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LAMPIRAN

Lampiran 1. Data Tutupan Lamun Stasiun 1 (%)

| Kuadrat | Ulangan 1 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 0 | 5 | 5 |
| 2 | 15 | 15 | 30 |
| 3 | 20 | 10 | 30 |
| 4 | 35 | 5 | 40 |
| 5 | 40 | 20 | 60 |
| 6 | 25 | 15 | 40 |
| 7 | 50 | 0 | 50 |
| 8 | 35 | 0 | 35 |
| 9 | 0 | 60 | 60 |
| 10 | 15 | 10 | 25 |
| 11 | 0 | 0 | 0 |
| Total | 235 | 140 | 375 |
| Rata-Rata | 21 | 13 | 34 |
| SE | 5.226 | 5.151 | |

| Kuadrat | Ulangan 2 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 25 | 15 | 40 |
| 2 | 20 | 0 | 20 |
| 3 | 5 | 5 | 10 |
| 4 | 10 | 15 | 25 |
| 5 | 15 | 20 | 35 |
| 6 | 30 | 10 | 40 |
| 7 | 25 | 0 | 25 |
| 8 | 50 | 0 | 50 |
| 9 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 180 | 65 | 245 |
| Rata-Rata | 16 | 6 | 22 |
| SE | 4.724 | 2.318 | |

| Kuadrat | Ulangan 3 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 15 | 5 | 20 |
| 2 | 25 | 10 | 35 |
| 3 | 15 | 10 | 25 |
| 4 | 30 | 15 | 45 |
| 5 | 25 | 0 | 25 |
| 6 | 20 | 0 | 20 |
| 7 | 15 | 0 | 15 |
| 8 | 5 | 0 | 5 |
| 9 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 150 | 40 | 190 |
| Rata-Rata | 14 | 4 | 17 |
| SE | 3.309 | 1.663 | |

Lampiran 2. Data Tutupan Lamun Stasiun 2 (%)

| Kuadrat | Ulangan 1 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 75 | 10 | 85 |
| 2 | 95 | 5 | 100 |
| 3 | 10 | 90 | 100 |
| 4 | 35 | 20 | 55 |
| 5 | 85 | 10 | 95 |
| 6 | 75 | 10 | 85 |
| 7 | 50 | 10 | 60 |
| 8 | 15 | 25 | 40 |
| 9 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 440 | 180 | 620 |
| Rata-Rata | 40 | 16 | 56 |
| SE | 5.226 | 5.151 | |

| Kuadrat | Ulangan 2 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 30 | 15 | 45 |
| 2 | 35 | 5 | 40 |
| 3 | 35 | 5 | 40 |
| 4 | 35 | 10 | 45 |
| 5 | 25 | 5 | 30 |
| 6 | 30 | 10 | 40 |
| 7 | 25 | 0 | 25 |
| 8 | 0 | 0 | 0 |
| 9 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 215 | 50 | 265 |
| Rata-Rata | 20 | 5 | 24 |
| SE | 4.789 | 1.575 | |

| Kuadrat | Ulangan 3 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 10 | 60 | 70 |
| 2 | 30 | 30 | 60 |
| 3 | 10 | 70 | 80 |
| 4 | 75 | 0 | 75 |
| 5 | 0 | 85 | 85 |
| 6 | 65 | 5 | 70 |
| 7 | 70 | 5 | 75 |
| 8 | 65 | 15 | 80 |
| 9 | 10 | 10 | 20 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 335 | 280 | 615 |
| Rata-Rata | 30 | 25 | 56 |
| SE | 9.522 | 9.474 | |

Lampiran 3. Data Tutupan Lamun Stasiun 3 (%)

| Kuadrat | Ulangan 1 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 25 | 0 | 25 |
| 2 | 20 | 0 | 20 |
| 3 | 30 | 0 | 30 |
| 4 | 60 | 0 | 60 |
| 5 | 75 | 0 | 75 |
| 6 | 10 | 0 | 10 |
| 7 | 15 | 0 | 15 |
| 8 | 25 | 0 | 25 |
| 9 | 10 | 0 | 10 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 270 | 0 | 270 |
| Rata-Rata | 25 | 0 | 25 |
| SE | 7.118 | 0.000 | |

