**The result SPSS**

1. **Descriptive statictics**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Descriptive Statistics | | | | | |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| pretest | 30 | 50 | 88 | 72.80 | 7.902 |
| posttest | 30 | 75 | 90 | 83.83 | 5.086 |
| Valid N (listwise) | 30 |  |  |  |  |

1. Uji normalitas

|  |  |  |
| --- | --- | --- |
| One-Sample Kolmogorov-Smirnov Test | | |
|  | | Unstandardized Residual |
| N | | 30 |
| Normal Parametersa,b | Mean | .0000000 |
| Std. Deviation | 7.59637510 |
| Most Extreme Differences | Absolute | .155 |
| Positive | .111 |
| Negative | -.155 |
| Test Statistic | | .155 |
| Asymp. Sig. (2-tailed) | | .065c |
| a. Test distribution is Normal. | | |
| b. Calculated from data. | | |
| c. Lilliefors Significance Correction. | | |

1. **Paired sample t-test**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Paired Samples Test | | | | | | | | | |
|  | | Paired Differences | | | | | t | df | Sig. (2-tailed) |
| Mean | Std. Deviation | Std. Error Mean | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| Pair 1 | pretest - posttest | -11.033 | 8.135 | 1.485 | -14.071 | -7.996 | -7.429 | 29 | .000 |