11  5 | -  .16  7 | -  .11  5 | .25  0 | .25  0 | .49  0 | -  .16  7 | .00  0 | .14  0 | .57  7 | .68  8 | .68  8 | .68  8 | .21  8 | .05  0 | .25  0 | .05  0 | .68  1 | 1 | .86  6 | .25  0 | .49  2 |
|  | Sig. (2- | .48 | .28 | .28 | .63 | .63 | .48 | .63 | .28 | .28 | .02 | .48 | 1.0 | .55 | .00 | .00 | .00 | .00 | .35 | .83 | .28 | .83 | .00 |  | .00 | .28 | .02 |
| tailed) | 2 | 8 | 8 | 0 | 0 | 2 | 0 | 8 | 8 | 8 | 2 | 00 | 6 | 8 | 1 | 1 | 1 | 5 | 3 | 8 | 3 | 1 | 0 | 8 | 7 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q2 4 | Pearson Correlat ion | .19  2 | .57  7 | .57  7 | .39  7 | .39  7 | .19  2 | .39  7 | .57  7 | .57  7 | .72  8 | .19  2 | .20  0 | .40  4 | .73  3 | .86  6 | .86  6 | .57  7 | .37  8 | .17  4 | .34  6 | .17  4 | .78  7 | .86  6 | 1 | .34  6 | .80  6 |
|  | Sig. (2- | .41 | .00 | .00 | .08 | .08 | .41 | .08 | .00 | .00 | .00 | .41 | .39 | .07 | .00 | .00 | .00 | .00 | .10 | .46 | .13 | .46 | .00 | .00 |  | .13 | .00 |
| tailed) | 6 | 8 | 8 | 3 | 3 | 6 | 3 | 8 | 8 | 0 | 6 | 8 | 7 | 0 | 0 | 0 | 8 | 0 | 3 | 5 | 3 | 0 | 0 | 5 | 0 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Q2 5 | Pearson Correlat ion | .33  3 | .33  3 | .33  3 | .22  9 | .22  9 | .33  3 | .22  9 | .00  0 | .33  3 | .14  0 | .33  3 | .11  5 | .42  0 | .11  5 | .50  0 | .25  0 | .50  0 | .21  8 | .90  5 | .80  0 | .90  5 | .31  4 | .25  0 | .34  6 | 1 | .65  9 |
|  | Sig. (2- | .15 | .15 | .15 | .33 | .33 | .15 | .33 | 1.0 | .15 | .55 | .15 | .62 | .06 | .62 | .02 | .28 | .02 | .35 | .00 | .00 | .00 | .17 | .28 | .13 |  | .00 |
| tailed) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 00 | 1 | 6 | 1 | 8 | 5 | 8 | 5 | 8 | 5 | 5 | 0 | 0 | 0 | 7 | 8 | 5 | 2 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Tot al | Pearson Correlat ion | .50  0 | .75  6 | .72  8 | .69  7 | .69  7 | .58  5 | .69  7 | .58  5 | .75  6 | .70  2 | .58  5 | .45  1 | .55  8 | .66  7 | .81  4 | .79  2 | .47  1 | .47  9 | .59  8 | .64  2 | .51  2 | .72  3 | .49  2 | .80  6 | .65  9 | 1 |
|  | Sig. (2- | .02 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .00 | .03 | .01 | .00 | .00 | .00 | .03 | .03 | .00 | .00 | .02 | .00 | .02 | .00 | .00 |  |
| tailed) | 5 | 0 | 0 | 1 | 1 | 7 | 1 | 7 | 0 | 1 | 7 | 9 | 1 | 1 | 0 | 0 | 6 | 5 | 5 | 2 | 1 | 0 | 7 | 0 | 2 |
|  | N | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

