

## LAMPIRAN

Lampiran 1. Jumlah nyamuk *Aedes aegypti* yang hinggap pada masing-masing perlakuan dan pengamatan

## Pengulangan 1

| Waktu | Kontrol - | Kontrol + | 40% | 45% | 50% |
|-------|-----------|-----------|-----|-----|-----|
| 0     | 3         | 0         | 0   | 0   | 0   |
| 1     | 4         | 0         | 0   | 0   | 0   |
| 2     | 3         | 0         | 1   | 0   | 0   |
| 4     | 7         | 0         | 2   | 1   | 0   |
| 6     | 5         | 0         | 2   | 2   | 1   |

## Pengulangan 2

| Waktu | Kontrol - | Kontrol + | 40% | 45% | 50% |
|-------|-----------|-----------|-----|-----|-----|
| 0     | 2         | 0         | 0   | 0   | 0   |
| 1     | 4         | 0         | 0   | 0   | 0   |
| 2     | 5         | 0         | 0   | 0   | 0   |
| 4     | 6         | 0         | 2   | 1   | 0   |

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|   |   |   |   |   |   |
|---|---|---|---|---|---|
| 6 | 5 | 0 | 3 | 0 | 1 |
|---|---|---|---|---|---|

### Pengulangan 3

| Waktu | Kontrol - | Kontrol + | 40% | 45% | 50% |
|-------|-----------|-----------|-----|-----|-----|
| 0     | 5         | 0         | 0   | 0   | 0   |
| 1     | 8         | 0         | 0   | 0   | 0   |
| 2     | 4         | 0         | 1   | 0   | 0   |
| 4     | 6         | 0         | 3   | 1   | 1   |
| 6     | 6         | 0         | 2   | 2   | 1   |

### Pengulangan 4

| Waktu | Kontrol - | Kontrol + | 40% | 45% | 50% |
|-------|-----------|-----------|-----|-----|-----|
| 0     | 4         | 0         | 0   | 0   | 0   |
| 1     | 3         | 0         | 0   | 0   | 0   |
| 2     | 3         | 0         | 0   | 0   | 0   |
| 4     | 7         | 0         | 2   | 1   | 0   |
| 6     | 6         | 0         | 3   | 1   | 1   |

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## Lampiran 2. Hasil Uji Normalitas dan Homogenitas data

## a) Hasil uji homogenitas

| Test of Homogeneity of Variances |                  |     |     |      |
|----------------------------------|------------------|-----|-----|------|
|                                  | Levene Statistic | df1 | df2 | Sig. |
| Jam ke-0                         | 12.000           | 3   | 12  | .001 |
| Jam ke-1                         | 7.567            | 3   | 12  | .004 |
| Jam ke-2                         | 9.000            | 3   | 12  | .002 |
| Jam ke-4                         | .333             | 3   | 12  | .802 |
| Jam ke-6                         | 14.333           | 3   | 12  | .000 |

## b) Hasil uji normalitas

| One-Sample Kolmogorov-Smirnov Test |                |          |          |          |          |          |
|------------------------------------|----------------|----------|----------|----------|----------|----------|
|                                    |                | Jam ke-0 | Jam ke-1 | Jam ke-2 | Jam ke-4 | Jam ke-6 |
| N                                  |                | 16       | 16       | 16       | 16       | 16       |
| Normal Parameters <sup>a,b</sup>   | Mean           | .8750    | 1.1875   | 1.2500   | 2.5625   | 2.6875   |
|                                    | Std. Deviation | 1.66833  | 2.34432  | 1.61245  | 2.50250  | 1.81544  |
| Most Extreme Differences           | Absolute       | .450     | .444     | .312     | .276     | .273     |
|                                    | Positive       | .450     | .444     | .312     | .276     | .273     |
|                                    | Negative       | -.300    | -.306    | -.219    | -.165    | -.176    |
| Kolmogorov-Smirnov Z               |                | 1.800    | 1.775    | 1.246    | 1.106    | 1.090    |
| Asymp. Sig. (2-tailed)             |                | .003     | .004     | .089     | .173     | .186     |
| a. Test distribution is Normal.    |                |          |          |          |          |          |
| b. Calculated from data.           |                |          |          |          |          |          |

