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**Lampiran 1. Data Ukuran Panjang, Lebar dan Tinggi Kerang Hijau
(*Perna viridis*) pada Berbagai Ukuran**

| NO | Ukuran 2-4 cm | | | Ukuran 4-6 cm | | | Ukuran 6-8 cm | | |
|----|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|
| | P | L | T | P | L | T | P | L | T |
| 1 | 3.9 | 1.2 | 2.2 | 5.9 | 1.7 | 2.8 | 7 | 2.1 | 3.1 |
| 2 | 3.8 | 1 | 2.2 | 4.8 | 1.4 | 2.4 | 6.5 | 2.1 | 3.1 |
| 3 | 3.2 | 0.9 | 1.8 | 4.5 | 1.4 | 2.5 | 6.5 | 1.9 | 2.8 |
| 4 | 3.9 | 1.2 | 2.1 | 4.2 | 1.3 | 2.1 | 7.1 | 2.2 | 3.3 |
| 5 | 3.2 | 1.1 | 1.7 | 5.5 | 1.8 | 2.7 | 6.1 | 1.8 | 2.9 |
| 6 | 3.8 | 1.2 | 2 | 4.5 | 1.3 | 2.1 | 6.3 | 1.8 | 2.8 |
| 7 | 3.9 | 1.1 | 2 | 4.9 | 1.6 | 2.4 | 6.2 | 2 | 3.1 |
| 8 | 3.9 | 1.1 | 1.9 | 4.1 | 1.3 | 2.3 | 7.8 | 2.3 | 3.8 |
| 9 | 3.6 | 1.2 | 1.9 | 4.4 | 1.5 | 2.2 | 7.7 | 2.6 | 3.7 |
| 10 | 3.4 | 1.1 | 1.8 | 4.3 | 1.2 | 2.2 | 6.1 | 1.9 | 2.9 |
| 11 | 3.5 | 1.1 | 1.9 | 4.9 | 1.5 | 2.3 | 6.4 | 1.8 | 2.9 |
| 12 | 3.4 | 1 | 1.7 | 5.4 | 1.6 | 2.5 | 7.2 | 2 | 3.2 |
| 13 | 3.5 | 0.9 | 1.8 | 5.4 | 1.8 | 2.6 | 7.7 | 2.3 | 3.3 |
| 14 | 3 | 0.8 | 1.6 | 5.2 | 1.5 | 2.5 | 6.8 | 2.1 | 3.1 |
| 15 | 3.5 | 1.2 | 1.9 | 4.3 | 1.3 | 2.1 | 6.3 | 2.1 | 3.1 |
| 16 | 4 | 1.1 | 2.2 | 5.4 | 1.7 | 2.5 | 7.9 | 2.4 | 3.3 |
| 17 | 3.9 | 1.3 | 2.3 | 4.1 | 1.2 | 2.3 | 6.2 | 2.3 | 3.2 |
| 18 | 3.6 | 1.1 | 1.9 | 4.9 | 1.5 | 2.5 | 6.7 | 1.9 | 3.2 |
| 19 | 3.3 | 1 | 1.8 | 5 | 1.4 | 2.4 | 6.5 | 2.1 | 3.1 |
| 20 | 3.5 | 1 | 1.7 | 4.6 | 1.4 | 2.2 | 6.5 | 2.1 | 3.1 |
| 21 | 3.8 | 1 | 1.9 | 4.3 | 1.2 | 2 | 7.3 | 2.5 | 3.6 |
| 22 | 4 | 1.1 | 2.2 | 5.1 | 1.5 | 2.3 | 8 | 2.5 | 3.8 |
| 23 | 3.7 | 1.1 | 1.9 | 4.7 | 1.4 | 2.2 | 6.1 | 1.8 | 3 |
| 24 | 3.3 | 1 | 1.2 | 4.6 | 1.4 | 2.3 | 7.4 | 2.4 | 3.4 |
| 25 | 3.6 | 1.1 | 1.9 | 4.8 | 1.3 | 2.2 | 7.1 | 2.3 | 3.4 |
| 26 | 2.6 | 0.7 | 1.3 | 5.1 | 1.5 | 2.3 | 6.4 | 1.8 | 3 |
| 27 | 3.3 | 0.8 | 1.7 | 5.4 | 1.8 | 2.8 | 8 | 2.4 | 3.6 |
| 28 | 3.5 | 0.9 | 1.6 | 4.2 | 1.2 | 2.2 | 6.1 | 1.8 | 2.8 |
| 29 | 3.8 | 1.1 | 2 | 4.4 | 1.3 | 2.3 | 6.8 | 2.1 | 3.1 |
| 30 | 3.2 | 1 | 1.7 | 4.1 | 1.2 | 2 | 6.1 | 2 | 3 |
| 31 | 3.5 | 1 | 1.8 | 4.1 | 1.1 | 2 | 6.1 | 1.7 | 2.7 |
| 32 | 3.6 | 1.1 | 1.9 | 4.4 | 1.2 | 2.2 | 8 | 2.5 | 4 |
| 33 | 3.8 | 1.2 | 2 | 4.4 | 1.4 | 2.2 | 6.1 | 1.9 | 3.2 |
| 34 | 3.5 | 1.1 | 1.8 | 4.8 | 1.7 | 2.7 | 6.1 | 1.8 | 2.6 |
| 35 | 3.7 | 1 | 1.9 | 4.6 | 1.5 | 2.5 | 6.1 | 1.7 | 2.9 |

