LAMPIRAN 16

**Uji Wilcoxon**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | | | | |
|  | N | Mean | Std. Deviation | Minimum | Maximum | Percentiles | | |
| 25th | 50th (Median) | 75th |
| Pretest | 10 | 121.2000 | 8.27043 | 107.00 | 130.00 | 112.0000 | 125.0000 | 126.5000 |
| Posttest | 10 | 70.7000 | 6.25478 | 61.00 | 79.00 | 65.5000 | 70.5000 | 77.5000 |

**Wilcoxon Signed Ranks Test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| VAR00002 - VAR00001 | Negative Ranks | 10a | 5.50 | 55.00 |
| Positive Ranks | 0b | .00 | .00 |
| Ties | 0c |  |  |
| Total | 10 |  |  |
| a. VAR00002 < VAR00001 | | | | |
| b. VAR00002 > VAR00001 | | | | |
| c. VAR00002 = VAR00001 | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | VAR00002 - VAR00001 |
| Z | -2.807b |
| Asymp. Sig. (2-tailed) | .005 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on positive ranks. | |

**Sign Test**

|  |  |  |
| --- | --- | --- |
| **Frequencies** | | |
|  | | N |
| VAR00002 - VAR00001 | Negative Differencesa | 10 |
| Positive Differencesb | 0 |
| Tiesc | 0 |
| Total | 10 |
| a. VAR00002 < VAR00001 | | |
| b. VAR00002 > VAR00001 | | |
| c. VAR00002 = VAR00001 | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | VAR00002 - VAR00001 |
| Exact Sig. (2-tailed) | .002b |
| a. Sign Test | |
| b. Binomial distribution used. | |