**APPENDIX 2**

**R-Table**

***Table 19 R-Table***

|  |  |  |
| --- | --- | --- |
| **N Significant Level**  **5% 1%** | **N Significant Level**  **5% 1%** | **N Significant Level**  **5% 1%** |
| 3 0,997 0,999  4 0,950 0,990  5 0,878 0,959  6 0,811 0,917  7 0,754 0,874  8 0,707 0,834  9 0,666 0,798  10 0,632 0,765  11 0,602 0,735  12 0,576 0,708  13 0,553 0,684  14 0,532 0,661  15 0,514 0,641  16 0,497 0,625  17 0,482 0,606  18 0,468 0,590  19 0,456 0,575  20 0,444 0,561  21 0,433 0,543  22 0,423 0,537  23 0,413 0,526  24 0,404 0,516  25 0,396 0,505 | 26 0,388 0,496  27 0,381 0,487  28 0,374 0,478  29 0,367 0,470  30 0,361 0,463  31 0,355 0,456  32 0,349 0,449  33 0,344 0,442  34 0,339 0,436  35 0,334 0,430  36 0,329 0,424  37 0,325 0,418  38 0,320 0,413  39 0,316 0,408  40 0,312 0,403  41 0,308 0,398  42 0,304 0,393  43 0,301 0,389  44 0,297 0,384  45 0,294 0,380  46 0,291 0,376  47 0,288 0,372  48 0,284 0,368  49 0,281 0,364 | 50 0,279 0,361  55 0,266 0,345  60 0,254 0,330  65 0,244 0,317  70 0,235 0,306  75 0,227 0,296  80 0,220 0,286  85 0,213 0,278  90 0,207 0,270  95 0,202 0,263  100 0,195 0,256  125 0,176 0,230  150 0,159 0,210  175 0,148 0,194  200 0,138 0,184  300 0,113 0,145  400 0,095 0,128  500 0,088 0,115  600 0,080 0,105  700 0,074 0,097  800 0,070 0,091  900 0,065 0,086  1000 0,062 0,081 |

**APPENDIX 3**

**Instrument (Pre-test and Post Test)**

**PRE-TEST**

One holiday, Vandra visited his aunt in a village. It was his first experience of traveling by train, but he enjoyed it. He arrived at the railway station at 3 p.m. His uncle’s house was not far from the railways station, so he decided to go there by horse cart.  
Vandra stopped a horse cart. To his surprise, the rider was a woman. She was dark skinned and looked strong. Along the journey, they had a chit-chat. The rider told him about her life. She is a wife with three children. She was simple, but had a great dream. She wanted her children to be successful. As a mother, she was willing to work hard for her children’s education. She never gave up. She belived that her hard work would be paid off.  
Vandra was amazed at the horse cart rider’s story. What a great woman.

1. What is the text about?  
   A. A horse cart rider’s hard work.  
   B. Vandra’s experience on a train.  
   C. Vandra’s travelling experience.  
   D. The life story of a horse cart rider.
2. What was the horse cart’s rider like?  
   A. Honest  
   B. Generous  
   C. Kindhearted  
   D. Hard working
3. Why did Vandra take a great respect to the horse cart’s rider?  
   A. She struggled for the succes  
   B. She lived with her three children  
   C. She was simple, but had a great dream  
   D. She was the only woman who rode a horse card
4. “She never **gave up.**“  
   What is the closest meaning of the bolded phrase?  
   A. Felt sorry  
   B. Surrendered  
   C. Complained  
   D. Fought against

**The following test is for question 5 to 8.**

At the frist break, Arin went to the school library. As usual, she walked towrds she fiction section, her favourite one. She took an interesting storybook from the shelf, then sat at the corner. The book was about a handsome and brave prince who tried to free a princess from a giant.  
Arin way very sleepy. She didn’t realise that she fell asleep while reading. On her dream, she was the princess who was saved by the prince. The giant didn’t let Arin go. He held her strongly and she struggled to get loose. Consequently she fell down to the ground. Suddenly, Arin heard people laughing. She opened her eyes and saw several students looking and laughing at her.  
Arin was confused, but she finaly realised what had happened. She dreamt about the story in the book she read. For matters wors, she tell down from the chair due to her dream.