Lampiran 1. Lanjutan

Lampiran 1. Lanjutan

| NO | Ukuran 2-4 cm | | | Ukuran 4-6 cm | | | Ukuran 6-8 cm | | |
|----|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|
| | P | L | T | P | L | T | P | L | T |
| 36 | 3.7 | 1.1 | 1.9 | 4.6 | 1.4 | 2.4 | 6.9 | 2.2 | 3.2 |
| 37 | 3.7 | 1.1 | 2 | 5 | 1.5 | 2.2 | 7.5 | 2.3 | 3.5 |
| 38 | 2.4 | 0.7 | 1.4 | 5 | 1.5 | 2 | 8 | 2.3 | 3.7 |
| 39 | 2.8 | 1.2 | 1.6 | 4.3 | 1.3 | 2.3 | 7.9 | 2.4 | 3.9 |
| 40 | 3.6 | 1 | 1.9 | 4.6 | 1.5 | 2.2 | 7.6 | 2.3 | 3.5 |
| 41 | 4 | 1.1 | 2 | 5.5 | 1.6 | 2.3 | 6.6 | 2 | 3.2 |
| 42 | 3.6 | 1.1 | 1.8 | 4.6 | 1.3 | 2.3 | 6.1 | 1.8 | 3 |
| 43 | 3.1 | 0.9 | 1.8 | 4.5 | 1.3 | 2.2 | 6.9 | 2.1 | 3.2 |
| 44 | 2.9 | 0.8 | 1.7 | 4.2 | 1.3 | 2 | 7.5 | 2.3 | 3.5 |
| 45 | 3 | 0.9 | 1.5 | 4.5 | 1.3 | 2.1 | 6.1 | 1.7 | 3 |
| 46 | 3.6 | 1.1 | 2.2 | 4.1 | 1.3 | 2.2 | 6.5 | 1.9 | 3 |
| 47 | 3.7 | 1 | 1.9 | 4.4 | 1.2 | 2.3 | 6.1 | 1.8 | 3.1 |
| 48 | 3.5 | 1 | 2 | 4.1 | 1.1 | 2.1 | 7.2 | 2.2 | 3.2 |
| 49 | 3.9 | 1.2 | 1.9 | 4.1 | 1.2 | 2.2 | 7.7 | 2.1 | 3.3 |
| 50 | 3.1 | 0.8 | 1.7 | 4.8 | 1.5 | 2.5 | 6.7 | 2 | 3.2 |
| 51 | 3 | 0.8 | 1.9 | 4.5 | 1.4 | 2.2 | 8 | 2.5 | 4 |
| 52 | 2.5 | 0.7 | 1.4 | 5 | 1.5 | 2.4 | 6.1 | 2 | 2.8 |
| 53 | 2.4 | 0.6 | 1.4 | 4.3 | 1.3 | 2.4 | 6.9 | 2 | 3.1 |
| 54 | 3.2 | 0.9 | 1.9 | 4.8 | 1.5 | 2.7 | 8.3 | 2.6 | 3.8 |
| 55 | 3.2 | 0.8 | 1.5 | 4.1 | 1.2 | 2.2 | 6.1 | 1.9 | 2.8 |
| 56 | 3.5 | 1.2 | 1.9 | 4.2 | 1.4 | 2.5 | 6.4 | 2 | 3.1 |
| 57 | 3.3 | 1.1 | 1.8 | 4.6 | 1.3 | 2.1 | 6.2 | 2 | 3 |
| 58 | 3.1 | 0.8 | 1.6 | 4.3 | 1.3 | 2 | 6.3 | 1.8 | 3 |
| 59 | 3.7 | 1 | 1.8 | 4.2 | 1.3 | 2.1 | 6.9 | 2 | 3.3 |
| 60 | 2.5 | 0.7 | 1.3 | 4.9 | 1.4 | 2.4 | 6.2 | 1.8 | 2.7 |
| 61 | 3.1 | 0.9 | 1.7 | 4.6 | 1.5 | 2.2 | 6.1 | 1.9 | 2.7 |
| 62 | 3.5 | 1.3 | 2 | 4.5 | 1.4 | 2.1 | 6.1 | 2 | 2.7 |
| 63 | 2.6 | 1.2 | 2 | 4.6 | 1.4 | 2.5 | 6.1 | 1.8 | 2.8 |
| 64 | 3.3 | 1 | 1.8 | 4.1 | 1.2 | 2.5 | 6.2 | 1.8 | 2.8 |
| 65 | 3.4 | 1.1 | 1.8 | 4.3 | 1.2 | 2.3 | 6.1 | 1.8 | 3 |
| 66 | 4 | 1.1 | 2 | 5 | 1.6 | 2.6 | 6.1 | 1.9 | 2.8 |
| 67 | 3.3 | 0,9 | 1.7 | 5 | 1.6 | 2.6 | 6.1 | 1.9 | 3 |
| 68 | 2.9 | 1.2 | 2.3 | 4.1 | 1.3 | 2.2 | 6.4 | 2 | 3 |
| 69 | 3.3 | 1 | 1.8 | 4.8 | 1.6 | 2.4 | 6.1 | 1.9 | 3 |
| 70 | 4 | 1.2 | 2.2 | 4.8 | 1.3 | 2.2 | 6.1 | 1.8 | 2.8 |
| 71 | 3.3 | 1.2 | 1.7 | 4.6 | 1.4 | 2.2 | 6.1 | 1.8 | 2.9 |

