# LAMPIRAN

UNIVERSITAS PENDIDIKAN GANESHA
UNDIKSHA

Lampiran

1. Nilai rata-rata dan Standar deviasi

**Parameter warna**

**Statistics**

| | | P0_W | P1_W | P2_W | P3_W | P4_W |
|---|---|---|---|---|---|---|
| N | Valid | 25 | 25 | 25 | 25 | 25 |
| Mean | | 3.5400 | 3.3200 | 3.3300 | 3.2800 | 3.1200 |
| Std. Deviation | | .35119 | .40517 | .32851 | .34851 | .34701 |

**Parameter rasa**

**Statistics**

| | | P0_W | P1_W | P2_W | P3_W | P4_W |
|---|---|---|---|---|---|---|
| N | Valid | 25 | 25 | 25 | 25 | 25 |
| Mean | | 3.1500 | 3.3600 | 3.3800 | 3.4800 | 3.5900 |
| Std. Deviation | | .31458 | .40234 | .36884 | .33789 | .34521 |

**Parameter aroma**

**Statistics**

| | | P0_W | P1_W | P2_W | P3_W | P4_W |
|---|---|---|---|---|---|---|
| N | Valid | 25 | 25 | 25 | 25 | 25 |
| Mean | | 3.2600 | 3.3000 | 3.4200 | 3.5000 | 3.5600 |
| Std. Deviation | | .40492 | .30619 | .29510 | .29756 | .39051 |

**Parameter tekstur**

**Statistics**

| | | P0_W | P1_W | P2_W | P3_W | P4_W |
|---|---|---|---|---|---|---|
| N | Valid | 25 | 25 | 25 | 25 | 25 |
| Mean | | 3.0400 | 3.2200 | 3.3500 | 3.5200 | 3.4300 |
| Std. Deviation | | .33603 | .44675 | .42081 | .28795 | .41155 |

**Parameter kadar air hari ke-7**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 11.8875 | 12.3900 | 12.8950 | 13.4125 | 13.9350 |
| Std. Deviation | .05377 | .06055 | .05196 | .05377 | .06758 |

**Parameter kadar air hari ke-14**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 13.2925 | 13.8150 | 14.2925 | 14.7925 | 15.2900 |
| Std. Deviation | .06397 | .07326 | .05852 | .06021 | .06831 |

**Parameter kadar air hari ke-21**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 15.6925 | 16.1850 | 16.7000 | 17.1900 | 17.7050 |
| Std. Deviation | .05439 | .05802 | .07439 | .06831 | .07937 |

**Parameter Lempeng total hari ke-7**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 1.0358E4 | 7.2412E3 | 7.0375E3 | 5.5250E3 | 4.2750E3 |
| Std. Deviation | 1.28683E2 | 8.33002E1 | 1.03078E2 | 1.04083E2 | 6.45497E1 |

**Parameter Lempeng total hari ke-14**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 2.0762E4 | 1.7075E4 | 1.4788E4 | 1.2662E4 | 1.1138E4 |
| Std. Deviation | 4.00780E2 | 4.90748E2 | 6.62539E2 | 4.13068E2 | 4.00780E2 |

**Parameter Lempeng total hari ke-21**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 2.7175E5 | 2.4175E5 | 2.1300E5 | 1.9200E5 | 1.7400E5 |
| Std. Deviation | 3.30404E3 | 3.30404E3 | 2.44949E3 | 3.55903E3 | 3.36650E3 |

**Parameter kapang khamir hari ke-14**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 8.6250E2 | 7.1000E2 | 5.5750E2 | 4.2500E2 | 3.0750E2 |
| Std. Deviation | 3.50000E1 | 2.58199E1 | 1.70783E1 | 2.08167E1 | 9.57427 |

