**Lampiran 13**

**DATA HASIL PENELITIAN**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Responden | Pretest | Posttest | Gain Scor(posttest-pretest) | Keterangan |
| 1 | 46 | 110 | 48 | Meningkat |
| 2 | 49 | 114 | 61 | Meningkat |
| 3 | 46 | 106 | 55 | Meningkat |
| 4 | 48 | 100 | 48 | Meningkat |
| 5 | 56 | 96 | 40 | Meningkat |
| 6 | 54 | 96 | 39 | Meningkat |
| 7 | 52 | 104 | 44 | Meningkat |
| 8 | 49 | 106 | 57 | Meningkat |
| 9 | 53 | 107 | 54 | Meningkat |
| 10 | 58 | 98 | 40 | Meningkat |
| 11 | 59 | 110 | 51 | Meningkat |
| 12 | 55 | 107 | 52 | Meningkat |
| 13 | 54 | 93 | 39 | Meningkat |
| 14 | 46 | 106 | 60 | Meningkat |
| 15 | 58 | 104 | 41 | Meningkat |
| 16 | 72 | 99 | 47 | Meningkat |
| 17 | 48 | 104 | 57 | Meningkat |
| 18 | 52 | 97 | 45 | Meningkat |
| 19 | 56 | 101 | 46 | Meningkat |
| 20 | 58 | 101 | 44 | Meningkat |
| 21 | 54 | 104 | 45 | Meningkat |
| 22 | 56 | 102 | 48 | Meningkat |
| 23 | 54 | 107 | 51 | Meningkat |
| 24 | 55 | 97 | 39 | Meningkat |
| 25 | 55 | 95 | 38 | Meningkat |
| 26 | 54 | 110 | 54 | Meningkat |
| 27 | 59 | 107 | 43 | Meningkat |
| 28 | 55 | 101 | 46 | Meningkat |
| 29 | 52 | 101 | 49 | Meningkat |
| 30 | 59 | 93 | 31 | Meningkat |
| **N=30** | **1614** | **3252** | **1412** |  |
| **X** | **53,8** | **108,4** | **47,06** |  |

**Lampiran 14**

1. **Analisis Statistik Deskrifif**

| **Statistics** |
| --- |
|  |  | VAR00001 | VAR00002 |
| N | Valid | 30 | 30 |
| Missing | 0 | 0 |
| Mean | 55.1333 | 102.5333 |
| Median | 55.0000 | 103.0000 |
| Mode | 52.00 | 101.00a |
| Std. Deviation | 4.29702 | 5.43763 |
| Variance | 18.464 | 29.568 |
| Range | 18.00 | 21.00 |
| Minimum | 46.00 | 93.00 |
| Maximum | 64.00 | 114.00 |
| Sum | 1654.00 | 3076.00 |

**Tabel Frekuensi**

**Pretest**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Frequency  | Percent  | Valid Percent | CumulativePercent |
| Valid 46.00 | 1 | 3.3 | 3.3 | 3.3 |
| 47.00 | 1 | 3.3 | 3.3 | 6.7 |
| 49.00 | 1 | 3.3 | 3.3 | 10.0 |
| 51.00 | 1 | 3.3 | 3.3 | 13.3 |
| 52.00 | 5 | 16.7 | 16.7 | 30.0 |
| 53.00 | 2 | 6.7 | 6.7 | 36.7 |
| 54.00 | 2 | 6.7 | 6.7 | 43.3 |
| 55.00 | 3 | 10.0 | 10.0 | 53.3 |
| 56.00 | 3 | 10.0 | 10.0 | 63.3 |
| 57.00 | 3 | 10.0 | 10.0 | 73.3 |
| 58.00 | 2 | 6.7 | 6.7 | 80.0 |
| 59.00 | 2 | 6.7 | 6.7 | 86.7 |
| 60.00 | 1 | 3.3 | 3.3 | 90.0 |
| 62.00 | 1 | 3.3 | 3.3 | 93.3 |
| 63.00 | 1 | 3.3 | 3.3 | 96.7 |
| 64.00  | 1 | 3.3 | 3.3 | 100.0 |
| total | 30 | 100.0 | 100.0 |  |

Posttest

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Frequensi  | Percent  | Valid Perrcent | CumulativePercent  |
| Valid 93.00 | 2 | 6.7 | 6.7 | 6.7 |
| 95.00 | 1 | 3.3 | 3.3 | 10.0 |
| 96.00 | 2 | 6.7 | 6.7 | 16.7 |
| 97.00 | 2 | 6.7 | 6.7 | 23.3 |
| 98.00 | 1 | 3.3 | 3.3 | 26.7 |
| 99.00 | 1 | 3.3 | 3.3 | 30.0 |
| 100.00 | 1 | 3.3 | 3.3 | 33.3 |
| 101.00 | 4 | 13.3 | 13.3 | 46.7 |
| 102.00 | 1 | 3.3 | 3.3 | 50.0 |
| 104.00 | 4 | 13.3 | 13.3 | 63.3 |
| 106.00 | 3 | 10.0 | 10.0 | 73.3 |
| 107.00 | 4 | 13.3 | 13.3 | 86.7 |
| 110.00 | 3 | 10.0 | 10.0 | 96.7 |
| 114.00 | 1 | 3.3 | 3.3 | 100.0 |
| Total  | 30 | 100.0 | 100.0 |  |

1. **Analisi Statistik Inferensial**
2. **Uji Prasyarat Pengujian Hipotesis**
3. **Uji Normalitas**

| **Tests of Normality** |
| --- |
|  | Kolmogorov-Smirnova | Shapiro-Wilk |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| VAR00001 | .100 | 30 | .200(\*) | .982 | 30 | 887 |
| VAR00002 | .106 | 30 | .200(\*) | .972 | 30 | .587 |
| Signifikan pretest (p) = 0,200›$α= $0,05 berarti normalSignifikan posttest (p)= 0,200 ›$α$=0,05 berarti normal |

1. **Test Hemogenitas**

| Levene Statistic | df1 | df2 | Sig. |
| --- | --- | --- | --- |
| 2.797. | 1 | 58. | 100. |
| Signifikan (p) 0,1 > $α$ = 0,05 berarti kedua data homogen  |

1. **Pengujian hipotesis (uji t)**

| **Paired Samples Statistics** |
| --- |
|  |  | Mean | N | Std. Deviation | Std. Error Mean |
| Pair 1 | VAR00001 | 102.5333 | 30 | 5.43763 | 99277 |
| VAR00002 | 55.1333 | 30 | 4.29702 | 78452 |

| **Paired Samples Correlations** |
| --- |
|  |  | N | Correlation | Sig. |
| Pair 1 | VAR00001 & VAR00002 | 30 | .-163 | .391 |

| **Paired Samples Test** |
| --- |
|  |  | Paired Differences | t | df | Sig. (2-tailed) |
|  | Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference |
|  | Upper | lower |
| Pair 1 |  VAR00001- VAR00002 | 47.40000 | 7.45839 | 1.36171 | 44.61499 | 50.18501 | 34.809 | 29 | .000 |

Catatan:

Dari tabel diperoleh nilai t hitung = 34.809 nilai tersebut dibandingkan dengan t tabel (29) 0,05 (34.809)$›2,14 $atau nilai signifikan (2-tailed)(0,000) ‹ $α$ (0,05) berarti bahwa terdapat perbedaan.