| No. | Ukuran 2-4 cm | | | Ukuran 4-6 cm | | | Ukuran 6-8 cm | | |
|-----|---------------|-----|-----|---------------|-----|-----|---------------|-----|-----|
| | P | L | T | P | L | T | P | L | T |
| 72 | 3.9 | 1.2 | 2.1 | 4.4 | 1.3 | 2.3 | 6.3 | 2.3 | 3.2 |
| 73 | 3.6 | 1 | 1.9 | 4.7 | 1.5 | 2.2 | 6.1 | 1.9 | 3 |
| 74 | 2.2 | 0.6 | 1.2 | 4.5 | 1.3 | 2 | 6.1 | 2 | 2.8 |
| 75 | 3.8 | 1.1 | 1.9 | 3.7 | 1.3 | 2.3 | 8.2 | 2.3 | 3.8 |
| 76 | 3.5 | 1 | 1.7 | 5 | 1.5 | 2.5 | 8.4 | 2.5 | 4.1 |
| 77 | 3.9 | 1.2 | 2 | 4.1 | 1.2 | 1.9 | 7.6 | 2.3 | 3.2 |
| 78 | 4 | 1.2 | 2.2 | 4.1 | 1.2 | 1.8 | 7.4 | 2.3 | 3.5 |
| 79 | 2.6 | 0.9 | 1.4 | 4.1 | 1.3 | 2 | 7.3 | 2.1 | 3.4 |
| 80 | 2.6 | 0.7 | 1.6 | 5.4 | 1.3 | 2,7 | 6.5 | 2.6 | 3.2 |
| 81 | 3.8 | 1.2 | 1.9 | 4.4 | 1.3 | 2.4 | 7.5 | 2.3 | 3.5 |
| 82 | 3.5 | 1.2 | 1.9 | 4.2 | 1.2 | 2.2 | 8 | 2.5 | 3.8 |
| 83 | 3.7 | 1.2 | 2 | 4.1 | 1.2 | 2.2 | 8 | 2.6 | 3.8 |
| 84 | 3.7 | 0.9 | 1.8 | 4.1 | 1.1 | 2.3 | 7.2 | 2.1 | 3.2 |
| 85 | 3.7 | 1.1 | 1.9 | 4.1 | 1.3 | 2.1 | 6.7 | 2 | 3 |
| 86 | 3.9 | 1.1 | 1.9 | 4.3 | 1.2 | 2.3 | 6.5 | 1.9 | 3 |
| 87 | 3.8 | 1.1 | 1.9 | 4.7 | 1.4 | 2.3 | 7.4 | 2.2 | 3.4 |
| 88 | 3.9 | 1.3 | 2.1 | 4.6 | 1.3 | 2.3 | 6.2 | 1.9 | 3.4 |
| 89 | 3.5 | 1.5 | 2.1 | 4.5 | 1.3 | 2.4 | 6.9 | 2.1 | 3.1 |
| 90 | 3.6 | 1.3 | 2.1 | 4.6 | 1.3 | 2.3 | 6.4 | 1.9 | 3.4 |
| 91 | 4 | 1.2 | 2 | 4.5 | 1.4 | 2.2 | 6.1 | 2 | 3.1 |
| 92 | 3.7 | 1.1 | 2 | 4.2 | 1.4 | 2.3 | 7.5 | 2.2 | 3.2 |
| 93 | 3.7 | 1.1 | 1.9 | 4.5 | 1.3 | 2.2 | 6.7 | 2.1 | 3 |
| 94 | 2.6 | 0.8 | 1.4 | 4.2 | 1.3 | 2.1 | 7.5 | 2.1 | 3.5 |
| 95 | 3.9 | 1.3 | 2.2 | 4.7 | 1.6 | 2.4 | 7.6 | 2.2 | 3.6 |
| 96 | 3.9 | 1.2 | 2 | 4.3 | 1.3 | 2.2 | 6.8 | 2.1 | 3.3 |
| 97 | 3.7 | 1.1 | 2.1 | 4.3 | 1.3 | 2.3 | 7.6 | 2.3 | 3.2 |
| 98 | 3.7 | 1.2 | 2 | 5.8 | 1.9 | 2.7 | 7.4 | 2.2 | 3.2 |
| 99 | 3.9 | 1.1 | 2 | 4.2 | 1.4 | 2 | 6.5 | 2.1 | 3.2 |
| 100 | 3.4 | 1 | 1.6 | 4.4 | 1.3 | 2.3 | 6.1 | 2.1 | 3.2 |

