**Hasil Analisis Statistik Data Penelitian Skala Intensi *Bullying***

**Perolehan Skor Intensi *Bullying* Kelompok Eksperimen**

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| --- | --- | --- | --- | --- |
| **Nama** | **JK** | ***Pretest*** | ***Posttest*** | ***Follow Up*** |
| EM | L | 172 | 106 | 104 |
| HA | L | 160 | 97 | 96 |
| MI | L | 159 | 91 | 88 |
| RI | P | 154 | 83 | 79 |
| KH | P | 162 | 89 | 85 |
| KA | P | 163 | 84 | 75 |
| AL | P | 168 | 88 | 86 |
| AG | L | 150 | 99 | 95 |
| HAN | P | 160 | 84 | 82 |
| BIN | L | 152 | 89 | 90 |
| OL | P | 145 | 78 | 76 |
| ZA | L | 155 | 93 | 91 |
| BR | L | 166 | 78 | 82 |
| FA | L | 167 | 86 | 83 |
| RE | L | 166 | 98 | 94 |
| YU | L | 172 | 75 | 70 |
| AN | L | 228 | 107 | 102 |
| HE | L | 176 | 103 | 101 |
| EK | L | 167 | 97 | 97 |
| PR | P | 161 | 75 | 74 |

**Kelompok Kontrol**

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| **Nama** | **JK** | ***Pretest*** | ***Posttest*** | ***Follow Up*** |
| YO | L | 164 | 156 | 158 |
| BI | L | 161 | 155 | 155 |
| AR | L | 158 | 151 | 149 |
| BE | L | 156 | 149 | 145 |
| HU | L | 169 | 159 | 154 |
| HAF | L | 153 | 143 | 142 |
| ALI | P | 151 | 146 | 145 |
| AN | P | 152 | 148 | 146 |
| NI | P | 154 | 147 | 142 |
| TH | P | 139 | 144 | 145 |
| FI | P | 144 | 151 | 149 |
| KHA | P | 162 | 158 | 152 |
| AR | L | 168 | 156 | 158 |
| HF | P | 172 | 163 | 163 |
| IB | L | 173 | 163 | 165 |
| MU | L | 175 | 166 | 168 |
| ALR | P | 166 | 157 | 157 |
| NI | L | 172 | 163 | 165 |
| UM | L | 195 | 178 | 170 |

**Rerata dan SD Usia partisipan**

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| **Descriptive Statistics** |
|  | N | Minimum | Maximum | Mean | Std. Deviation |
| Usia | 39 | 108.00 | 144.00 | 128.4359 | 9.72462 |
| Valid N (listwise) | 39 |  |  |  |  |

**Deskripsi Statistik**

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| **Descriptive Statistics** |
|  | Group | Mean | Std. Deviation | N |
| Pre | 1.00 | 162.3158 | 12.81081 | 19 |
| 2.00 | 165.1500 | 16.75921 | 20 |
| Total | 163.7692 | 14.84031 | 39 |
| Pos | 1.00 | 155.4211 | 8.80856 | 19 |
| 2.00 | 90.0000 | 9.86221 | 20 |
| Total | 121.8718 | 34.39184 | 39 |
| Follow | 1.00 | 154.1053 | 9.02401 | 19 |
| 2.00 | 87.5000 | 9.95516 | 20 |
| Total | 119.9487 | 35.00898 | 39 |

**Uji Homogenitas**

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| **Test of Homogeneity of Variance** |
|  | Levene Statistic | df1 | df2 | Sig. |
| Pre |  | .005 | 1 | 37 | .947 |
| Pos |  | .563 | 1 | 37 | .458 |
| Follow |  | .210 | 1 | 37 | .649 |

**General Linear Model**

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| **Within-Subjects Factors** |
| Measure: MEASURE\_1  |
| time | Dependent Variable |
| 1 | Pre |
| 2 | Pos |
| 3 | Follow |

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| **Descriptive Statistics** |
|  | Group | Mean | Std. Deviation | N |
| Pre | 1.00 | 162.3158 | 12.81081 | 19 |
| 2.00 | 165.1500 | 16.75921 | 20 |
| Total | 163.7692 | 14.84031 | 39 |
| Pos | 1.00 | 155.4211 | 8.80856 | 19 |
| 2.00 | 90.0000 | 9.86221 | 20 |
| Total | 121.8718 | 34.39184 | 39 |
| Follow | 1.00 | 154.1053 | 9.02401 | 19 |
| 2.00 | 87.5000 | 9.95516 | 20 |
| Total | 119.9487 | 35.00898 | 39 |

