Lampiran 1. Uji Anova Kelangsungan Hidup

| **ANOVA** | | | | | |
| --- | --- | --- | --- | --- | --- |
| SR |  |  |  |  |  |
|  | Sum of Squares | Df | Mean Square | F | Sig. |
| Between Groups | 50.441 | 2 | 25.220 | 55.500 | .000 |
| Within Groups | 4.090 | 9 | .454 |  |  |
| Total | 54.531 | 11 |  |  |  |

| **Descriptives** | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SR |  |  |  |  |  |  |  |  |
|  | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|  | Lower Bound | Upper Bound |
| Dosis 17.5% | 4 | 94.9950 | .82561 | .41281 | 93.6813 | 96.3087 | 94.28 | 95.71 |
| Dosis 20% | 4 | 1.0000E2 | .00000 | .00000 | 100.0000 | 100.0000 | 100.00 | 100.00 |
| Dosis 22.5% | 4 | 97.8550 | .82561 | .41281 | 96.5413 | 99.1687 | 97.14 | 98.57 |
| Total | 12 | 97.6167 | 2.22651 | .64274 | 96.2020 | 99.0313 | 94.28 | 100.00 |

lampiran 2. Duncant Multiple Range Test (DMNRT)

| **SR** | | | | | |
| --- | --- | --- | --- | --- | --- |
|  | Perlakuan | N | Subset for alpha = 0.05 | | |
|  | 1 | 2 | 3 |
| Duncana | Dosis 17.5% | 4 | 94.9950 |  |  |
| Dosis 22.5% | 4 |  | 97.8550 |  |
| Dosis 20% | 4 |  |  | 1.0000E2 |
| Sig. |  | 1.000 | 1.000 | 1.000 |
| Means for groups in homogeneous subsets are displayed. | | | | | |
| a. Uses Harmonic Mean Sample Size = 4.000. | | | | |  |

| **Multiple Comparisons** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Dependent Variable:SR | | |  |  |  |  |  |
|  | (I) Perlakuan | (J) Perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|  | Lower Bound | Upper Bound |
| LSD | Dosis 17.5% | Dosis 20% | -5.00500\* | .47667 | .000 | -6.0833 | -3.9267 |
| Dosis 22.5% | -2.86000\* | .47667 | .000 | -3.9383 | -1.7817 |
| Dosis 20% | Dosis 17.5% | 5.00500\* | .47667 | .000 | 3.9267 | 6.0833 |
| Dosis 22.5% | 2.14500\* | .47667 | .001 | 1.0667 | 3.2233 |
| Dosis 22.5% | Dosis 17.5% | 2.86000\* | .47667 | .000 | 1.7817 | 3.9383 |
| Dosis 20% | -2.14500\* | .47667 | .001 | -3.2233 | -1.0667 |
| \*. The mean difference is significant at the 0.05 level. | | | | |  |  |  |

Lampiran 3. Perubahan perilaku ikan Saat Pemingsanan

|  |  |  |
| --- | --- | --- |
| Perlakuan | Waktu (menit) | Tingkah laku |
| A | 0-5 | Normal |
| 5-10 | Panik |
| 10-15 | Pingsan Ringan |
| 15-20 | Pingsan Berat |
| B | 0-5 | Panik |
| 5-10 | Pingsan |
| 10-15 | Pingsan Berat |
| 15-20 | Roboh Semua |
| C | 0-5 | Pingsan |
| 5-10 | Pingsan Berat |
| 10-15 | Rebah Semua |
| 15-20 | Rebah Semua |

Opsi pengisian:

* Normal
* Panik
* Pingsan ringan
* Pingsan
* Pingsan berat
* Rebah
* Rebah semua

Lampiran 4. Perubahan perilaku ikan saat pemulihan (penyadaran)

|  |  |  |
| --- | --- | --- |
| Perlakuan | Waktu (menit) | Tingkah laku |
| A | 0-5 | Panik |
| 5-10 | normal |
| 10-15 |  |
| 15-20 |  |
| B | 0-5 | Pingsan ringan |
| 5-10 | normal |
| 10-15 |  |
| 15-20 |  |
| C | 0-5 | Pingsan berat |
| 5-10 | pingsan |
| 10-15 | normal |
| 15-20 |  |

Opsi pengisian:

* Normal
* Panik
* Pingsan ringan
* Pingsan
* Pingsan berat
* Rebah
* Rebah semua

