Deskriptif statistic

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| --- | --- | --- | --- |
| **Statistics** | | | |
|  | | pretest | posttest |
| N | Valid | 30 | 30 |
| Missing | 0 | 0 |
| Mean | | 74.27 | 93.47 |
| Median | | 76.00 | 96.00 |
| Std. Deviation | | 11.444 | 7.238 |
| Variance | | 130.961 | 52.395 |
| Minimum | | 40 | 76 |
| Maximum | | 92 | 100 |

Uji normalitas

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | |
|  | kelas | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| hasil belajar siswa | pretest | .188 | 30 | .008 | .922 | 30 | .031 |
| posttest | .303 | 30 | .000 | .808 | 30 | .000 |
| a. Lilliefors Significance Correction | | | | | | | |

0,031 > 0,05 berdistribusi normal

0,00 < 0,05 tidak berdistribusi normal

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | |
|  | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
| Statistic | df | Sig. | Statistic | df | Sig. |
| hasil pretest | .123 | 30 | .200\* | .936 | 30 | .072 |
| hasil posttest | .210 | 30 | .002 | .911 | 30 | .016 |
| \*. This is a lower bound of the true significance. | | | | | | |
| a. Lilliefors Significance Correction | | | | | | |

0,072 > 0,05 berdistribusi normal

0,16 > 0,05 berdistribusi normal

Uji homogenitas

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| --- | --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | | | |
|  | | Levene Statistic | df1 | df2 | Sig. |
| pretest\_pretest | Based on Mean | 2.626 | 1 | 58 | .111 |
| Based on Median | 3.088 | 1 | 58 | .084 |
| Based on Median and with adjusted df | 3.088 | 1 | 52.631 | .085 |
| Based on trimmed mean | 2.654 | 1 | 58 | .109 |

0,111 > 0,05 memiliki varian yg homogen

Uji hipotesis

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | -19.200 | 9.932 | 1.813 | -22.909 | -15.491 | -10.588 | 29 | .000 |

0,00 < 0,05 artinya memiliki pengaruh yang signifikan