Lampiran 1

Populasi peserta didik di SMP Negeri 26 Pekanbaru

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Kelas | Jenis kelamin | | Jumlah |
| Laki-laki | Perempuan |
| 1 | VIII.1 | 20 | 19 | 39 |
| 2 | VIII.2 | 20 | 19 | 39 |
| 3 | VIII.3 | 19 | 20 | 39 |
| 4 | VIII.4 | 21 | 17 | 38 |
| 5 | VIII.5 | 19 | 18 | 37 |
| 6 | VIII.6 | 21 | 18 | 39 |
| 7 | VIII.7 | 20 | 19 | 39 |
| 8 | VIII.8 | 21 | 18 | 39 |
| 9 | VIII.9 | 20 | 19 | 39 |
|  | Jumlah | 181 | 167 | 348 |

Sumber: Tata usaha SMP Negeri 26 Pekanbaru

Lampiran 2

Analisis deskriptif kelas eksperimen postes dan pretes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | | | | | | | | | |
|  | N | Range | Minimum | Maximum | Sum | Mean | | Std. Deviation | Variance | Skewness | | Kurtosis | |
| Statistic | Statistic | Statistic | Statistic | Statistic | Statistic | Std. Error | Statistic | Statistic | Statistic | Std. Error | Statistic | Std. Error |
| postes | 39 | 28 | 72 | 100 | 3345 | 85,77 | 1,131 | 7,062 | 49,866 | ,140 | ,378 | -,762 | ,741 |
| pretes | 39 | 44 | 16 | 60 | 1332 | 34,15 | 1,829 | 11,419 | 130,397 | ,544 | ,378 | -,220 | ,741 |
| kelaseksperimen | 0 |  |  |  |  |  |  |  |  |  |  |  |  |
| Valid N (listwise) | 0 |  |  |  |  |  |  |  |  |  |  |  |  |

Lampiran 3

Analisis deskriptif kelas kontrol postes dan pretes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Descriptive Statistics** | | | | | | | | | | | | | | |
|  | N | Range | Minimum | Maximum | Sum | Mean | | Std. Deviation | Variance | Skewness | | Kurtosis | |
| Statistic | Statistic | Statistic | Statistic | Statistic | Statistic | Std. Error | Statistic | Statistic | Statistic | Std. Error | Statistic | Std. Error |
| postes | 39 | 24 | 62 | 86 | 2858 | 73,28 | ,826 | 5,160 | 26,629 | ,246 | ,378 | ,481 | ,741 |
| pretes | 39 | 50 | 10 | 60 | 1494 | 38,31 | 1,631 | 10,183 | 103,692 | -,184 | ,378 | ,512 | ,741 |
| kelaskontrol | 0 |  |  |  |  |  |  |  |  |  |  |  |  |
| Valid N (listwise) | 0 |  |  |  |  |  |  |  |  |  |  |  |  |

Lampiran 4

Normalitas pretes

|  |  |  |  |
| --- | --- | --- | --- |
| **One-Sample Kolmogorov-Smirnov Test** | | | |
|  | | preteskontrol | pretseseksperimen |
| N | | 39 | 39 |
| Normal Parametersa,b | Mean | 38,31 | 34,15 |
| Std. Deviation | 10,183 | 11,419 |
| Most Extreme Differences | Absolute | ,102 | ,165 |
| Positive | ,102 | ,165 |
| Negative | -,088 | -,084 |
| Kolmogorov-Smirnov Z | | ,640 | 1,028 |
| Asymp. Sig. (2-tailed) | | ,808 | ,242 |
| a. Test distribution is Normal. | | | |
| b. Calculated from data. | | | |

Normalitas postes

|  |  |  |  |
| --- | --- | --- | --- |
| **One-Sample Kolmogorov-Smirnov Test** | | | |
|  | | posteseksperimen | posteskontrol |
| N | | 39 | 39 |
| Normal Parametersa,b | Mean | 85,77 | 73,28 |
| Std. Deviation | 7,062 | 5,160 |
| Most Extreme Differences | Absolute | ,137 | ,160 |
| Positive | ,137 | ,137 |
| Negative | -,106 | -,160 |
| Kolmogorov-Smirnov Z | | ,858 | ,998 |
| Asymp. Sig. (2-tailed) | | ,453 | ,272 |
| a. Test distribution is Normal. | | | |
| b. Calculated from data. | | | |

Lampiran 5

|  |  |  |  |
| --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | |
| hasilbelajar | | | |
| Levene Statistic | df1 | df2 | Sig. |
| 3,580 | 1 | 76 | ,062 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variance** | | | | | |
|  | | Levene Statistic | df1 | df2 | Sig. |
| hasilbelajar | Based on Mean | 3,580 | 1 | 76 | ,062 |
| Based on Median | 2,649 | 1 | 76 | ,108 |
| Based on Median and with adjusted df | 2,649 | 1 | 70,484 | ,108 |
| Based on trimmed mean | 3,641 | 1 | 76 | ,060 |

Lampiran 6

Homogenitas postes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variance** | | | | | |
|  | | Levene Statistic | df1 | df2 | Sig. |
| hasil belajar | Based on Mean | ,208 | 1 | 76 | ,650 |
| Based on Median | ,125 | 1 | 76 | ,725 |
| Based on Median and with adjusted df | ,125 | 1 | 74,122 | ,725 |
| Based on trimmed mean | ,239 | 1 | 76 | ,626 |

Homogenitas pretes

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variance** | | | | | |
|  | | Levene Statistic | df1 | df2 | Sig. |
| hasil belajar | Based on Mean | ,564 | 1 | 76 | ,455 |
| Based on Median | ,227 | 1 | 76 | ,635 |
| Based on Median and with adjusted df | ,227 | 1 | 74,802 | ,635 |
| Based on trimmed mean | ,497 | 1 | 76 | ,483 |
|  |  |  |  |  |  |

Lampiran 7

UJI HIPOTESIS

UJI T TES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Group Statistics** | | | | | |
|  | kelas | N | Mean | Std. Deviation | Std. Error Mean |
| hasilbelajar | kelaseksperimen | 39 | 85,77 | 7,062 | 1,131 |
| kelaskontrol | 39 | 75,59 | 5,413 | ,867 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Independent Samples Test** | | | | | | | | | | |
|  | | Levene's Test for Equality of Variances | | t-test for Equality of Means | | | | | | |
| F | Sig. | t | df | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference | |
| Lower | Upper |
| hasilbelajar | Equal variances assumed | 3,580 | ,062 | 7,145 | 76 | ,000 | 10,179 | 1,425 | 7,342 | 13,017 |
| Equal variances not assumed |  |  | 7,145 | 71,196 | ,000 | 10,179 | 1,425 | 7,339 | 13,020 |