**Lampiran Manuskrip Jurnal SKIPM Jogja.**

**Pengujian Statistika**

**2.1. Pengujian Normalitas dan Homogenitas Data**

EXAMINE VARIABLES=jml\_ikan\_invasif BY FasilitasPembenihan LokasiSurvei

 /PLOT NPPLOT SPREADLEVEL(1)

 /STATISTICS DESCRIPTIVES

 /CINTERVAL 95

 /MISSING LISTWISE

 /NOTOTAL.

**FasilitasPembenihan**

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| **Case Processing Summary** |
|  | FasilitasPembenihan | Cases |
|  | Valid | Missing | Total |
|  | N | Percent | N | Percent | N | Percent |
| jml\_ikan\_invasif | AdaFasPembenihan | 12 | 100,0% | 0 | 0,0% | 12 | 100,0% |
| TidakAdaFasPembenihan | 12 | 100,0% | 0 | 0,0% | 12 | 100,0% |

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| **Descriptives** |
|  | FasilitasPembenihan | Statistic | Std. Error |
| jml\_ikan\_invasif | AdaFasPembenihan | Mean | 6,5833 | ,83900 |
| 95% Confidence Interval for Mean | Lower Bound | 4,7367 |  |
| Upper Bound | 8,4300 |  |
| 5% Trimmed Mean | 6,5370 |  |
| Median | 6,5000 |  |
| Variance | 8,447 |  |
| Std. Deviation | 2,90637 |  |
| Minimum | 2,00 |  |
| Maximum | 12,00 |  |
| Range | 10,00 |  |
| Interquartile Range | 3,75 |  |
| Skewness | ,498 | ,637 |
| Kurtosis | -,075 | 1,232 |
| TidakAdaFasPembenihan | Mean | 8,0833 | ,58333 |
| 95% Confidence Interval for Mean | Lower Bound | 6,7994 |  |
| Upper Bound | 9,3672 |  |
| 5% Trimmed Mean | 7,9259 |  |
| Median | 8,0000 |  |
| Variance | 4,083 |  |
| Std. Deviation | 2,02073 |  |
| Minimum | 6,00 |  |
| Maximum | 13,00 |  |
| Range | 7,00 |  |
| Interquartile Range | 2,75 |  |
| Skewness | 1,293 | ,637 |
| Kurtosis | 2,190 | 1,232 |

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| **Tests of Normality** |
|  | FasilitasPembenihan | Kolmogorov-Smirnova | Shapiro-Wilk |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| jml\_ikan\_invasif | AdaFasPembenihan | ,146 | 12 | ,200\* | ,958 | 12 | ,748 |
| TidakAdaFasPembenihan | ,183 | 12 | ,200\* | ,877 | 12 | ,080 |
| \*. This is a lower bound of the true significance. |
| a. Lilliefors Significance Correction |

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| **Test of Homogeneity of Variance** |
|  | Levene Statistic | df1 | df2 | Sig. |
| jml\_ikan\_invasif | Based on Mean | 1,646 | 1 | 22 | ,213 |
| Based on Median | 1,724 | 1 | 22 | ,203 |
| Based on Median and with adjusted df | 1,724 | 1 | 21,044 | ,203 |
| Based on trimmed mean | 1,682 | 1 | 22 | ,208 |

**LokasiSurvei**

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| **Case Processing Summary** |
|  | LokasiSurvei | Cases |
|  | Valid | Missing | Total |
|  | N | Percent | N | Percent | N | Percent |
| jml\_ikan\_invasif | DalamSatuKompleks | 12 | 100,0% | 0 | 0,0% | 12 | 100,0% |
| Mandiri | 12 | 100,0% | 0 | 0,0% | 12 | 100,0% |

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| **Descriptives** |
|  | LokasiSurvei | Statistic | Std. Error |
| jml\_ikan\_invasif | DalamSatuKompleks | Mean | 6,3333 | ,56854 |
| 95% Confidence Interval for Mean | Lower Bound | 5,0820 |  |
| Upper Bound | 7,5847 |  |
| 5% Trimmed Mean | 6,4259 |  |
| Median | 6,5000 |  |
| Variance | 3,879 |  |
| Std. Deviation | 1,96946 |  |
| Minimum | 2,00 |  |
| Maximum | 9,00 |  |
| Range | 7,00 |  |
| Interquartile Range | 2,75 |  |
| Skewness | -,901 | ,637 |
| Kurtosis | ,780 | 1,232 |
| Mandiri | Mean | 8,3333 | ,80088 |
| 95% Confidence Interval for Mean | Lower Bound | 6,5706 |  |
| Upper Bound | 10,0961 |  |
| 5% Trimmed Mean | 8,3148 |  |
| Median | 8,0000 |  |
| Variance | 7,697 |  |
| Std. Deviation | 2,77434 |  |
| Minimum | 4,00 |  |
| Maximum | 13,00 |  |
| Range | 9,00 |  |
| Interquartile Range | 4,50 |  |
| Skewness | ,199 | ,637 |
| Kurtosis | -,774 | 1,232 |

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| **Tests of Normality** |
|  | LokasiSurvei | Kolmogorov-Smirnova | Shapiro-Wilk |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| jml\_ikan\_invasif | DalamSatuKompleks | ,183 | 12 | ,200\* | ,932 | 12 | ,403 |
| Mandiri | ,131 | 12 | ,200\* | ,976 | 12 | ,961 |
| \*. This is a lower bound of the true significance. |
| a. Lilliefors Significance Correction |