## Lampiran 3. Hasil Uji OneWay ANOVA pada jam ke-4

## ANOVA

## Descriptives

| Jam ke-4  |    |        |                |            |                                  |             |         |         |
|-----------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
|           | N  | Mean   | Std. Deviation | Std. Error | 95% Confidence Interval for Mean |             | Minimum | Maximum |
|           |    |        |                |            | Lower Bound                      | Upper Bound |         |         |
| Kontrol - | 4  | 6.5000 | .57735         | .28868     | 5.5813                           | 7.4187      | 6.00    | 7.00    |
| 40%       | 4  | 2.2500 | .50000         | .25000     | 1.4544                           | 3.0456      | 2.00    | 3.00    |
| 45%       | 4  | 1.2500 | .50000         | .25000     | .4544                            | 2.0456      | 1.00    | 2.00    |
| 50%       | 4  | .2500  | .50000         | .25000     | -.5456                           | 1.0456      | .00     | 1.00    |
| Total     | 16 | 2.5625 | 2.50250        | .62562     | 1.2290                           | 3.8960      | .00     | 7.00    |

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## ANOVA

Jam ke-4

|                | Sum of Squares | df | Mean Square | F       | Sig. |
|----------------|----------------|----|-------------|---------|------|
| Between Groups | 90.688         | 3  | 30.229      | 111.615 | .000 |
| Within Groups  | 3.250          | 12 | .271        |         |      |
| Total          | 93.938         | 15 |             |         |      |

## Lampiran 4. Hasil uji Post Hoc Tukey

## Multiple Comparisons

Dependent Variable: Jam ke-4

Tukey HSD

| (I) Kelompok | (J) Kelompok | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval |             |
|--------------|--------------|-----------------------|------------|------|-------------------------|-------------|
|              |              |                       |            |      | Lower Bound             | Upper Bound |
| Kontrol -    | 40%          | 4.2500*               | .36799     | .000 | 3.1575                  | 5.3425      |
|              | 45%          | 5.2500*               | .36799     | .000 | 4.1575                  | 6.3425      |
|              | 50%          | 6.2500*               | .36799     | .000 | 5.1575                  | 7.3425      |
| 40%          | Kontrol -    | -4.2500*              | .36799     | .000 | -5.3425                 | -3.1575     |
|              | 45%          | 1.00000               | .36799     | .077 | -.0925                  | 2.0925      |
|              | 50%          | 2.00000*              | .36799     | .001 | .9075                   | 3.0925      |
| 45%          | Kontrol -    | -5.2500*              | .36799     | .000 | -6.3425                 | -4.1575     |
|              | 40%          | -1.00000              | .36799     | .077 | -2.0925                 | .0925       |
|              | 50%          | 1.00000               | .36799     | .077 | -.0925                  | 2.0925      |
| 50%          | Kontrol -    | -6.2500*              | .36799     | .000 | -7.3425                 | -5.1575     |
|              | 40%          | -2.00000*             | .36799     | .001 | -3.0925                 | -.9075      |
|              | 45%          | -1.00000              | .36799     | .077 | -2.0925                 | .0925       |

\*. The mean difference is significant at the .05 level.

## Homogeneous Subsets

Jam ke-4

Tukey HSD<sup>a</sup>

| Kelompok  | N | Subset for alpha = .05 |        |        |
|-----------|---|------------------------|--------|--------|
|           |   | 1                      | 2      | 3      |
| 50%       | 4 | .2500                  |        |        |
| 45%       | 4 | 1.2500                 | 1.2500 |        |
| 40%       | 4 |                        | 2.2500 |        |
| Kontrol - | 4 |                        |        | 6.5000 |
| Sig.      |   | .077                   | .077   | 1.000  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.