Lampiran 2. Berat Kering Kerang Hijau (*Perna viridis*)

| No. | Berat Kering Sampel (g) | | |
|-----|-------------------------|---------------|---------------|
| | Ukuran 2-4 cm | Ukuran 4-6 cm | Ukuran 6-8 cm |
| 1 | 0.35 | 0.82 | 1.03 |
| 2 | 0.33 | 0.72 | 0.98 |
| 3 | 0.17 | 0.57 | 1.09 |
| 4 | 0.40 | 0.48 | 1.36 |
| 5 | 0.23 | 0.88 | 0.76 |
| 6 | 0.33 | 0.49 | 1.32 |
| 7 | 0.31 | 0.57 | 1.48 |
| 8 | 0.32 | 0.51 | 1.42 |
| 9 | 0.29 | 0.50 | 1.42 |
| 10 | 0.28 | 0.49 | 0.92 |
| 11 | 0.24 | 0.55 | 0.80 |
| 12 | 0.27 | 0.83 | 0.96 |
| 13 | 0.24 | 0.78 | 0.99 |
| 14 | 0.21 | 0.67 | 1.07 |
| 15 | 0.28 | 0.48 | 1.41 |
| 16 | 0.32 | 0.74 | 1.30 |
| 17 | 0.43 | 0.48 | 1.37 |
| 18 | 0.29 | 0.58 | 0.87 |
| 19 | 0.24 | 0.52 | 0.85 |
| 20 | 0.23 | 0.63 | 1.01 |
| 21 | 0.29 | 0.50 | 1.60 |
| 22 | 0.44 | 0.59 | 2.60 |
| 23 | 0.26 | 0.43 | 1.44 |
| 24 | 0.15 | 0.50 | 1.94 |
| 25 | 0.28 | 0.48 | 1.06 |
| 26 | 0.16 | 0.57 | 0.93 |
| 27 | 0.26 | 0.91 | 1.27 |
| 28 | 0.21 | 0.44 | 1.15 |
| 29 | 0.28 | 0.35 | 1.03 |
| 30 | 0.28 | 0.42 | 0.85 |
| 31 | 0.25 | 0.33 | 0.85 |
| 32 | 0.29 | 0.42 | 1.8 |
| 33 | 0.28 | 0.47 | 1.85 |
| 34 | 0.21 | 0.66 | 0.76 |
| 35 | 0.25 | 0.49 | 0.71 |
| 36 | 0.34 | 0.41 | 1.19 |
| 37 | 0.26 | 0.66 | 2.07 |
| 38 | 0.10 | 0.75 | 1.38 |
| 39 | 0.15 | 0.41 | 1.97 |
| 40 | 0.27 | 0.40 | 3.14 |
| 41 | 0.22 | 0.73 | 0.89 |
| 42 | 0.28 | 0.41 | 0.74 |
| 43 | 0.22 | 0.47 | 1.26 |
| 44 | 0.18 | 0.38 | 1.40 |
| 45 | 0.20 | 0.47 | 1.14 |
| 46 | 0.32 | 0.43 | 1.00 |