| Kuadrat | Ulangan 2 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 3 | 0 | 3 |
| 2 | 5 | 0 | 5 |
| 3 | 3 | 0 | 3 |
| 4 | 20 | 0 | 20 |
| 5 | 15 | 0 | 15 |
| 6 | 15 | 0 | 15 |
| 7 | 20 | 0 | 20 |
| 8 | 10 | 0 | 10 |
| 9 | 10 | 0 | 10 |
| 10 | 0 | 0 | 0 |
| 11 | 0 | 0 | 0 |
| Total | 101 | 0 | 101 |
| Rata-Rata | 9 | 0 | 9 |
| SE | 2.268 | 0.000 | |

| Kuadrat | Ulangan 3 | | Total |
|------------------|-----------------------------|----------------------------|------------|
| | <i>Thalassia hemprichii</i> | <i>Cymodocea rotundata</i> | |
| 1 | 0 | 25 | 25 |
| 2 | 10 | 0 | 10 |
| 3 | 5 | 0 | 5 |
| 4 | 5 | 0 | 5 |
| 5 | 5 | 0 | 5 |
| 6 | 10 | 0 | 10 |
| 7 | 10 | 0 | 10 |
| 8 | 15 | 0 | 15 |
| 9 | 15 | 0 | 15 |
| 10 | 10 | 0 | 10 |
| 11 | 0 | 0 | 0 |
| Total | 85 | 25 | 110 |
| Rata-Rata | 8 | 2 | 10 |
| SE | 1.561 | 2.273 | |

Lampiran 4. Data Sampah Perstasiun

| No | Klasifikasi | Stasiun 1 | Kelimpahan (Potong/m ²) | Stasiun 2 | Kelimpahan (Potong/m ²) | Stasiun 3 | Kelimpahan (Potong/m ²) | Stasiun 4 | Kelimpahan (Potong/m ²) |
|----|------------------|--------------|--|--------------|--|--------------|--|--------------|--|
| 1 | Plastik | 42 | 0.318 | 47 | 0.356 | 23 | 0.174 | 2 | 0.015 |
| | Busa plastik | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| 3 | Kain | 0 | 0.000 | 1 | 0.008 | 5 | 0.038 | 0 | 0.000 |
| 4 | Kaca dan Keramik | 8 | 0.061 | 8 | 0.061 | 4 | 0.030 | 3 | 0.023 |
| 5 | Logam | 4 | 0.030 | 5 | 0.038 | 5 | 0.038 | 0 | 0.000 |
| 6 | kertas | 5 | 0.038 | 5 | 0.038 | 5 | 0.038 | 0 | 0.000 |
| 7 | Karet | 0 | 0.000 | 2 | 0.015 | 1 | 0.008 | 0 | 0.000 |
| 8 | Kayu | 5 | 0.038 | 3 | 0.023 | 3 | 0.023 | 1 | 0.008 |
| 9 | Bahan Lainnya | 9 | 0.068 | 7 | 0.053 | 2 | 0.015 | 4 | 0.030 |
| | Total | 73 | | 78 | | 48 | | 10 | |
| | Kelimpahan | 0.553 | | 0.591 | | 0.364 | | 0.076 | |
| | SE | 4.383 | 0.033 | 4.873 | 0.037 | 2.291 | 0.017 | 0.512 | 0.004 |

| No | Klasifikasi | Stasiun 1 | Kelimpahan Massa (gr/m ²) | Stasiun 2 | Kelimpahan Massa (gr/m ²) | Stasiun 3 | Kelimpahan Massa (gr/m ²) | Stasiun 4 | Kelimpahan Massa (gr/m ²) |
|----|------------------|--------------|---|--------------|---|--------------|---|--------------|---|
| 1 | Plastik | 439 | 3.326 | 373 | 2.826 | 175 | 1.326 | 7 | 0.053 |
| 2 | Busa plastik | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 | 0 | 0.000 |
| 3 | Kain | 0 | 0.000 | 32 | 0.242 | 59 | 0.447 | 0 | 0.000 |
| 4 | Kaca dan Keramik | 714 | 5.409 | 516 | 3.909 | 320 | 2.424 | 55 | 0.417 |
| 5 | Logam | 129 | 0.977 | 136 | 1.030 | 198 | 1.500 | 0 | 0.000 |
| 6 | kertas | 58 | 0.439 | 60 | 0.455 | 41 | 0.311 | 0 | 0.000 |
| 7 | Karet | 0 | 0.000 | 24 | 0.182 | 12 | 0.091 | 0 | 0.000 |
| 8 | Kayu | 55 | 0.417 | 33 | 0.250 | 86 | 0.652 | 16 | 0.121 |
| 9 | Bahan Lainnya | 141 | 1.068 | 122 | 0.924 | 8 | 0.061 | 62 | 0.470 |
| | Total | 1536 | | 1296 | | 899 | | 140 | |
| | Kelimpahan | 11.636 | | 9.818 | | 6.811 | | 1.061 | |
| | SE | 81.928 | 0.621 | 59.911 | 0.454 | 36.361 | 0.275 | 8.330 | 0.063 |