## Lampiran 5. Hasil Uji Kruskal-Wallis

## NPar Tests

## Kruskal-Wallis Test

| Ranks    |           |    |           |
|----------|-----------|----|-----------|
|          | Kelompok  | N  | Mean Rank |
| Jam ke-0 | Kontrol - | 4  | 14.50     |
|          | 40%       | 4  | 6.50      |
|          | 45%       | 4  | 6.50      |
|          | 50%       | 4  | 6.50      |
|          | Total     | 16 |           |
| Jam ke-1 | Kontrol - | 4  | 14.50     |
|          | 40%       | 4  | 6.50      |
|          | 45%       | 4  | 6.50      |
|          | 50%       | 4  | 6.50      |
|          | Total     | 16 |           |
| Jam ke-2 | Kontrol - | 4  | 14.50     |
|          | 40%       | 4  | 10.00     |
|          | 45%       | 4  | 5.50      |
|          | 50%       | 4  | 4.00      |
|          | Total     | 16 |           |
| Jam ke-6 | Kontrol - | 4  | 14.50     |
|          | 40%       | 4  | 9.75      |
|          | 45%       | 4  | 6.75      |
|          | 50%       | 4  | 3.00      |
|          | Total     | 16 |           |

## Lampiran 6. Hasil Uji Mann-Whitney

## NPar Tests

## Mann-Whitney Test

**Ranks**

|          | Kelompok  | N | Mean Rank | Sum of Ranks |
|----------|-----------|---|-----------|--------------|
| Jam ke-0 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 40%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-1 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 40%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-2 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 40%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-6 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 40%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |

**Test Statistics<sup>b</sup>**

|                                | Jam ke-0          | Jam ke-1          | Jam ke-2          | Jam ke-6          |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|
| Mann-Whitney U                 | .000              | .000              | .000              | .000              |
| Wilcoxon W                     | 10.000            | 10.000            | 10.000            | 10.000            |
| Z                              | -2.460            | -2.477            | -2.477            | -2.366            |
| Asymp. Sig. (2-tailed)         | .014              | .013              | .013              | .018              |
| Exact Sig. [2*(1-tailed Sig.)] | .029 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> |

a. Not corrected for ties.

b. Grouping Variable: Kelompok

**NPar Tests****Mann-Whitney Test****Ranks**

|          | Kelompok  | N | Mean Rank | Sum of Ranks |
|----------|-----------|---|-----------|--------------|
| Jam ke-0 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 45%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-1 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 45%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-2 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 45%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-6 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 45%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |

### Test Statistics<sup>b</sup>

|                                | Jam ke-0          | Jam ke-1          | Jam ke-2          | Jam ke-6          |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|
| Mann-Whitney U                 | .000              | .000              | .000              | .000              |
| Wilcoxon W                     | 10.000            | 10.000            | 10.000            | 10.000            |
| Z                              | -2.460            | -2.477            | -2.381            | -2.397            |
| Asymp. Sig. (2-tailed)         | .014              | .013              | .017              | .017              |
| Exact Sig. [2*(1-tailed Sig.)] | .029 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> |

a. Not corrected for ties.

b. Grouping Variable: Kelompok

### NPar Tests

#### Mann-Whitney Test

#### Ranks

|          | Kelompok  | N | Mean Rank | Sum of Ranks |
|----------|-----------|---|-----------|--------------|
| Jam ke-0 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 50%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-1 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 50%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-2 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 50%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |
| Jam ke-6 | Kontrol - | 4 | 6.50      | 26.00        |
|          | 50%       | 4 | 2.50      | 10.00        |
|          | Total     | 8 |           |              |