Lampiran 2. Lanjutan

| No. | Berat Kering Sampel (g) | | |
|-----|-------------------------|---------------|---------------|
| | Ukuran 2-4 cm | Ukuran 4-6 cm | Ukuran 6-8 cm |
| 47 | 0.27 | 0.55 | 0.97 |
| 48 | 0.31 | 0.25 | 1.03 |
| 49 | 0.30 | 0.33 | 1.26 |
| 50 | 0.15 | 0.47 | 1.26 |
| 51 | 0.13 | 0.41 | 1.63 |
| 52 | 0.07 | 0.54 | 0.73 |
| 53 | 0.09 | 0.51 | 1.13 |
| 54 | 0.22 | 0.57 | 1.07 |
| 55 | 0.15 | 0.30 | 0.84 |
| 56 | 0.21 | 0.50 | 0.91 |
| 57 | 0.26 | 0.37 | 1.09 |
| 58 | 0.17 | 0.42 | 0.95 |
| 59 | 0.33 | 0.40 | 1.13 |
| 60 | 0.22 | 0.58 | 1.01 |
| 61 | 0.10 | 0.39 | 0.69 |
| 62 | 0.22 | 0.44 | 0.02 |
| 63 | 0.29 | 0.60 | 0.81 |
| 64 | 0.22 | 0.35 | 0.85 |
| 65 | 0.27 | 0.42 | 0.77 |
| 66 | 0.33 | 0.64 | 0.88 |
| 67 | 0.20 | 0.57 | 1.57 |
| 68 | 0.27 | 0.39 | 1.23 |
| 69 | 0.27 | 0.42 | 1.04 |
| 70 | 0.33 | 0.40 | 0.82 |
| 71 | 0.27 | 0.55 | 1.31 |
| 72 | 0.28 | 0.42 | 1.49 |
| 73 | 0.28 | 0.38 | 1.33 |
| 74 | 0.08 | 0.48 | 0.75 |
| 75 | 0.30 | 0.46 | 1.75 |
| 76 | 0.24 | 0.78 | 1.09 |
| 77 | 0.36 | 0.38 | 1.20 |
| 78 | 0.37 | 0.35 | 1.54 |
| 79 | 0.14 | 0.31 | 1.52 |
| 80 | 0.13 | 0.61 | 1.06 |
| 81 | 0.28 | 0.42 | 1.48 |
| 82 | 0.26 | 0.40 | 1.54 |
| 83 | 0.34 | 0.37 | 2.06 |
| 84 | 0.18 | 0.30 | 1.13 |
| 85 | 0.30 | 0.43 | 0.93 |
| 86 | 0.31 | 0.37 | 0.84 |
| 87 | 0.31 | 0.48 | 1.40 |
| 88 | 0.38 | 0.48 | 1.31 |
| 89 | 0.26 | 0.46 | 0.86 |
| 90 | 0.35 | 0.36 | 1.42 |
| 91 | 0.40 | 0.48 | 0.78 |