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| **Box's Test of Equality of Covariance Matricesa** |
| Box's M | 25.269 |
| F | 3.839 |
| df1 | 6 |
| df2 | 9841.655 |
| Sig. | .001 |
| Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups. |
| a. Design: Intercept + Group  Within Subjects Design: time |

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| **Multivariate Testsa** |
| Effect | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
| time | Pillai's Trace | .932 | 245.492b | 2.000 | 36.000 | .000 | .932 |
| Wilks' Lambda | .068 | 245.492b | 2.000 | 36.000 | .000 | .932 |
| Hotelling's Trace | 13.638 | 245.492b | 2.000 | 36.000 | .000 | .932 |
| Roy's Largest Root | 13.638 | 245.492b | 2.000 | 36.000 | .000 | .932 |
| time \* Group | Pillai's Trace | .904 | 170.010b | 2.000 | 36.000 | .000 | .904 |
| Wilks' Lambda | .096 | 170.010b | 2.000 | 36.000 | .000 | .904 |
| Hotelling's Trace | 9.445 | 170.010b | 2.000 | 36.000 | .000 | .904 |
| Roy's Largest Root | 9.445 | 170.010b | 2.000 | 36.000 | .000 | .904 |
| a. Design: Intercept + Group  Within Subjects Design: time |
| b. Exact statistic |

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| **Mauchly's Test of Sphericitya** |
| Measure: MEASURE\_1  |
| Within Subjects Effect | Mauchly's W | Approx. Chi-Square | df | Sig. | Epsilonb |
| Greenhouse-Geisser | Huynh-Feldt | Lower-bound |
| time | .153 | 67.680 | 2 | .000 | .541 | .560 | .500 |
| Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix. |
| a. Design: Intercept + Group  Within Subjects Design: time |
| b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table. |

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| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| time | Sphericity Assumed | 45853.103 | 2 | 22926.551 | 481.926 | .000 | .929 |
| **Greenhouse-Geisser** | **45853.103** | **1.083** | **42354.748** | **481.926** | **.000** | .929 |
| Huynh-Feldt | 45853.103 | 1.120 | 40946.609 | 481.926 | .000 | .929 |
| Lower-bound | 45853.103 | 1.000 | 45853.103 | 481.926 | .000 | .929 |
| time \* Group | Sphericity Assumed | 30796.317 | 2 | 15398.158 | 323.676 | .000 | .897 |
| **Greenhouse-Geisser** | **30796.317** | **1.083** | **28446.717** | **323.676** | **.000** | .897 |
| Huynh-Feldt | 30796.317 | 1.120 | 27500.968 | 323.676 | .000 | .897 |
| Lower-bound | 30796.317 | 1.000 | 30796.317 | 323.676 | .000 | .897 |
| Error(time) | Sphericity Assumed | 3520.384 | 74 | 47.573 |  |  |  |
| **Greenhouse-Geisser** | **3520.384** | **40.056** | **87.886** |  |  |  |
| Huynh-Feldt | 3520.384 | 41.434 | 84.965 |  |  |  |
| Lower-bound | 3520.384 | 37.000 | 95.146 |  |  |  |

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| **Tests of Within-Subjects Contrasts** |
| Measure: MEASURE\_1  |
| Source | time | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| time | Level 1 vs. Level 2 | 65587.404 | 1 | 65587.404 | 503.019 | .000 | .931 |
| Level 2 vs. Level 3 | 141.869 | 1 | 141.869 | 17.550 | .000 | .322 |
| time \* Group | Level 1 vs. Level 2 | 45393.250 | 1 | 45393.250 | 348.141 | .000 | .904 |
| Level 2 vs. Level 3 | 13.664 | 1 | 13.664 | 1.690 | .202 | .044 |
| Error(time) | Level 1 vs. Level 2 | 4824.339 | 37 | 130.388 |  |  |  |
| Level 2 vs. Level 3 | 299.105 | 37 | 8.084 |  |  |  |