### Test Statistics<sup>b</sup>

|                                | Jam ke-0          | Jam ke-1          | Jam ke-2          | Jam ke-6          |
|--------------------------------|-------------------|-------------------|-------------------|-------------------|
| Mann-Whitney U                 | .000              | .000              | .000              | .000              |
| Wilcoxon W                     | 10.000            | 10.000            | 10.000            | 10.000            |
| Z                              | -2.460            | -2.477            | -2.477            | -2.494            |
| Asymp. Sig. (2-tailed)         | .014              | .013              | .013              | .013              |
| Exact Sig. [2*(1-tailed Sig.)] | .029 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> |

a. Not corrected for ties.

b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test

Ranks

|          | Kelompok | N | Mean Rank | Sum of Ranks |
|----------|----------|---|-----------|--------------|
| Jam ke-0 | 40%      | 4 | 4.50      | 18.00        |
|          | 45%      | 4 | 4.50      | 18.00        |
|          | Total    | 8 |           |              |
| Jam ke-1 | 40%      | 4 | 4.50      | 18.00        |
|          | 45%      | 4 | 4.50      | 18.00        |
|          | Total    | 8 |           |              |
| Jam ke-2 | 40%      | 4 | 6.00      | 24.00        |
|          | 45%      | 4 | 3.00      | 12.00        |
|          | Total    | 8 |           |              |
| Jam ke-6 | 40%      | 4 | 5.75      | 23.00        |
|          | 45%      | 4 | 3.25      | 13.00        |
|          | Total    | 8 |           |              |

Test Statistics<sup>b</sup>

|                                | Jam ke-0           | Jam ke-1           | Jam ke-2          | Jam ke-6          |
|--------------------------------|--------------------|--------------------|-------------------|-------------------|
| Mann-Whitney U                 | 8.000              | 8.000              | 2.000             | 3.000             |
| Wilcoxon W                     | 18.000             | 18.000             | 12.000            | 13.000            |
| Z                              | .000               | .000               | -2.049            | -1.667            |
| Asymp. Sig. (2-tailed)         | 1.000              | 1.000              | .040              | .096              |
| Exact Sig. [2*(1-tailed Sig.)] | 1.000 <sup>a</sup> | 1.000 <sup>a</sup> | .114 <sup>a</sup> | .200 <sup>a</sup> |

a. Not corrected for ties.

b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test



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**Ranks**

|          | Kelompok | N | Mean Rank | Sum of Ranks |
|----------|----------|---|-----------|--------------|
| Jam ke-0 | 40%      | 4 | 4.50      | 18.00        |
|          | 50%      | 4 | 4.50      | 18.00        |
|          | Total    | 8 |           |              |
| Jam ke-1 | 40%      | 4 | 4.50      | 18.00        |
|          | 50%      | 4 | 4.50      | 18.00        |
|          | Total    | 8 |           |              |
| Jam ke-2 | 40%      | 4 | 6.50      | 26.00        |
|          | 50%      | 4 | 2.50      | 10.00        |
|          | Total    | 8 |           |              |
| Jam ke-6 | 40%      | 4 | 6.50      | 26.00        |
|          | 50%      | 4 | 2.50      | 10.00        |
|          | Total    | 8 |           |              |

**Test Statistics<sup>b</sup>**

|                                | Jam ke-0           | Jam ke-1           | Jam ke-2          | Jam ke-6          |
|--------------------------------|--------------------|--------------------|-------------------|-------------------|
| Mann-Whitney U                 | 8.000              | 8.000              | .000              | .000              |
| Wilcoxon W                     | 18.000             | 18.000             | 10.000            | 10.000            |
| Z                              | .000               | .000               | -2.646            | -2.494            |
| Asymp. Sig. (2-tailed)         | 1.000              | 1.000              | .008              | .013              |
| Exact Sig. [2*(1-tailed Sig.)] | 1.000 <sup>a</sup> | 1.000 <sup>a</sup> | .029 <sup>a</sup> | .029 <sup>a</sup> |

a. Not corrected for ties.