Lampiran 5. Jumlah ikan yang mati (ekor) selama transportasi

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Perlakuan | Ulangan | Mortalitas (ekor) | | | | | |
| Jam ke- 1 | Jam ke- 2 | Jam ke- 3 | Jam ke- 4 | Jam ke- 5 | Jam ke- 6 |
| A | 1 | - | - | - | - | 2 | 3 |
| 2 | - | - | - | - | 1 | 2 |
| 3 | - | - | - | - | 1 | 1 |
| 4 | - | - | - | - | 2 | 2 |
| B | 1 | - | - | - | - | - | - |
| 2 | - | - | - | - | - | - |
| 3 | - | - | - | - | - | - |
| 4 | - | - | - | - | - | - |
| C | 1 | - | 1 | 1 | - | - | - |
| 2 | - | - | 1 | - | - | - |
| 3 | 1 | - | - | - | - | - |
| 4 | 1 | - | - | - | - | 1 |

PERLAKUAN :

A1 = Ukuran 5cm (3 Ekor), 6 Cm (2 Ekor)

A2 = Ukuran 8cm (2 Ekor), 6cm (1 Ekor)

A3 = Ukuran 7cm (2 Ekor)

A4 = Ukuran 5cm (1 Ekor), 7 Cm ( 2 Ekor), 8 Cm (1 Ekor)

B1 = Tidak ada ikan yang mati

B2 = Tidak ada ikan yang mati

B3 = Tidak ada ikan yang mati

B4 = Tidak ada ikan yang mati

C1 = Ukuran 5cm ( 1 Ekor), 6cm (1 Ekor)

C2 = Ukuran 5cm ( 1 Ekor)

C3 = Ukuran 6 Cm ( 1 Ekor)

C4 = Ukuran 5 Cm ( 2 Ekor)

38

Lampiran 6. Suhu (˚C) media selama transportasi

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Perlakuan | Ulangan | SUHU (˚C ) | | | | | |
| Jam ke- 1 | Jam ke- 2 | Jam ke- 3 | Jam ke- 4 | Jam ke-5 | Jam ke- 6 |
| A | 1 | 37 | 36 | 30 | 26 | 25 | 27 |
| 2 | 37 | 37 | 32 | 26 | 25 | 26 |
| 3 | 36 | 36 | 31 | 26 | 24 | 25 |
| 4 | 37 | 35 | 31 | 29 | 22 | 27 |
| B | 1 | 36 | 36 | 33 | 28 | 25 | 26 |
| 2 | 37 | 35 | 29 | 25 | 28 | 24 |
| 3 | 34 | 35 | 31 | 27 | 21 | 23 |
| 4 | 36 | 35 | 32 | 28 | 22 | 26 |
| C | 1 | 35 | 35 | 30 | 25 | 23 | 24 |
| 2 | 39 | 39 | 35 | 31 | 18 | 26 |
| 3 | 35 | 35 | 31 | 25 | 19 | 24 |
| 4 | 37 | 37 | 33 | 29 | 25 | 27 |

Lampiran 7. Dokumentasi Penelitian



(Pemberokan 24 jam) (Menimbang daun ruku-ruku) (Daun ruku-ruku 17,5 gr)



(Daun ruku-ruku 20 gr) (Daun ruku-ruku 22,5 gr) (Memblender daun ruku-ruku)

  

(Menyaring daun ruku-ruku) (Ekstrak daun ruku-ruku) (Pengambilan air)

 

(Air bersih sebelum d masukkan larutan) (Pengambilan sample)

 

(Melarutkan larutan di setiap 20 L air) (Telah di larutkan 20L air)

Lanjutan lampiran 7.

 

(Mengukur suhu) (Mengukur Ph)

 

(Persiapan kantong packing) (Memasukan 2L air kedalam packingan)

  (Memasukkan ikan ke dalam packing) (Packingan didalam sterofoam)

 

(Kendaraan yang digunakan) (Mencatat suhu dan ikan yang mati)

Lanjutan lampiran 7.

  

(Kilometer jam ke- 1) (Kilometer jam ke- 2) (Kilometer jam ke- 3)



(Kilometer jam ke- 4) ( Kilometer jam ke- 5) (Kilometer jam ke- 6)

 

(pemisahan sisa larutan dari packingan) (pemisahan ikan dari packingan)

 

( Cek pH dan dan pengambilan sample air) (Penyadaran ikan diair yang mengalir)