1. Why is the text written?  
   A. To relate Arin’s experience  
   B. To amuse readers by telling a story  
   C. To describe Arin’s activity during the break  
   D. To tell readers the story of a giant and a princess
2. In Arins’s dream, the giant …. her.  
   A. pulled  
   B. pushed  
   C. captured  
   D. released
3. What kind of books does Arin like to read?  
   A. Storybooks  
   B. Biography books  
   C. Science books  
   D. Engineering books
4. What did Arin probably feel when her schoolmates laughed at her?  
   A. Bored  
   B. Upsed  
   C. Jealous  
   D. Embarrassed

**The following test is for question 9 to 12.**

On Monday morning Adi woke up late.. Before leaving for school, his mother reminded him of having breakfast, but he refused. He was afraid of being late. Adi arrived at school only one minute before the bell rang. All students walked towards the school yard. They would have a flag hoisting ceremony.  
It was very hot and the sun shone very brightly. During the ceremony, Adi felt dizzy and his eyes were blurred. He tried to stand up still, but he could bot hold on. He trembled and fainted.  
He didm’t know what happened next . When he opened her eyes, he was in the medical room with his class teacher and Riski, his best friend. Riski gave him a glass of hot tea and a piece of bread.

1. What is the main idea of paragraph one?  
   A. Adi woke up late.  
   B. Adi skipped breakfast.  
   C. Adi was afraid of arriving late at school.  
   D. Adi’s mother reminded him of having breakfast.
2. Where did Adi tremble and faint?  
   A. At home  
   B. In his classroom  
   C. At the school yard  
   D. In the medical room
3. What would happen if Adi had breakfast?  
   A. His mother would be angry with him  
   B. He could attend the ceremony well  
   C. He would arrive at school early  
   D. He missed the hoisting flag ceremony
4. From the text we know that …  
   A. nobody cared about Adi  
   B. Adi arrived late at school  
   C. Adi felt unwell during the ceremony  
   D. Riski stood up next to Adi during the ceremony

**The following test is for question 13 to 16.**

I just returned from my holiday in my uncle’s house in Malang. During the time, i visited many interesting places, such as Jatim Park 1 and 2, Museum Angkut, Batu Night Spectacular and Mount Bromo. However, the most memorable is my trip to mount Bromo. However, the most memorable is my trip to Mount Bromo. It is the most exotic place i’ve ever seen.  
At that time i went with my uncle’s family. We went there by car in middle of night and arrived at around 3:30 a.m. There were already many people there. They all wore thick jackets, gloves and beanies, so did we. It was so cold that we were going to freeze. Soon, we could adapt to the weather.  
Later on we moved to Penanjakan Peak to see the sunrise. Later on we withnessed such a magnificent sunrise. Luckily, the weather was so fine that we all could see that shinning golden ball very clearly. Then, we walked up to the top of Mount Bromo. It was really hard because we had to walk through thick sand desert while it was rather cold. Arriving at the top, it was so amazing! Trush me, you should go there one day. What a wonderful place!  
Overall my last holiday is the best moment of my life. I wash i have another chance to explore Malang City.

1. What is the next mainly about?  
   A. The writer’s experience in Mount Bromo.  
   B. The writer’s impression about the sunrise.  
   C. The writer’s unforgettable holiday in Malang.  
   D. The writer’s trip to climb a mount for the first time.
2. What is the main idea of the second paragraph?  
   A. The place was full of visitors.  
   B. The writer went to Bromo by car.  
   C. The writer arrived at her destination.  
   D. The weather at the moment awas very cold.
3. From the text we know that…  
   A. the writer went Bromo with her cousin  
   B. the sky was cloudy when the morning broke  
   C. it is quite easy to pass through the sand  
   D. the writer wore a thick jacket and beanie
4. “They all wore thick jackets, gloves and beanies, so did **we**.” ( Paragraph 2 )  
   What does the bolded word refer to?  
   A. The writer’s uncle family  
   B. The visitors of Mount Bromo  
   C. The writer and her uncle’s family  
   D. The people who the writer saw on her arrival.

**The following test is for question 17 to 20.**

Last week my friend and i were bored after two weeks of holidays, so we rode our bicycles to a beach, which is only five kilometres from where we live.  
When we arrived at the beach, we were surprised to see only a few visitors there. After having a quick dip in the ocean, which was really cold, we realised why there were not many people there. it was also quite windy.  
After we bought several hot chips at the take-away store nearby, we rode our bicycles down the beach for a while , on the hard, damp part of the sand. We had the behind us. Unwittingly, we were many miles down the beach.  
Before we made the long trip back we decided to paddle our feet in the water for a while, and then sit down for a rest. While we were sitting on the beach, just chatting, we realised that all the way back we would be riding into the strong wind.  
When we finally arrived home, we were both totally exhausted!