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| **Levene's Test of Equality of Error Variancesa** |
|  | Levene Statistic | df1 | df2 | Sig. |
| Pre | Based on Mean | .005 | 1 | 37 | .947 |
| Based on Median | .014 | 1 | 37 | .905 |
| Based on Median and with adjusted df | .014 | 1 | 29.449 | .906 |
| Based on trimmed mean | .015 | 1 | 37 | .903 |
| Pos | Based on Mean | .563 | 1 | 37 | .458 |
| Based on Median | .474 | 1 | 37 | .496 |
| Based on Median and with adjusted df | .474 | 1 | 36.972 | .496 |
| Based on trimmed mean | .516 | 1 | 37 | .477 |
| Follow | Based on Mean | .210 | 1 | 37 | .649 |
| Based on Median | .212 | 1 | 37 | .648 |
| Based on Median and with adjusted df | .212 | 1 | 36.420 | .648 |
| Based on trimmed mean | .210 | 1 | 37 | .649 |
| Tests the null hypothesis that the error variance of the dependent variable is equal across groups. |
| a. Design: Intercept + Group  Within Subjects Design: time |

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| **Tests of Between-Subjects Effects** |
| Measure: MEASURE\_1  |
| Transformed Variable: Average  |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| Intercept | 718208.000 | 1 | 718208.000 | 7015.421 | .000 | .995 |
| Group | 18069.596 | 1 | 18069.596 | 176.503 | .000 | .827 |
| Error | 3787.897 | 37 | 102.376 |  |  |  |

**Estimated Marginal Means**

**Group \* time**

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| **Estimates** |
| Measure: MEASURE\_1  |
| Group | time | Mean | Std. Error | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| 1.00 | 1 | 162.316 | 3.434 | 155.358 | 169.274 |
| 2 | 155.421 | 2.148 | 151.068 | 159.774 |
| 3 | 154.105 | 2.183 | 149.683 | 158.528 |
| 2.00 | 1 | 165.150 | 3.347 | 158.368 | 171.932 |
| 2 | 90.000 | 2.094 | 85.757 | 94.243 |
| 3 | 87.500 | 2.127 | 83.190 | 91.810 |

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| **Pairwise Comparisons** |
| Measure: MEASURE\_1  |
| Group | (I) time | (J) time | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |
| Lower Bound | Upper Bound |
| 1.00 | 1 | 2 | 6.895\* | 2.620 | .012 | 1.587 | 12.203 |
| 3 | 8.211\* | 2.781 | .005 | 2.575 | 13.846 |
| 2 | 1 | -6.895\* | 2.620 | .012 | -12.203 | -1.587 |
| 3 | 1.316 | .652 | .051 | -.006 | 2.637 |
| 3 | 1 | -8.211\* | 2.781 | .005 | -13.846 | -2.575 |
| 2 | -1.316 | .652 | .051 | -2.637 | .006 |
| 2.00 | 1 | 2 | 75.150\* | 2.553 | .000 | 69.977 | 80.323 |
| 3 | 77.650\* | 2.711 | .000 | 72.157 | 83.143 |
| 2 | 1 | -75.150\* | 2.553 | .000 | -80.323 | -69.977 |
| 3 | 2.500\* | .636 | .000 | 1.212 | 3.788 |
| 3 | 1 | -77.650\* | 2.711 | .000 | -83.143 | -72.157 |
| 2 | -2.500\* | .636 | .000 | -3.788 | -1.212 |
| Based on estimated marginal means |
| \*. The mean difference is significant at the .050 level. |
| b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments). |

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| **Multivariate Tests** |
| Group | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
| 1.00 | Pillai's trace | .209 | 4.755a | 2.000 | 36.000 | .015 | .209 |
| Wilks' lambda | .791 | 4.755a | 2.000 | 36.000 | .015 | .209 |
| Hotelling's trace | .264 | 4.755a | 2.000 | 36.000 | .015 | .209 |
| Roy's largest root | .264 | 4.755a | 2.000 | 36.000 | .015 | .209 |
| 2.00 | Pillai's trace | .959 | 421.431a | 2.000 | 36.000 | .000 | .959 |
| Wilks' lambda | .041 | 421.431a | 2.000 | 36.000 | .000 | .959 |
| Hotelling's trace | 23.413 | 421.431a | 2.000 | 36.000 | .000 | .959 |
| Roy's largest root | 23.413 | 421.431a | 2.000 | 36.000 | .000 | .959 |
| Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means. |
| a. Exact statistic |