**Parameter kapang khamir hari ke-21**

**Statistics**

| | P0 | P1 | P2 | P3 | P4 |
|---|---|---|---|---|---|
| Mean | 9.1250E3 | 7.1000E3 | 5.3000E3 | 3.9500E3 | 2.6000E3 |
| Std. Deviation | 2.98608E2 | 2.58199E2 | 2.58199E2 | 2.08167E2 | 1.82574E2 |

2. Uji Normalitas

Parameter Kadar air Hari ke- 7

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .990 | 4 | .957 |
| P1 | .962 | 4 | .792 |
| P2 | .981 | 4 | .906 |
| P3 | .990 | 4 | .957 |
| P4 | .993 | 4 | .971 |

a. Lilliefors Significance Correction

Parameter Kadar air Hari ke- 14

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .981 | 4 | .909 |
| P1 | .973 | 4 | .859 |
| P2 | .997 | 4 | .989 |
| P3 | .943 | 4 | .666 |
| P4 | .971 | 4 | .850 |

a. Lilliefors Significance Correction

Parameter Kadar air Hari ke- 21

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .968 | 4 | .82 7 |
| P1 | .981 | 4 | .908 |
| P2 | .944 | 4 | .676 |
| P3 | .971 | 4 | .850 |
| P4 | .946 | 4 | .689 |

a. Lilliefors Significance Correction

Parameter Lempeng total Hari ke- 7

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .949 | 4 | .712 |
| P1 | .982 | 4 | .911 |
| P2 | .926 | 4 | .572 |
| P3 | .998 | 4 | .995 |
| P4 | .993 | 4 | .972 |

a. Lilliefors Significance Correction

Parameter Lempeng total Hari ke- 14

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .950 | 4 | .719 |
| P1 | .997 | 4 | .988 |
| P2 | .847 | 4 | .215 |
| P3 | .991 | 4 | .962 |
| P4 | .950 | 4 | .719 |

a. Lilliefors Significance Correction

Parameter Lempeng total Hari ke- 21

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .916 | 4 | .513 |
| P1 | .916 | 4 | .513 |
| P2 | .860 | 4 | .262 |
| P3 | .838 | 4 | .189 |
| P4 | .1000 | 4 | .1000 |

a. Lilliefors Significance Correction

Parameter Kapang Khamir Hari ke- 14

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .979 | 4 | .894 |
| P1 | .993 | 4 | .972 |
| P2 | .971 | 4 | .850 |
| P3 | .998 | 4 | .995 |
| P4 | .863 | 4 | .272 |

a. Lilliefors Significance Correction

Parameter Kapang Khamir Hari ke- 21

**Test of Normality**

| | Shapiro-Wilk[a] | | |
|---|---|---|---|
| Kelompok | Statistic | Df | Sig. |
| P0 | .989 | 4 | .952 |
| P1 | .993 | 4 | .972 |
| P2 | .993 | 4 | .972 |
| P3 | .998 | 4 | .995 |
| P4 | .950 | 4 | .714 |

a. Lilliefors Significance Correction

3. Uji Homogenitas

Parameter Kadar Air Hari ke- 7

**Test of Homogeneity of Variances**

Kadar_air

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .122 | 4 | 15 | .972 |

Parameter Kadar Air Hari ke- 14

**Test of Homogeneity of Variances**

Kadar_air

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .094 | 4 | 15 | .983 |

Parameter Kadar Air Hari ke- 21

**Test of Homogeneity of Variances**

Kadar_air

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .278 | 4 | 15 | .887 |

Parameter Lempeng total Hari ke- 7

**Test of Homogeneity of Variances**

CFU/g

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .312 | 4 | 15 | .865 |

Parameter Lempeng total Hari ke- 14

**Test of Homogeneity of Variances**

CFU/g

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .402 | 4 | 15 | .804 |

Parameter Lempeng total Hari ke- 21

**Test of Homogeneity of Variances**

Log_CFU

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .479 | 4 | 15 | .751 |

Parameter Kapang khamir Hari ke- 14

**Test of Homogeneity of Variances**

AKK

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| 1.993 | 4 | 15 | .147 |

Parameter Kapang khamir Hari ke- 21

**Test of Homogeneity of Variances**

CFU/g

| Levene Statistic | df1 | df2 | Sig. |
|---|---|---|---|
| .346 | 4 | 15 | .843 |