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| **Test of Homogeneity of Variance** |
|  | Levene Statistic | df1 | df2 | Sig. |
| jml\_ikan\_invasif | Based on Mean | 1,676 | 1 | 22 | ,209 |
| Based on Median | 1,285 | 1 | 22 | ,269 |
| Based on Median and with adjusted df | 1,285 | 1 | 20,192 | ,270 |
| Based on trimmed mean | 1,651 | 1 | 22 | ,212 |

**2.2. Pengujian analisa varian dua arah**

UNIANOVA jmlh\_ikn\_inv BY FasilitasPembenihan LokasiSurvei

 /METHOD=SSTYPE(3)

 /INTERCEPT=INCLUDE

 /POSTHOC=FasilitasPembenihan LokasiSurvei(SCHEFFE)

 /PLOT=PROFILE(FasilitasPembenihan\*LokasiSurvei)

 /EMMEANS=TABLES(FasilitasPembenihan)

 /EMMEANS=TABLES(LokasiSurvei)

 /EMMEANS=TABLES(FasilitasPembenihan\*LokasiSurvei)

 /PRINT=ETASQ HOMOGENEITY DESCRIPTIVE

 /CRITERIA=ALPHA(.05)

 /DESIGN=FasilitasPembenihan LokasiSurvei FasilitasPembenihan\*LokasiSurvei.

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| **Between-Subjects Factors** |
|  | Value Label | N |
| FasilitasPembenihan | 1,00 | AdaFasPembenihan | 12 |
| 2,00 | TidakAdaFasPembenihan | 12 |
| LokasiSurvei | 11,00 | DalamSatuKompleks | 12 |
| 22,00 | Mandiri | 12 |

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| **Descriptive Statistics** |
| Dependent Variable: jmlh\_ikn\_inv  |
| FasilitasPembenihan | LokasiSurvei | Mean | Std. Deviation | N |
| AdaFasPembenihan | DalamSatuKompleks | 5,5000 | 2,34521 | 6 |
| Mandiri | 11,0000 | 6,89928 | 6 |
| Total | 8,2500 | 5,69090 | 12 |
| TidakAdaFasPembenihan | DalamSatuKompleks | 6,5000 | 1,87083 | 6 |
| Mandiri | 9,0000 | 2,36643 | 6 |
| Total | 7,7500 | 2,41680 | 12 |
| Total | DalamSatuKompleks | 6,0000 | 2,08893 | 12 |
| Mandiri | 10,0000 | 5,02720 | 12 |
| Total | 8,0000 | 4,28344 | 24 |

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| **Levene's Test of Equality of Error Variancesa** |
| Dependent Variable: jmlh\_ikn\_inv  |
| F | df1 | df2 | Sig. |
| 2,094 | 3 | 20 | ,133 |
| Tests the null hypothesis that the error variance of the dependent variable is equal across groups. |
| a. Design: Intercept + FasilitasPembenihan + LokasiSurvei + FasilitasPembenihan \* LokasiSurvei |

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| **Tests of Between-Subjects Effects** |
| Dependent Variable: jmlh\_ikn\_inv  |
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| Source | Type III Sum of Squares | df | Mean Square | F | Sig. |
| Corrected Model | 111,000a | 3 | 37,000 | 2,379 | ,100 |
| Intercept | 1536,000 | 1 | 1536,000 | 98,778 | ,000 |
| FasilitasPembenihan | 1,500 | 1 | 1,500 | ,096 | ,759 |
| LokasiSurvei | 96,000 | 1 | 96,000 | 6,174 | ,022 |
| FasilitasPembenihan \* LokasiSurvei | 13,500 | 1 | 13,500 | ,868 | ,363 |
| Error | 311,000 | 20 | 15,550 |  |  |
| Total | 1958,000 | 24 |  |  |  |
| Corrected Total | 422,000 | 23 |  |  |  |
| a. R Squared = ,263 (Adjusted R Squared = ,152) |

**Estimated Marginal Means**

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| **1. FasilitasPembenihan** |
| Dependent Variable: jmlh\_ikn\_inv  |
| FasilitasPembenihan | Mean | Std. Error | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| AdaFasPembenihan | 8,250 | 1,138 | 5,875 | 10,625 |
| TidakAdaFasPembenihan | 7,750 | 1,138 | 5,375 | 10,125 |

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| **2. LokasiSurvei** |
| Dependent Variable: jmlh\_ikn\_inv  |
| LokasiSurvei | Mean | Std. Error | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| DalamSatuKompleks | 6,000 | 1,138 | 3,625 | 8,375 |
| Mandiri | 10,000 | 1,138 | 7,625 | 12,375 |

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| **3. FasilitasPembenihan \* LokasiSurvei** |
| Dependent Variable: jmlh\_ikn\_inv  |
| FasilitasPembenihan | LokasiSurvei | Mean | Std. Error | 95% Confidence Interval |
| Lower Bound | Upper Bound |
| AdaFasPembenihan | DalamSatuKompleks | 5,500 | 1,610 | 2,142 | 8,858 |
| Mandiri | 11,000 | 1,610 | 7,642 | 14,358 |
| TidakAdaFasPembenihan | DalamSatuKompleks | 6,500 | 1,610 | 3,142 | 9,858 |
| Mandiri | 9,000 | 1,610 | 5,642 | 12,358 |

**Profile Plot**