**Profile Plots**



**Hasil Analisis Statistik *Manipulation Check* Skala Empati**

**Uji Homogenitas**

|  |
| --- |
| **Test of Homogeneity of Variance** |
|  | Levene Statistic | df1 | df2 | Sig. |
| Pre |  | .078 | 1 | 37 | .781 |
| Pos |  | .330 | 1 | 37 | .569 |
| Follow |  | .052 | 1 | 37 | .821 |

**General Linear Model**

|  |
| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| time | Sphericity Assumed | 3441.998 | 2 | 1720.999 | 172.498 | .000 | .823 |
| Greenhouse-Geisser | 3441.998 | 1.157 | 2974.506 | 172.498 | .000 | .823 |
| Huynh-Feldt | 3441.998 | 1.203 | 2860.478 | 172.498 | .000 | .823 |
| Lower-bound | 3441.998 | 1.000 | 3441.998 | 172.498 | .000 | .823 |
| time \* Group | Sphericity Assumed | 3181.690 | 2 | 1590.845 | 159.452 | .000 | .812 |
| Greenhouse-Geisser | 3181.690 | 1.157 | 2749.553 | 159.452 | .000 | .812 |
| Huynh-Feldt | 3181.690 | 1.203 | 2644.149 | 159.452 | .000 | .812 |
| Lower-bound | 3181.690 | 1.000 | 3181.690 | 159.452 | .000 | .812 |
| Error(time) | Sphericity Assumed | 738.293 | 74 | 9.977 |  |  |  |
| Greenhouse-Geisser | 738.293 | 42.815 | 17.244 |  |  |  |
| Huynh-Feldt | 738.293 | 44.522 | 16.583 |  |  |  |
| Lower-bound | 738.293 | 37.000 | 19.954 |  |  |  |

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| --- |
| **Pairwise Comparisons** |
| Measure: MEASURE\_1  |
| Group | (I) time | (J) time | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |
| Lower Bound | Upper Bound |
| 1.00 | 1 | 2 | -.737 | 1.191 | .540 | -3.151 | 1.677 |
| 3 | -.211 | 1.254 | .868 | -2.752 | 2.331 |
| 2 | 1 | .737 | 1.191 | .540 | -1.677 | 3.151 |
| 3 | .526 | .398 | .194 | -.280 | 1.332 |
| 3 | 1 | .211 | 1.254 | .868 | -2.331 | 2.752 |
| 2 | -.526 | .398 | .194 | -1.332 | .280 |
| 2.00 | 1 | 2 | -21.700\* | 1.161 | .000 | -24.053 | -19.347 |
| 3 | -23.350\* | 1.222 | .000 | -25.827 | -20.873 |
| 2 | 1 | 21.700\* | 1.161 | .000 | 19.347 | 24.053 |
| 3 | -1.650\* | .388 | .000 | -2.436 | -.864 |
| 3 | 1 | 23.350\* | 1.222 | .000 | 20.873 | 25.827 |
| 2 | 1.650\* | .388 | .000 | .864 | 2.436 |
| Based on estimated marginal means |
| \*. The mean difference is significant at the .050 level. |
| b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments). |

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| --- |
| **Multivariate Tests** |
| Group | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
| 1.00 | Pillai's trace | .054 | 1.033a | 2.000 | 36.000 | .366 | .054 |
| Wilks' lambda | .946 | 1.033a | 2.000 | 36.000 | .366 | .054 |
| Hotelling's trace | .057 | 1.033a | 2.000 | 36.000 | .366 | .054 |
| Roy's largest root | .057 | 1.033a | 2.000 | 36.000 | .366 | .054 |
| 2.00 | Pillai's trace | .909 | 179.094a | 2.000 | 36.000 | .000 | .909 |
| Wilks' lambda | .091 | 179.094a | 2.000 | 36.000 | .000 | .909 |
| Hotelling's trace | 9.950 | 179.094a | 2.000 | 36.000 | .000 | .909 |
| Roy's largest root | 9.950 | 179.094a | 2.000 | 36.000 | .000 | .909 |
| Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means. |
| a. Exact statistic |