Uji LSD Kadar air Hari ke-7

**Multiple Comparisons**

Kadar_air

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| P0 | P1 | -.50250* | .04089 | .000 | -.5896 | -.4154 |
| | P2 | -1.00750* | .04089 | .000 | -1.0946 | -.9204 |
| | P3 | -1.52500* | .04089 | .000 | -1.6121 | -1.4379 |
| | P4 | -2.04750* | .04089 | .000 | -2.1346 | -1.9604 |
| P1 | P0 | .50250* | .04089 | .000 | .4154 | .5896 |
| | P2 | -.50500* | .04089 | .000 | -.5921 | -.4179 |
| | P3 | -1.02250* | .04089 | .000 | -1.1096 | -.9354 |
| | P4 | -1.54500* | .04089 | .000 | -1.6321 | -1.4579 |
| P2 | P0 | 1.00750* | .04089 | .000 | .9204 | 1.0946 |
| | P1 | .50500* | .04089 | .000 | .4179 | .5921 |
| | P3 | -.51750* | .04089 | .000 | -.6046 | -.4304 |
| | P4 | -1.04000* | .04089 | .000 | -1.1271 | -.9529 |
| P3 | P0 | 1.52500* | .04089 | .000 | 1.4379 | 1.6121 |
| | P1 | 1.02250* | .04089 | .000 | .9354 | 1.1096 |
| | P2 | .51750* | .04089 | .000 | .4304 | .6046 |
| | P4 | -.52250* | .04089 | .000 | -.6096 | -.4354 |
| P4 | P0 | 2.04750* | .04089 | .000 | 1.9604 | 2.1346 |
| | P1 | 1.54500* | .04089 | .000 | 1.4579 | 1.6321 |
| | P2 | 1.04000* | .04089 | .000 | .9529 | 1.1271 |
| | P3 | .52250* | .04089 | .000 | .4354 | .6096 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Kadar air Hari ke-14

**Multiple Comparisons**

Kadar_air

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| P0 | P1 | -.52250* | .04602 | .000 | -.6206 | -.4244 |
| | P2 | -1.00000* | .04602 | .000 | -1.0981 | -.9019 |
| | P3 | -1.50000* | .04602 | .000 | -1.5981 | -1.4019 |
| | P4 | -1.99750* | .04602 | .000 | -2.0956 | -1.8994 |
| P1 | P0 | .52250* | .04602 | .000 | .4244 | .6206 |
| | P2 | -.47750* | .04602 | .000 | -.5756 | -.3794 |
| | P3 | -.97750* | .04602 | .000 | -1.0756 | -.8794 |
| | P4 | -1.47500* | .04602 | .000 | -1.5731 | -1.3769 |
| P2 | P0 | 1.00000* | .04602 | .000 | .9019 | 1.0981 |
| | P1 | .47750* | .04602 | .000 | .3794 | .5756 |
| | P3 | -.50000* | .04602 | .000 | -.5981 | -.4019 |
| | P4 | -.99750* | .04602 | .000 | -1.0956 | -.8994 |
| P3 | P0 | 1.50000* | .04602 | .000 | 1.4019 | 1.5981 |
| | P1 | .97750* | .04602 | .000 | .8794 | 1.0756 |
| | P2 | .50000* | .04602 | .000 | .4019 | .5981 |
| | P4 | -.49750* | .04602 | .000 | -.5956 | -.3994 |
| P4 | P0 | 1.99750* | .04602 | .000 | 1.8994 | 2.0956 |
| | P1 | 1.47500* | .04602 | .000 | 1.3769 | 1.5731 |
| | P2 | .99750* | .04602 | .000 | .8994 | 1.0956 |
| | P3 | .49750* | .04602 | .000 | .3994 | .5956 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Kadar air Hari ke-21