b. Grouping Variable: Kelompok

## NPar Tests

### Mann-Whitney Test

**Ranks**

|          | Kelompok | N | Mean Rank | Sum of Ranks |
|----------|----------|---|-----------|--------------|
| Jam ke-0 | 45%      | 4 | 4.50      | 18.00        |
|          | 50%      | 4 | 4.50      | 18.00        |
|          | Total    | 8 |           |              |
| Jam ke-1 | 45%      | 4 | 4.50      | 18.00        |
|          | 50%      | 4 | 4.50      | 18.00        |
|          | Total    | 8 |           |              |
| Jam ke-2 | 45%      | 4 | 5.00      | 20.00        |
|          | 50%      | 4 | 4.00      | 16.00        |
|          | Total    | 8 |           |              |
| Jam ke-6 | 45%      | 4 | 6.00      | 24.00        |
|          | 50%      | 4 | 3.00      | 12.00        |
|          | Total    | 8 |           |              |

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### Test Statistics<sup>b</sup>

|                                | Jam ke-0           | Jam ke-1           | Jam ke-2          | Jam ke-6          |
|--------------------------------|--------------------|--------------------|-------------------|-------------------|
| Mann-Whitney U                 | 8.000              | 8.000              | 6.000             | 2.000             |
| Wilcoxon W                     | 18.000             | 18.000             | 16.000            | 12.000            |
| Z                              | .000               | .000               | -1.000            | -2.049            |
| Asymp. Sig. (2-tailed)         | 1.000              | 1.000              | .317              | .040              |
| Exact Sig. [2*(1-tailed Sig.)] | 1.000 <sup>a</sup> | 1.000 <sup>a</sup> | .686 <sup>a</sup> | .114 <sup>a</sup> |

a. Not corrected for ties.

b. Grouping Variable: Kelompok

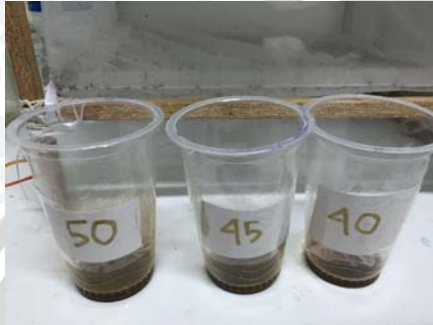
### Lampiran 7. Hasil Korelasi Spearman

#### Correlations

|                |                    |                         | Jumlah Nyamuk Mati | Waktu | Konsentrasi |
|----------------|--------------------|-------------------------|--------------------|-------|-------------|
| Spearman's rho | Jumlah Nyamuk Mati | Correlation Coefficient | 1.000              | .688* | -.688*      |
|                |                    | Sig. (2-tailed)         | .                  | .040  | .040        |
|                |                    | N                       | 9                  | 9     | 9           |
|                | Waktu              | Correlation Coefficient | .688*              | 1.000 | .000        |
|                |                    | Sig. (2-tailed)         | .040               | .     | 1.000       |
|                |                    | N                       | 9                  | 9     | 9           |
|                | Konsentrasi        | Correlation Coefficient | -.688*             | .000  | 1.000       |
|                |                    | Sig. (2-tailed)         | .040               | 1.000 | .           |
|                |                    | N                       | 9                  | 9     | 9           |

\*. Correlation is significant at the 0.05 level (2-tailed).

## Lampiran 8. Foto - foto penelitian



8.1 Pembuatan larutan jus daun sirih



8.2 Proses penelitian



8.3 Bahan - bahan penelitian



8.4 Alat - alat penelitian





8.5 Pembuatan jus daun sirih



8.6 Nyamuk *Aedes aegypti* hinggap



8.7 Daun sirih



8.8 Kandang nyamuk 40%





8.9 Kandang nyamuk 50%



8.10 Kandang nyamuk 45%



8.11 Kandang nyamuk kontrol negatif



8.12 Kapas berisi larutan jus daun sirih