

## LAMPIRAN

### Lampiran 1. Uji Statistik Kelangsungan Hidup

#### Tests of Normality

|       | Tingkat Kelangsungan Hidup | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |       |
|-------|----------------------------|---------------------------------|----|------|--------------|----|-------|
|       |                            | Statistic                       | df | Sig. | Statistic    | df | Sig.  |
| Hasil | Perlakuan 1                | ,175                            | 3  | .    | 1,000        | 3  | 1,000 |
|       | Perlakuan 2                | ,175                            | 3  | .    | 1,000        | 3  | 1,000 |
|       | Perlakuan 3                | ,175                            | 3  | .    | 1,000        | 3  | 1,000 |

a. Lilliefors Significance Correction

#### Descriptives

| Hasil       |   |         |                |            |                                  |             |         |         |
|-------------|---|---------|----------------|------------|----------------------------------|-------------|---------|---------|
|             | N | Mean    | Std. Deviation | Std. Error | 95% Confidence Interval for Mean |             | Minimum | Maximum |
|             |   |         |                |            | Lower Bound                      | Upper Bound |         |         |
| Perlakuan 1 | 3 | 95,6500 | 4,35000        | 2,51147    | 84,8440                          | 106,4560    | 91,30   | 100,00  |
| Perlakuan 2 | 3 | 96,0000 | 4,00000        | 2,30940    | 86,0634                          | 105,9366    | 92,00   | 100,00  |
| Perlakuan 3 | 3 | 92,5900 | 3,70000        | 2,13620    | 83,3987                          | 101,7813    | 88,89   | 96,29   |
| Total       | 9 | 94,7467 | 3,84609        | 1,28203    | 91,7903                          | 97,7030     | 88,89   | 100,00  |

#### Test of Homogeneity of Variances

|       |                                      | Levene Statistic | df1 | df2   | Sig. |
|-------|--------------------------------------|------------------|-----|-------|------|
| Hasil | Based on Mean                        | ,026             | 2   | 6     | ,974 |
|       | Based on Median                      | ,026             | 2   | 6     | ,974 |
|       | Based on Median and with adjusted df | ,026             | 2   | 5,897 | ,974 |
|       | Based on trimmed mean                | ,026             | 2   | 6     | ,974 |

#### ANOVA

| Hasil          |                |    |             |      |      |
|----------------|----------------|----|-------------|------|------|
|                | Sum of Squares | df | Mean Square | F    | Sig. |
| Between Groups | 21,114         | 2  | 10,557      | ,652 | ,555 |
| Within Groups  | 97,225         | 6  | 16,204      |      |      |
| Total          | 118,339        | 8  |             |      |      |

## Lampiran 2. Uji Statistik Bukaan Operculum

### Tests of Normality

|       | Bukaan<br>Operculum | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |       |
|-------|---------------------|---------------------------------|----|------|--------------|----|-------|
|       |                     | Statistic                       | df | Sig. | Statistic    | df | Sig.  |
| Hasil | Perlakuan 1         | ,175                            | 3  | .    | 1,000        | 3  | 1,000 |
|       | Perlakuan 2         | ,175                            | 3  | .    | 1,000        | 3  | 1,000 |
|       | Perlakuan 3         | ,175                            | 3  | .    | 1,000        | 3  | 1,000 |

a. Lilliefors Significance Correction

### Descriptives

#### Hasil

|             | N | Mean   | Std. Deviation | Std. Error | 95% Confidence Interval for Mean |             | Minimum | Maximum |
|-------------|---|--------|----------------|------------|----------------------------------|-------------|---------|---------|
|             |   |        |                |            | Lower Bound                      | Upper Bound |         |         |
| Perlakuan 1 | 3 | 75,00  | 1,000          | ,577       | 72,52                            | 77,48       | 74      | 76      |
| Perlakuan 2 | 3 | 88,00  | 2,000          | 1,155      | 83,03                            | 92,97       | 86      | 90      |
| Perlakuan 3 | 3 | 120,00 | 2,000          | 1,155      | 115,03                           | 124,97      | 118     | 122     |
| Total       | 9 | 94,33  | 20,112         | 6,704      | 78,87                            | 109,79      | 74      | 122     |