**Multiple Comparisons**

Kadar_air

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| P0 | P1 | -.49250* | .04778 | .000 | -.5943 | -.3907 |
| | P2 | -1.00750* | .04778 | .000 | -1.1093 | -.9057 |
| | P3 | -1.49750* | .04778 | .000 | -1.5993 | -1.3957 |
| | P4 | -2.01250* | .04778 | .000 | -2.1143 | -1.9107 |
| P1 | P0 | .49250* | .04778 | .000 | .3907 | .5943 |
| | P2 | -.51500* | .04778 | .000 | -.6168 | -.4132 |
| | P3 | -1.00500* | .04778 | .000 | -1.1068 | -.9032 |
| | P4 | -1.52000* | .04778 | .000 | -1.6218 | -1.4182 |
| P2 | P0 | 1.00750* | .04778 | .000 | .9057 | 1.1093 |
| | P1 | .51500* | .04778 | .000 | .4132 | .6168 |
| | P3 | -.49000* | .04778 | .000 | -.5918 | -.3882 |
| | P4 | -1.00500* | .04778 | .000 | -1.1068 | -.9032 |
| P3 | P0 | 1.49750* | .04778 | .000 | 1.3957 | 1.5993 |
| | P1 | 1.00500* | .04778 | .000 | .9032 | 1.1068 |
| | P2 | .49000* | .04778 | .000 | .3882 | .5918 |
| | P4 | -.51500* | .04778 | .000 | -.6168 | -.4132 |
| P4 | P0 | 2.01250* | .04778 | .000 | 1.9107 | 2.1143 |
| | P1 | 1.52000* | .04778 | .000 | 1.4182 | 1.6218 |
| | P2 | 1.00500* | .04778 | .000 | .9032 | 1.1068 |
| | P3 | .51500* | .04778 | .000 | .4132 | .6168 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Lempeng Total Hari ke-7

**Multiple Comparisons**

ALT

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| 0 | 3 | 3116.75000* | 70.08798 | .000 | 2967.3610 | 3266.1390 |
| | 6 | 3320.50000* | 70.08798 | .000 | 3171.1110 | 3469.8890 |
| | 9 | 4833.00000* | 70.08798 | .000 | 4683.6110 | 4982.3890 |
| | 12 | 6083.00000* | 70.08798 | .000 | 5933.6110 | 6232.3890 |
| 3 | 0 | -3116.75000* | 70.08798 | .000 | -3266.1390 | -2967.3610 |
| | 6 | 203.75000* | 70.08798 | .011 | 54.3610 | 353.1390 |
| | 9 | 1716.25000* | 70.08798 | .000 | 1566.8610 | 1865.6390 |
| | 12 | 2966.25000* | 70.08798 | .000 | 2816.8610 | 3115.6390 |
| 6 | 0 | -3320.50000* | 70.08798 | .000 | -3469.8890 | -3171.1110 |
| | 3 | -203.75000* | 70.08798 | .011 | -353.1390 | -54.3610 |
| | 9 | 1512.50000* | 70.08798 | .000 | 1363.1110 | 1661.8890 |
| | 12 | 2762.50000* | 70.08798 | .000 | 2613.1110 | 2911.8890 |
| 9 | 0 | -4833.00000* | 70.08798 | .000 | -4982.3890 | -4683.6110 |
| | 3 | -1716.25000* | 70.08798 | .000 | -1865.6390 | -1566.8610 |
| | 6 | -1512.50000* | 70.08798 | .000 | -1661.8890 | -1363.1110 |
| | 12 | 1250.00000* | 70.08798 | .000 | 1100.6110 | 1399.3890 |
| 12 | 0 | -6083.00000* | 70.08798 | .000 | -6232.3890 | -5933.6110 |
| | 3 | -2966.25000* | 70.08798 | .000 | -3115.6390 | -2816.8610 |
| | 6 | -2762.50000* | 70.08798 | .000 | -2911.8890 | -2613.1110 |
| | 9 | -1250.00000* | 70.08798 | .000 | -1399.3890 | -1100.6110 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Lempeng Total Hari ke-14