1. The text mainly tells us about….  
   A. the situation at the beach  
   B. the writer and his friend’s reason to a beach  
   C. the writer and his friend’s long holiday  
   D. the writer and his friend’s vacation at a beach
2. At that time the beach was ….  
   A. quiet  
   B. sunny  
   C. crowded  
   D. very clean
3. From the text it can be concluded that ….  
   A. the water of the beach is quite warm  
   B. the beach is very close to the writer’s house  
   C. the writer felt tired because of cycling hard  
   D. there was no food stall opened at the moment
4. People rarely went to the beach…. the water was very cold.  
   A. so  
   B. but  
   C. and  
   D. since

**The following test is for question 21 to 24.**

My elder sister and i are moving into a new house this weekend, so we decided to do shopping to furnish the place.  
First, we went to an appliance store not too far from our new house, and we bought a refrigerator for the kitchen. You really can’t live without one because you have to keep your food cold or frozen so it doesn’t spoil. Then, we bought a washing machine to wash and dry our clotes. We don’t want to go to a laundromat to do this every week like we used to do when we are in a boarding house. Next, we bought a rice cooker. We certainly need one because it can make life easier. You simply put the rice into the cooker and press the cooking button, then you can do other chores while the cooker is cooking the rice finally, we picked up a microwave oven. if we are in a hurry and don’t have time to cook, we can place the food in the microwave and heat it up quickly.  
We haven’t purchased everything we need to furnish our new place, but we think we have the basic appliances to make life more comforable for now.

1. The text tells us about the writer and her sister’s …..  
   A. new house  
   B. household chores  
   C. shopping experience  
   D. activities at new house
2. Where did the story take place?  
   A. At their new house  
   B. At an appliance store  
   C. At a furniture store  
   D. At their boarding house
3. From the text, it can be inferred that the writer and her sister….  
   A. bought a dishwasher  
   B. just moved to a new house  
   C. use to wash their clothes  
   D. stay at a boarding house at the time
4. “…. so it doesn’t spoil” ( Paragraph 2 )  
   The word ‘it’ refers to ….  
   A. the rice  
   B. the food  
   C. the house  
   D. the refrigerator

**The following test is for question 25 to 27.**

One morning i met my father outside the school gate. Prior to this, i received my teacher’s permission to be temporarily excused from class. i would collect some items from my father.  
My father handed me my exmination result slip which he had signed. Also, he handed a consent form for the Track and Field Training Camp which i would take part in. My father scolded me for being irresponsible. i just kept silent and told him that i had to return to my class. My fater the quickly left for work.  
I rushed back to my class . However, i did not place my wallet, which contained money, in my pocket carefully. I dropped it and i didn’t notice it. The money was the fee for the Track and Field Training Camp!

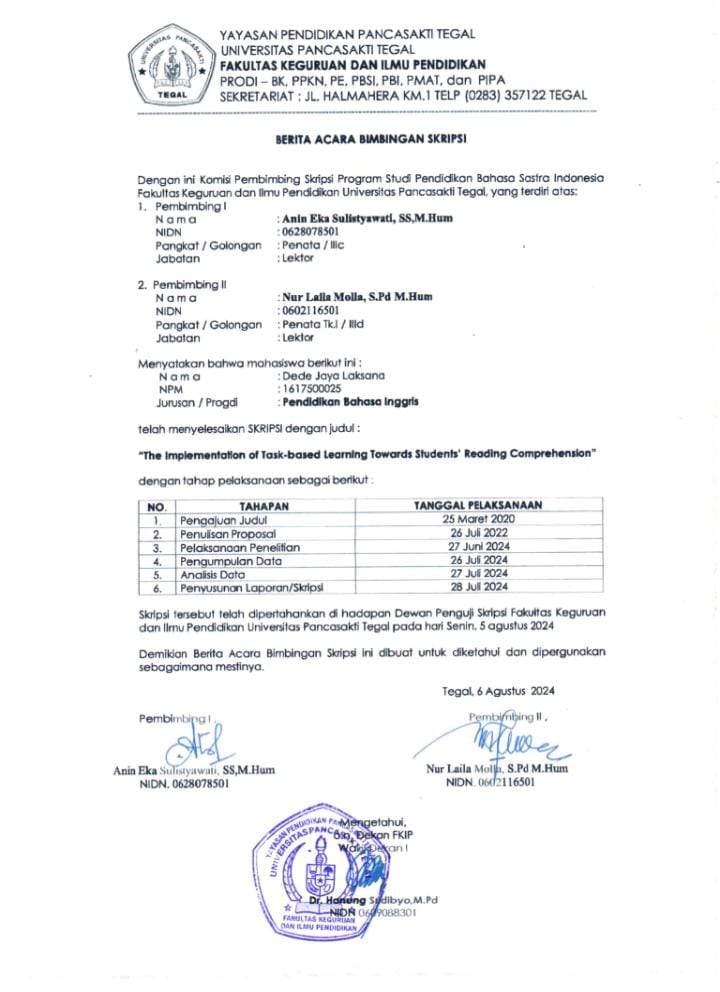
1. The writer’s father was angry because ….  
   A. he did not permit the writer to join a training camp  
   B. he had forgotten to submit the writer’s work to school  
   C. the writer had forgotten to bring some items to school  
   D. the writer did not say goodbye to his/her father when leaving
2. What is the writer like?  
   A. Careless  
   B. Impatient  
   C. Moody  
   D. Offended
3. What happend to the writer at the end?  
   A. He/She was relieved after receiving the items for his/her father.  
   B. He/She was disppointed because he/she couldn’t join class.  
   C. He/She didn’t know how to tell the accident to his/her father.  
   D. He/She father took him him/her home to get the items.