Lampiran 2. Lanjutan

| No. | Berat Kering Sampel (g) | | |
|-----|-------------------------|---------------|---------------|
| | Ukuran 2-4 cm | Ukuran 4-6 cm | Ukuran 6-8 cm |
| 92 | 0.35 | 0.45 | 1.36 |
| 93 | 0.28 | 0.40 | 1.03 |
| 94 | 0.11 | 0.36 | 1.17 |
| 95 | 0.35 | 0.83 | 1.36 |
| 96 | 0.35 | 0.37 | 0.99 |
| 97 | 0.30 | 0.62 | 1.03 |
| 98 | 0.32 | 0.83 | 1.27 |
| 99 | 0.40 | 0.43 | 1.10 |
| 100 | 0.21 | 0.41 | 1.16 |

**Lampiran 3. Kandungan Logam Timbal (Pb) dan Kadmium (Cd) Pada
Ukuran Kerang Hijau (*Pernaviridis*)**

| NO. | Kode Sampel | | Hasil Pengukuran | |
|-----|-------------|-----|------------------------------|------------------------------|
| | | | Logam Pb ($\mu\text{g/g}$) | Logam Cd ($\mu\text{g/g}$) |
| 1 | 2-4 cm | I | 0.107 | 0.457 |
| 2 | | II | 0.055 | 0.339 |
| 3 | | III | 0.083 | 0.335 |
| 4 | | IV | 0.046 | 0.051 |
| 5 | | V | 0.04 | 0.071 |
| 6 | 4-6 cm | I | 0.792 | 0.353 |
| 7 | | II | 0.036 | 0.298 |
| 8 | | III | 0.072 | 0.427 |
| 9 | | IV | 0.05 | 0.318 |
| 10 | | V | 0.006 | 0.264 |
| 11 | 6-8 cm | I | 0.37 | 0.187 |
| 12 | | II | 0.429 | 0.155 |
| 13 | | III | 0.614 | 0.214 |
| 14 | | IV | 0.433 | 0.138 |
| 15 | | V | 0.442 | 0.071 |

* Hasil Pengukuran AAS (*Atomic Absorption Spectrophotometer*)
Laboratorium Biofarmaka PKP Unhas

Lampiran 4. Uji Perbandingan Konsentrasi Logam Timbal (Pb) dan Kadmium (Cd) pada Berbagai Ukuran Panjang Kerang Hijau (*Perna viridis*)

A. Uji Normalitas Data

One-Sample Kolmogorov-Smirnov Test

| | | UKURAN | Logam Timbal | Logam Kadmium | Panjang | Lebar | Tinggi | Berat Kering |
|---------------------------------|----------------|--------|--------------|---------------|------------|---------|---------|--------------|
| N | | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Normal Parameters ^a | Mean | 2.00 | .23833 | .24520 | 5.14667 | 1.51200 | 2.46350 | .65260 |
| | Std. Deviation | .845 | .252149 | .130173 | 1.589805E0 | .452551 | .584422 | .413764 |
| Most Extreme Differences | Absolute | .215 | .299 | .124 | .223 | .214 | .201 | .289 |
| | Positive | .215 | .299 | .110 | .223 | .202 | .197 | .289 |
| | Negative | -.215 | -.178 | -.124 | -.219 | -.214 | -.201 | -.183 |
| Kolmogorov-Smirnov Z | | .833 | 1.157 | .481 | .862 | .828 | .778 | 1.118 |
| Asymp. Sig. (2-tailed) | | .492 | .137 | .975 | .447 | .499 | .580 | .164 |
| a. Test distribution is Normal. | | | | | | | | |

B. Descriptives

| | | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
|---------------|--------|----|--------|----------------|------------|----------------------------------|-------------|---------|---------|
| | | | | | | Lower Bound | Upper Bound | | |
| Logam Timbal | 2-4 cm | 5 | .06620 | .028137 | .012583 | .03126 | .10114 | .040 | .107 |
| | 4-6 cm | 5 | .19120 | .336709 | .150581 | -.22688 | .60928 | .006 | .792 |
| | 6-8 cm | 5 | .45760 | .091926 | .041110 | .34346 | .57174 | .370 | .614 |
| | Total | 15 | .23833 | .252149 | .065105 | .09870 | .37797 | .006 | .792 |
| Logam Kadmium | 2-4 cm | 5 | .25060 | .180024 | .080509 | .02707 | .47413 | .051 | .457 |
| | 4-6 cm | 5 | .33200 | .062133 | .027787 | .25485 | .40915 | .264 | .427 |
| | 6-8 cm | 5 | .15300 | .054383 | .024321 | .08547 | .22053 | .071 | .214 |
| | Total | 15 | .24520 | .130173 | .033610 | .17311 | .31729 | .051 | .457 |