**Multiple Comparisons**

ALT

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| 0 | 3 | 3687.50000* | 3.42296E2 | .000 | 2957.9130 | 4417.0870 |
| | 6 | 5975.00000* | 3.42296E2 | .000 | 5245.4130 | 6704.5870 |
| | 9 | 8100.00000* | 3.42296E2 | .000 | 7370.4130 | 8829.5870 |
| | 12 | 9625.00000* | 3.42296E2 | .000 | 8895.4130 | 10354.5870 |
| 3 | 0 | -3687.50000* | 3.42296E2 | .000 | -4417.0870 | -2957.9130 |
| | 6 | 2287.50000* | 3.42296E2 | .000 | 1557.9130 | 3017.0870 |
| | 9 | 4412.50000* | 3.42296E2 | .000 | 3682.9130 | 5142.0870 |
| | 12 | 5937.50000* | 3.42296E2 | .000 | 5207.9130 | 6667.0870 |
| 6 | 0 | -5975.00000* | 3.42296E2 | .000 | -6704.5870 | -5245.4130 |
| | 3 | -2287.50000* | 3.42296E2 | .000 | -3017.0870 | -1557.9130 |
| | 9 | 2125.00000* | 3.42296E2 | .000 | 1395.4130 | 2854.5870 |
| | 12 | 3650.00000* | 3.42296E2 | .000 | 2920.4130 | 4379.5870 |
| 9 | 0 | -8100.00000* | 3.42296E2 | .000 | -8829.5870 | -7370.4130 |
| | 3 | -4412.50000* | 3.42296E2 | .000 | -5142.0870 | -3682.9130 |
| | 6 | -2125.00000* | 3.42296E2 | .000 | -2854.5870 | -1395.4130 |
| | 12 | 1525.00000* | 3.42296E2 | .000 | 795.4130 | 2254.5870 |
| 12 | 0 | -9625.00000* | 3.42296E2 | .000 | -10354.5870 | -8895.4130 |
| | 3 | -5937.50000* | 3.42296E2 | .000 | -6667.0870 | -5207.9130 |
| | 6 | -3650.00000* | 3.42296E2 | .000 | -4379.5870 | -2920.4130 |
| | 9 | -1525.00000* | 3.42296E2 | .000 | -2254.5870 | -795.4130 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Lempeng Total Hari ke-21

**Multiple Comparisons**

Log_CFU

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| P0 | P1 | .050750* | .004573 | .000 | .04100 | .06050 |
| | P2 | .106000* | .004573 | .000 | .09625 | .11575 |
| | P3 | .152000* | .004573 | .000 | .14225 | .16175 |
| | P4 | .193250* | .004573 | .000 | .18350 | .20300 |
| P1 | P0 | -.050750* | .004573 | .000 | -.06050 | -.04100 |
| | P2 | .055250* | .004573 | .000 | .04550 | .06500 |
| | P3 | .101250* | .004573 | .000 | .09150 | .11100 |
| | P4 | .142500* | .004573 | .000 | .13275 | .15225 |
| P2 | P0 | -.106000* | .004573 | .000 | -.11575 | -.09625 |
| | P1 | -.055250* | .004573 | .000 | -.06500 | -.04550 |
| | P3 | .046000* | .004573 | .000 | .03625 | .05575 |
| | P4 | .087250* | .004573 | .000 | .07750 | .09700 |
| P3 | P0 | -.152000* | .004573 | .000 | -.16175 | -.14225 |
| | P1 | -.101250* | .004573 | .000 | -.11100 | -.09150 |
| | P2 | -.046000* | .004573 | .000 | -.05575 | -.03625 |
| | P4 | .041250* | .004573 | .000 | .03150 | .05100 |
| P4 | P0 | -.193250* | .004573 | .000 | -.20300 | -.18350 |
| | P1 | -.142500* | .004573 | .000 | -.15225 | -.13275 |
| | P2 | -.087250* | .004573 | .000 | -.09700 | -.07750 |
| | P3 | -.041250* | .004573 | .000 | -.05100 | -.03150 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Kapang khamir Hari ke-14

