Lampiran

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Statistics** | | | | | | | |
|  | | Pretest Kelompok Eksperimen | Posttest Kelompok Eksperimen | Pretest Kelompok Kontrol | Posttest Kelompok Kontrol | Followup Kelompok Eksperimen | Followup Kelompok Kontrol |
| N | Valid | 5 | 5 | 5 | 5 | 5 | 5 |
| Missing | 5 | 5 | 5 | 5 | 5 | 5 |
| Mean | | 29.40 | 22.80 | 23.60 | 26.20 | 11.80 | 29.20 |
| Median | | 29.00 | 17.00 | 24.00 | 22.00 | 12.00 | 28.00 |

Uji beda eksperimen

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Posttest Kelompok Eksperimen - Pretest Kelompok Eksperimen |
| Z | -1.753b |
| Asymp. Sig. (2-tailed) | .080 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on positive ranks. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| Posttest Kelompok Eksperimen - Pretest Kelompok Eksperimen | Negative Ranks | 4a | 3.50 | 14.00 |
| Positive Ranks | 1b | 1.00 | 1.00 |
| Ties | 0c |  |  |
| Total | 5 |  |  |
| a. Posttest Kelompok Eksperimen < Pretest Kelompok Eksperimen | | | | |
| b. Posttest Kelompok Eksperimen > Pretest Kelompok Eksperimen | | | | |
| c. Posttest Kelompok Eksperimen = Pretest Kelompok Eksperimen | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Followup Kelompok Eksperimen - Pretest Kelompok Eksperimen |
| Z | -2.032b |
| Asymp. Sig. (2-tailed) | .042 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on positive ranks. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| Followup Kelompok Eksperimen - Pretest Kelompok Eksperimen | Negative Ranks | 5a | 3.00 | 15.00 |
| Positive Ranks | 0b | .00 | .00 |
| Ties | 0c |  |  |
| Total | 5 |  |  |
| a. Followup Kelompok Eksperimen < Pretest Kelompok Eksperimen | | | | |
| b. Followup Kelompok Eksperimen > Pretest Kelompok Eksperimen | | | | |
| c. Followup Kelompok Eksperimen = Pretest Kelompok Eksperimen | | | | |

Uji beda kontrol

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Posttest Kelompok Kontrol - Pretest Kelompok Kontrol |
| Z | -.542b |
| Asymp. Sig. (2-tailed) | .588 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on negative ranks. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| Posttest Kelompok Kontrol - Pretest Kelompok Kontrol | Negative Ranks | 2a | 2.75 | 5.50 |
| Positive Ranks | 3b | 3.17 | 9.50 |
| Ties | 0c |  |  |
| Total | 5 |  |  |
| a. Posttest Kelompok Kontrol < Pretest Kelompok Kontrol | | | | |
| b. Posttest Kelompok Kontrol > Pretest Kelompok Kontrol | | | | |
| c. Posttest Kelompok Kontrol = Pretest Kelompok Kontrol | | | | |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Followup Kelompok Kontrol - Pretest Kelompok Kontrol |
| Z | -2.023b |
| Asymp. Sig. (2-tailed) | .043 |
| a. Wilcoxon Signed Ranks Test | |
| b. Based on negative ranks. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | | N | Mean Rank | Sum of Ranks |
| Followup Kelompok Kontrol - Pretest Kelompok Kontrol | Negative Ranks | 0a | .00 | .00 |
| Positive Ranks | 5b | 3.00 | 15.00 |
| Ties | 0c |  |  |
| Total | 5 |  |  |
| a. Followup Kelompok Kontrol < Pretest Kelompok Kontrol | | | | |
| b. Followup Kelompok Kontrol > Pretest Kelompok Kontrol | | | | |
| c. Followup Kelompok Kontrol = Pretest Kelompok Kontrol | | | | |

Uji beda eksperimen-kontrol

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Hasil\_pretest |
| Mann-Whitney U | 7.000 |
| Wilcoxon W | 22.000 |
| Z | -1.156 |
| Asymp. Sig. (2-tailed) | .248 |
| Exact Sig. [2\*(1-tailed Sig.)] | .310b |
| a. Grouping Variable: Kelompok | |
| b. Not corrected for ties. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Kelompok | N | Mean Rank | Sum of Ranks |
| Hasil\_pretest | Kelompok Eksperimen | 5 | 6.60 | 33.00 |
| Kelompok Kontrol | 5 | 4.40 | 22.00 |
| Total | 10 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Hasil\_posttest |
| Mann-Whitney U | 8.000 |
| Wilcoxon W | 23.000 |
| Z | -.952 |
| Asymp. Sig. (2-tailed) | .341 |
| Exact Sig. [2\*(1-tailed Sig.)] | .421b |
| a. Grouping Variable: Kelompok | |
| b. Not corrected for ties. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Kelompok | N | Mean Rank | Sum of Ranks |
| Hasil\_posttest | Kelompok Eksperimen | 5 | 4.60 | 23.00 |
| Kelompok Kontrol | 5 | 6.40 | 32.00 |
| Total | 10 |  |  |

|  |  |
| --- | --- |
| **Test Statisticsa** | |
|  | Hasil\_Followup |
| Mann-Whitney U | .000 |
| Wilcoxon W | 15.000 |
| Z | -2.627 |
| Asymp. Sig. (2-tailed) | .009 |
| Exact Sig. [2\*(1-tailed Sig.)] | .008b |
| a. Grouping Variable: Kelompok | |
| b. Not corrected for ties. | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Ranks** | | | | |
|  | Kelompok | N | Mean Rank | Sum of Ranks |
| Hasil\_Followup | Kelompok Eksperimen | 5 | 3.00 | 15.00 |
| Kelompok Kontrol | 5 | 8.00 | 40.00 |
| Total | 10 |  |  |