C. ANOVA

| | | Sum of Squares | Df | Mean Square | F | Sig. |
|---------------|----------------|----------------|----|-------------|-------|------|
| Logam Timbal | Between Groups | .400 | 2 | .200 | 4.889 | .028 |
| | Within Groups | .490 | 12 | .041 | | |
| | Total | .890 | 14 | | | |
| Logam Kadmium | Between Groups | .080 | 2 | .040 | 3.071 | .084 |
| | Within Groups | .157 | 12 | .013 | | |
| | Total | .237 | 14 | | | |

Jika nilai sig >0,05 maka ada tidak ada perbedaan. Jika nilai sig.<0,05 maka ada perbedaan.

D. Post Hoc Tests

Multiple Comparisons

Bonferroni

| Dependent Variable | (I) UKURAN | (J) UKURAN | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|---------------|---------------|--------------------------|------------|-------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Logam Timbal | 2-4 cm | 4-6 cm | -.125000 | .127862 | 1.000 | -.48039 | .23039 |
| | | 6-8 cm | -.391400* | .127862 | .030 | -.74679 | -.03601 |
| | 4-6 cm | 2-4 cm | .125000 | .127862 | 1.000 | -.23039 | .48039 |
| | | 6-8 cm | -.266400 | .127862 | .178 | -.62179 | .08899 |
| | 6-8 cm | 2-4 cm | .391400* | .127862 | .030 | .03601 | .74679 |
| | | 4-6 cm | .266400 | .127862 | .178 | -.08899 | .62179 |
| Logam Kadmium | 2-4 cm | 4-6 cm | -.081400 | .072320 | .847 | -.28241 | .11961 |
| | | 6-8 cm | .097600 | .072320 | .606 | -.10341 | .29861 |
| | 4-6 cm | 2-4 cm | .081400 | .072320 | .847 | -.11961 | .28241 |
| | | 6-8 cm | .179000 | .072320 | .088 | -.02201 | .38001 |
| | 6-8 cm | 2-4 cm | -.097600 | .072320 | .606 | -.29861 | .10341 |
| | | 4-6 cm | -.179000 | .072320 | .088 | -.38001 | .02201 |

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

E. Correlations

Descriptive Statistics

| | Mean | Std. Deviation | N |
|---------------|---------|----------------|----|
| UKURAN | 2.00 | .845 | 15 |
| Logam Timbal | .23833 | .252149 | 15 |
| Logam Kadmium | .24520 | .130173 | 15 |
| Panjang | 5.14667 | 1.589805 | 15 |
| Lebar | 1.51200 | .452551 | 15 |
| Tinggi | 2.46350 | .584422 | 15 |
| Berat Kering | .65260 | .413764 | 15 |

Correlations

| | | UKURAN | Logam Timbal | Logam Kadmium | Panjang | Lebar | Tinggi | Berat Kering |
|--------------|---------------------|--------|--------------|---------------|---------|--------|--------|--------------|
| UKURAN | Pearson Correlation | 1 | .656** | -.317 | .891** | .977** | .975** | .957** |
| | Sig. (2-tailed) | | .008 | .250 | .000 | .000 | .000 | .000 |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Logam Timbal | Pearson Correlation | .656** | 1 | -.173 | .509 | .643** | .762** | .660** |
| | Sig. (2-tailed) | .008 | | .539 | .053 | .010 | .001 | .007 |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

| | | | | | | | | |
|---------------|---------------------|--------|--------|-------|--------|--------|--------|--------|
| Logam Kadmium | Pearson Correlation | -.317 | -.173 | 1 | -.288 | -.403 | -.396 | -.464 |
| | Sig. (2-tailed) | .250 | .539 | | .298 | .136 | .144 | .082 |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Panjang | Pearson Correlation | .891** | .509 | -.288 | 1 | .859** | .860** | .844** |
| | Sig. (2-tailed) | .000 | .053 | .298 | | .000 | .000 | .000 |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Lebar | Pearson Correlation | .977** | .643** | -.403 | .859** | 1 | .976** | .987** |
| | Sig. (2-tailed) | .000 | .010 | .136 | .000 | | .000 | .000 |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Tinggi | Pearson Correlation | .975** | .762** | -.396 | .860** | .976** | 1 | .977** |
| | Sig. (2-tailed) | .000 | .001 | .144 | .000 | .000 | | .000 |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Berat Kering | Pearson Correlation | .957** | .660** | -.464 | .844** | .987** | .977** | 1 |
| | Sig. (2-tailed) | .000 | .007 | .082 | .000 | .000 | .000 | |
| | N | 15 | 15 | 15 | 15 | 15 | 15 | 15 |