**Multiple Comparisons**

ALT

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| 0 | 3 | 30000.00000* | 2.27669E3 | .000 | 25147.3427 | 34852.6573 |
| | 6 | 58750.00000* | 2.27669E3 | .000 | 53897.3427 | 63602.6573 |
| | 9 | 79750.00000* | 2.27669E3 | .000 | 74897.3427 | 84602.6573 |
| | 12 | 97750.00000* | 2.27669E3 | .000 | 92897.3427 | 102602.6573 |
| 3 | 0 | -3.00000E4* | 2.27669E3 | .000 | -34852.6573 | -25147.3427 |
| | 6 | 28750.00000* | 2.27669E3 | .000 | 23897.3427 | 33602.6573 |
| | 9 | 49750.00000* | 2.27669E3 | .000 | 44897.3427 | 54602.6573 |
| | 12 | 67750.00000* | 2.27669E3 | .000 | 62897.3427 | 72602.6573 |
| 6 | 0 | -5.87500E4* | 2.27669E3 | .000 | -63602.6573 | -53897.3427 |
| | 3 | -2.87500E4* | 2.27669E3 | .000 | -33602.6573 | -23897.3427 |
| | 9 | 21000.00000* | 2.27669E3 | .000 | 16147.3427 | 25852.6573 |
| | 12 | 39000.00000* | 2.27669E3 | .000 | 34147.3427 | 43852.6573 |
| 9 | 0 | -7.97500E4* | 2.27669E3 | .000 | -84602.6573 | -74897.3427 |
| | 3 | -4.97500E4* | 2.27669E3 | .000 | -54602.6573 | -44897.3427 |
| | 6 | -2.10000E4* | 2.27669E3 | .000 | -25852.6573 | -16147.3427 |
| | 12 | 18000.00000* | 2.27669E3 | .000 | 13147.3427 | 22852.6573 |
| 12 | 0 | -9.77500E4* | 2.27669E3 | .000 | -1.0260E5 | -92897.3427 |
| | 3 | -6.77500E4* | 2.27669E3 | .000 | -72602.6573 | -62897.3427 |
| | 6 | -3.90000E4* | 2.27669E3 | .000 | -43852.6573 | -34147.3427 |
| | 9 | -1.80000E4* | 2.27669E3 | .000 | -22852.6573 | -13147.3427 |

*. The mean difference is significant at the 0.05 level.