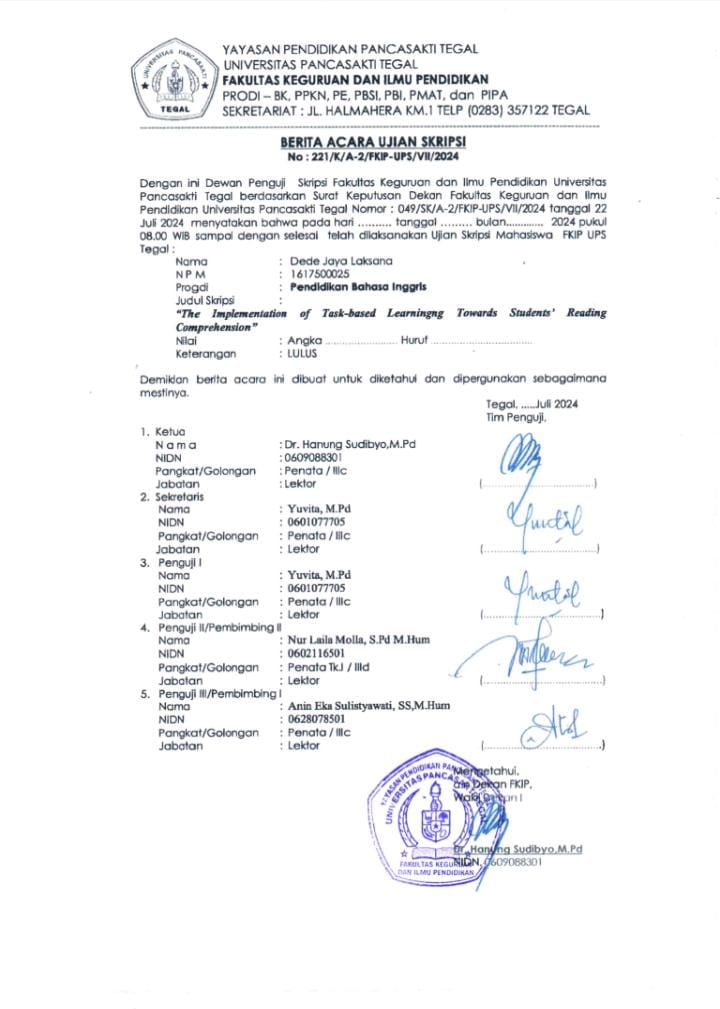
**Kunci Jawaban**

1. C
2. D
3. C
4. B
5. A
6. C
7. A
8. D
9. A
10. C
11. B
12. C
13. A
14. C
15. D
16. C
17. D
18. A
19. C
20. D
21. C
22. B
23. D
24. B
25. C
26. A
27. C

**APPENDIX 4**

**Instrument (Pre-test and Post Test)**





**Documentation**

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