### Test of Homogeneity of Variances

| Hasil |                                      | Levene Statistic | df1 | df2   | Sig. |
|-------|--------------------------------------|------------------|-----|-------|------|
|       |                                      |                  |     |       |      |
| Hasil | Based on Mean                        | ,444             | 2   | 6     | ,661 |
|       | Based on Median                      | ,444             | 2   | 6     | ,661 |
|       | Based on Median and with adjusted df | ,444             | 2   | 4,909 | ,665 |
|       | Based on trimmed mean                | ,444             | 2   | 6     | ,661 |

### ANOVA

|                | Sum of Squares | df | Mean Square | F       | Sig. |
|----------------|----------------|----|-------------|---------|------|
|                |                |    |             |         |      |
| Between Groups | 3.218,000      | 2  | 1.609,000   | 536,333 | ,000 |
| Within Groups  | 18,000         | 6  | 3,000       |         |      |
| Total          | 3.236,000      | 8  |             |         |      |

### Multiple Comparisons

Dependent Variable: Hasil

|     | (I) Buka-an<br>Operculum | (J) Buka-an<br>Operculum | Mean<br>Difference<br>(I-J) | Std.<br>Error | Sig. | 95% Confidence<br>Interval |                |
|-----|--------------------------|--------------------------|-----------------------------|---------------|------|----------------------------|----------------|
|     |                          |                          |                             |               |      | Lower<br>Bound             | Upper<br>Bound |
| LSD | Perlakuan 1              | Perlakuan 2              | -13,000*                    | 1,414         | ,000 | -16,46                     | -9,54          |
|     |                          | Perlakuan 3              | -45,000*                    | 1,414         | ,000 | -48,46                     | -41,54         |
|     | Perlakuan 2              | Perlakuan 1              | 13,000*                     | 1,414         | ,000 | 9,54                       | 16,46          |
|     |                          | Perlakuan 3              | -32,000*                    | 1,414         | ,000 | -35,46                     | -28,54         |
|     | Perlakuan 3              | Perlakuan 1              | 45,000*                     | 1,414         | ,000 | 41,54                      | 48,46          |
|     |                          | Perlakuan 2              | 32,000*                     | 1,414         | ,000 | 28,54                      | 35,46          |

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



|                     |                  | Hasil |                         |       |        |
|---------------------|------------------|-------|-------------------------|-------|--------|
|                     | Bukaan Operculum | N     | Subset for alpha = 0.05 |       |        |
|                     |                  |       | 1                       | 2     | 3      |
| Duncan <sup>a</sup> | Perlakuan 1      | 3     | 75,00                   |       |        |
|                     | Perlakuan 2      | 3     |                         | 88,00 |        |
|                     | Perlakuan 3      | 3     |                         |       | 120,00 |
|                     | Sig.             |       | 1,000                   | 1,000 | 1,000  |

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3,000.

### Lampiran 3. Data Kelangsungan Hidup per Ulangan Selama Penelitian

(Hasil Akhir 72 jam)

| Perlakuan  | Ulangan | Ikan<br>Awal<br>(Ekor) | Ikan<br>Hidup<br>(Ekor) | Ikan<br>Mati<br>(Ekor) | SR (%) | Rata-<br>rata SR<br>(%) |
|------------|---------|------------------------|-------------------------|------------------------|--------|-------------------------|
| P1 (15 kg) | 1       | 23                     | 22                      | 1                      | 95,65  | 95,65                   |
|            | 2       | 23                     | 23                      | 0                      | 100,00 |                         |
|            | 3       | 23                     | 21                      | 2                      | 91,30  |                         |

|            |   |    |    |   |        |       |
|------------|---|----|----|---|--------|-------|
| P2 (16 kg) | 1 | 25 | 23 | 2 | 92,00  | 96    |
|            | 2 | 25 | 24 | 1 | 96,00  |       |
|            | 3 | 25 | 25 | 0 | 100,00 |       |
| P3 (17 kg) | 1 | 27 | 24 | 3 | 88,89  | 92,59 |
|            | 2 | 27 | 26 | 1 | 96,30  |       |
|            | 3 | 27 | 25 | 2 | 92,59  |       |

#### Lampiran 4. Dokumentasi Penelitian