Uji LSD Kapang khamir Hari ke-21

**Multiple Comparisons**

AKK

LSD

| (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---|---|---|---|---|---|---|
| | | | | | Lower Bound | Upper Bound |
| 0 | 3 | 2025.00000* | 1.72964E2 | .000 | 1656.3352 | 2393.6648 |
| | 6 | 3825.00000* | 1.72964E2 | .000 | 3456.3352 | 4193.6648 |
| | 9 | 5175.00000* | 1.72964E2 | .000 | 4806.3352 | 5543.6648 |
| | 12 | 6525.00000* | 1.72964E2 | .000 | 6156.3352 | 6893.6648 |
| 3 | 0 | -2025.00000* | 1.72964E2 | .000 | -2393.6648 | -1656.3352 |
| | 6 | 1800.00000* | 1.72964E2 | .000 | 1431.3352 | 2168.6648 |
| | 9 | 3150.00000* | 1.72964E2 | .000 | 2781.3352 | 3518.6648 |
| | 12 | 4500.00000* | 1.72964E2 | .000 | 4131.3352 | 4868.6648 |
| 6 | 0 | -3825.00000* | 1.72964E2 | .000 | -4193.6648 | -3456.3352 |
| | 3 | -1800.00000* | 1.72964E2 | .000 | -2168.6648 | -1431.3352 |
| | 9 | 1350.00000* | 1.72964E2 | .000 | 981.3352 | 1718.6648 |
| | 12 | 2700.00000* | 1.72964E2 | .000 | 2331.3352 | 3068.6648 |
| 9 | 0 | -5175.00000* | 1.72964E2 | .000 | -5543.6648 | -4806.3352 |
| | 3 | -3150.00000* | 1.72964E2 | .000 | -3518.6648 | -2781.3352 |
| | 6 | -1350.00000* | 1.72964E2 | .000 | -1718.6648 | -981.3352 |
| | 12 | 1350.00000* | 1.72964E2 | .000 | 981.3352 | 1718.6648 |
| 12 | 0 | -6525.00000* | 1.72964E2 | .000 | -6893.6648 | -6156.3352 |
| | 3 | -4500.00000* | 1.72964E2 | .000 | -4868.6648 | -4131.3352 |
| | 6 | -2700.00000* | 1.72964E2 | .000 | -3068.6648 | -2331.3352 |
| | 9 | -1350.00000* | 1.72964E2 | .000 | -1718.6648 | -981.3352 |

*. The mean difference is significant at the 0.05 level.

# LAMPIRAN

## Tahap pembuatan ekstrak jahe merah dan buah naga



Pemotongan jahe merah *(Z. officinale)*



Penyaringan jahe merah *(Z. officinale)*



Pemotongan buah naga *(H. polyrhizus)*



Penggilingan buah naga *(H. polyrhizus)*

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**Tahap pembuatan permen jelly**



Pencampuran dan pemasakan permen *jelly*



Diamkan pada Suhu Ruang 27-32°C



Pemotongan permen *jelly*

**Dokumentasi permen jelly**



Perlakuan P0(0%)



Perlakuan P1(3%)



Perlakuan P2(6%)



Perlakuan P3(9%)



Perlakuan P4(12%)

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**Tahap Uji Daya Tahan Berdasarkan Kadar Air**



Penimbangan berat wadah kosong



Cawan didinginkan dalam desikator



Setelah cawan dikeluarkan dari oven dan didinginkan desikator kemudian timbang berat cawan.

**Tahap persiapan uji cemaran mikroorganisme**



Preparasi dan sterilisasi



Persiapan alat dan bahan



Pengujian lempeng total bakteri dan kapang khamir



Penghancuran permen *jelly*



Perhitungan jumlah koloni bakteri.

**Dokumentasi Uji Kapang Khamir**



P0 $10^1$



P0 $10^2$



P0 $10^3$



P1 $10^1$



P1 $10^2$



P110$^3$



P2 $10^1$



P2 $10^2$



P2 $10^3$



P3 $10^1$



P3$10^2$



P3 $10^3$



P4 $10^1$



P4$10^2$

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P4 $10^3$

**Dokumentasi Uji Lempeng Total Bakteri**



P0 $10^1$



P0 $10^2$



P0 $10^3$



P1 $10^1$



P1 $10^2$



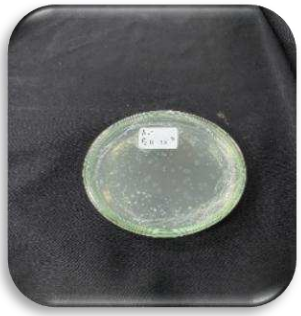
P1 $10^3$



P2 $10^1$



P2 $10^2$



P2 $10^3$



P3 $10^1$



P3 $10^2$



P3 $10^3$



P4 $10^1$



P4 $10^2$



P4 $10^3$

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