**Profile Plots**



**Hasil Analisis Statistik *Manipulation Check* Tes Pengetahuan *Bullying***

**Uji Homogenitas**

|  |
| --- |
| **Test of Homogeneity of Variance** |
|  | Levene Statistic | df1 | df2 | Sig. |
| Pre |  | .975 | 1 | 37 | .330 |
| Pos |  | .319 | 1 | 37 | .576 |
| Follow |  | .478 | 1 | 37 | .494 |

**General Linear Model**

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| --- |
| **Tests of Within-Subjects Effects** |
| Measure: MEASURE\_1  |
| Source | Type III Sum of Squares | df | Mean Square | F | Sig. | Partial Eta Squared |
| time | Sphericity Assumed | 210.760 | 2 | 105.380 | 86.049 | .000 | .699 |
| Greenhouse-Geisser | 210.760 | 1.521 | 138.585 | 86.049 | .000 | .699 |
| Huynh-Feldt | 210.760 | 1.615 | 130.474 | 86.049 | .000 | .699 |
| Lower-bound | 210.760 | 1.000 | 210.760 | 86.049 | .000 | .699 |
| time \* Group | Sphericity Assumed | 163.512 | 2 | 81.756 | 66.758 | .000 | .643 |
| Greenhouse-Geisser | 163.512 | 1.521 | 107.517 | 66.758 | .000 | .643 |
| Huynh-Feldt | 163.512 | 1.615 | 101.224 | 66.758 | .000 | .643 |
| Lower-bound | 163.512 | 1.000 | 163.512 | 66.758 | .000 | .643 |
| Error(time) | Sphericity Assumed | 90.625 | 74 | 1.225 |  |  |  |
| Greenhouse-Geisser | 90.625 | 56.270 | 1.611 |  |  |  |
| Huynh-Feldt | 90.625 | 59.768 | 1.516 |  |  |  |
| Lower-bound | 90.625 | 37.000 | 2.449 |  |  |  |

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| **Pairwise Comparisons** |
| Measure: MEASURE\_1  |
| Group | (I) time | (J) time | Mean Difference (I-J) | Std. Error | Sig.b | 95% Confidence Interval for Differenceb |
| Lower Bound | Upper Bound |
| 1.00 | 1 | 2 | -.368 | .365 | .319 | -1.108 | .371 |
| 3 | -.316 | .435 | .473 | -1.197 | .566 |
| 2 | 1 | .368 | .365 | .319 | -.371 | 1.108 |
| 3 | .053 | .253 | .837 | -.461 | .566 |
| 3 | 1 | .316 | .435 | .473 | -.566 | 1.197 |
| 2 | -.053 | .253 | .837 | -.566 | .461 |
| 2.00 | 1 | 2 | -5.200\* | .356 | .000 | -5.921 | -4.479 |
| 3 | -5.500\* | .424 | .000 | -6.359 | -4.641 |
| 2 | 1 | 5.200\* | .356 | .000 | 4.479 | 5.921 |
| 3 | -.300 | .247 | .232 | -.800 | .200 |
| 3 | 1 | 5.500\* | .424 | .000 | 4.641 | 6.359 |
| 2 | .300 | .247 | .232 | -.200 | .800 |
| Based on estimated marginal means |
| \*. The mean difference is significant at the .050 level. |
| b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments). |

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| --- |
| **Multivariate Tests** |
| Group | Value | F | Hypothesis df | Error df | Sig. | Partial Eta Squared |
| 1.00 | Pillai's trace | .027 | .509a | 2.000 | 36.000 | .605 | .027 |
| Wilks' lambda | .973 | .509a | 2.000 | 36.000 | .605 | .027 |
| Hotelling's trace | .028 | .509a | 2.000 | 36.000 | .605 | .027 |
| Roy's largest root | .028 | .509a | 2.000 | 36.000 | .605 | .027 |
| 2.00 | Pillai's trace | .854 | 105.647a | 2.000 | 36.000 | .000 | .854 |
| Wilks' lambda | .146 | 105.647a | 2.000 | 36.000 | .000 | .854 |
| Hotelling's trace | 5.869 | 105.647a | 2.000 | 36.000 | .000 | .854 |
| Roy's largest root | 5.869 | 105.647a | 2.000 | 36.000 | .000 | .854 |
| Each F tests the multivariate simple effects of time within each level combination of the other effects shown. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means. |
| a. Exact statistic |

**Profile Plots**