** . Correlation is significant at the 0.01 level (2-tailed).

**Lampiran 5. Keputusan Menteri negara Lingkungan Hidup Nomor 51 Tahun
2004 Tentang Baku Mutu Air Laut Untuk Biota Laut**

| NO. | Parameter | Satuan | Baku Mutu |
|-----------------------|--|----------------|--|
| Fisika | | | |
| 1 | Kecerahan ³ | m | Coral >5 Mangrove – Lamun >3 |
| 2 | Kebauan | - | Alami ³ |
| 3 | Kekeruhan ³ | NTU | <5 |
| 4 | Padatan Tersuspensi Total ^b | Mg/l | Coral: 20 Mangrove : 80 Lamun: 20 |
| 5 | Sampah | - | Nihil ¹⁽⁴⁾ |
| 6 | Suhu ^c | ⁰ C | Alam ^{3(c)} Coral : 28-30 ^(c) Mangrove: 28-30 ^(c) Lamun: 28-30 ^(c) |
| KIMIA | | | |
| 1 | pH ^d | - | 7-8,5 ^(d) |
| 2 | Salinitas ^e | ‰ | Alami ^{3(e)} Coral: 33-34 ^(e) Mangrove: 28-32 ^(e) Lamun: 28-30s ^(e) |
| 3 | Oksigen terlarut | mg/l | >5 |
| Logam Terlarut | | | |
| 9 | Raksa (Hg) | mg/l | 0,001 |
| No. | Parameter | Satuan | Baku Mutu |
| 12 | Kadmium (Cd) | mg/l | 0,001 |
| 14 | Timbal (Pb) | mg/l | 0,008 |

Catatan

1. Nihil adalah tidak terdeteksi dengan batasan deteksi alat yang digunakan (sesuai dengan metode yang digunakan)
2. Metode analisis mengacu pada metode analisa untuk air laut yang telah ada, baik internasional maupun nasional.
3. Alami adalah kondisi normal suatu lingkungan, bervariasi setiap saat (siang, malam dan musim)
4. Pengamatan oleh manusia (visual)
5. Pengamatan oleh manusia (visual). Lapisan minyak yang diacu adalah lapisan tipis (*this layer*) dengan ketebalan 0,01 mm
6. Tidak *bloom* adalah tidak terjadi pertumbuhan yang berlebihan yang dapat menyebabkan eutrofikasi. Pertumbuhan plankton yang berlebihan dipengaruhi oleh nutrisi, cahaya, suhu, kecepatan arus dan kestabilan plankton itu sendiri.

Lampiran 6. Kualitas Air Optimal Untuk Beberapa Biota Air

| Nama | Nama Ilmiah | pH | Suhu (0C) | Oksigen (ppm) | Salinitas (ppt) |
|--------------|---------------------------|-----------|------------------|----------------------|------------------------|
| Udang putih | <i>Penaeus merguensis</i> | 7.9-8.5 | 28-30 | 5-10 | 15-27 |
| Rumput laut | <i>Wuchema spinosum</i> | 7-8 | 25-27 | 4-6 | 27-30 |
| Rumput laut | <i>Gracillaria sp.</i> | 7-8 | 25-27 | 4-6 | 20-30 |
| Teripang | <i>Holothuria scabra</i> | 6.5-8.5 | 23-32 | 4-6 | 26-33 |
| Mutiara | <i>Pictada maxima</i> | 7.5-8.5 | 28-30 | 4-8 | 32-35 |
| Kerang bakau | <i>Crassostrea sp.</i> | 6-9 | 25-32 | 4-7 | 15-35 |
| Kerang hijau | <i>Perna viridis</i> | 6-9 | 26-30 | 3-7 | 27-34 |
| Kerang darah | <i>Anadara granulosa</i> | 6-9 | 26-32 | 3-6 | 15-34 |

Sumber: Effendi, 2005