Lampiran 5. Hasil Uji *One Way Anova*

Descriptives

| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum | |
|-------------------|-------|------|----------------|------------|----------------------------------|-------------|---------|---------|-------|
| | | | | | Lower Bound | Upper Bound | | | |
| Kelimpahan Jumlah | 1 | 3 | -.7420 | .09796 | .05656 | -.9854 | -.4987 | -.80 | -.63 |
| | 2 | 3 | -.7164 | .12016 | .06937 | -1.0149 | -.4179 | -.84 | -.60 |
| | 3 | 3 | -1.0198 | .35371 | .20421 | -1.8985 | -.1411 | -1.28 | -.62 |
| | 4 | 3 | -1.6275 | .20206 | .11666 | -2.1294 | -1.1255 | -1.82 | -1.42 |
| | Total | 12 | -1.0264 | .42584 | .12293 | -1.2970 | -.7559 | -1.82 | -.60 |
| Kelimpahan Massa | 1 | 3 | .5829 | .08726 | .05038 | .3662 | .7997 | .49 | .67 |
| | 2 | 3 | .4319 | .31690 | .18296 | -.3553 | 1.2191 | .22 | .80 |
| | 3 | 3 | .2126 | .46838 | .27042 | -.9509 | 1.3761 | -.29 | .64 |
| | 4 | 3 | -.4611 | .11014 | .06359 | -.7347 | -.1875 | -.54 | -.34 |
| | Total | 12 | .1916 | .48533 | .14010 | -.1168 | .5000 | -.54 | .80 |

Test of Homogeneity of Variances

| | Levene Statistic | df1 | df2 | Sig. |
|------------------|------------------|-----|-----|------|
| KelimpahanJumlah | 2.847 | 3 | 8 | .105 |
| KelimpahanMassa | 3.025 | 3 | 8 | .094 |

ANOVA

| | | Sum of Squares | df | Mean Square | F | Sig. |
|-------------------|----------------|----------------|----|-------------|--------|------|
| Kelimpahan Jumlah | Between Groups | 1.615 | 3 | .538 | 11.334 | .003 |
| | Within Groups | .380 | 8 | .047 | | |
| | Total | 1.995 | 11 | | | |
| Kelimpahan Massa | Between Groups | 1.912 | 3 | .637 | 7.508 | .010 |
| | Within Groups | .679 | 8 | .085 | | |
| | Total | 2.591 | 11 | | | |

Post Hoc Tests

Multiple Comparisons

Tukey HSD

| Dependent Variable | (I) Stasiun | (J) Stasiun | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|--------------------|-------------|-------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | | Lower Bound | Upper Bound |
| Kelimpahan Jumlah | 1 | 2 | -.02564 | .17794 | .999 | -.5955 | .5442 |
| | | 3 | .27775 | .17794 | .449 | -.2921 | .8476 |
| | | 4 | .88542* | .17794 | .005 | .3156 | 1.4552 |
| | 2 | 1 | .02564 | .17794 | .999 | -.5442 | .5955 |
| | | 3 | .30339 | .17794 | .381 | -.2664 | .8732 |
| | | 4 | .91106* | .17794 | .004 | .3412 | 1.4809 |
| | 3 | 1 | -.27775 | .17794 | .449 | -.8476 | .2921 |
| | | 2 | -.30339 | .17794 | .381 | -.8732 | .2664 |
| | | 4 | .60767* | .17794 | .037 | .0378 | 1.1775 |
| | 4 | 1 | -.88542* | .17794 | .005 | -1.4552 | -.3156 |
| | | 2 | -.91106* | .17794 | .004 | -1.4809 | -.3412 |
| | | 3 | -.60767* | .17794 | .037 | -1.1775 | -.0378 |
| Kelimpahan Massa | 1 | 2 | .15101 | .23789 | .918 | -.6108 | .9128 |
| | | 3 | .37036 | .23789 | .451 | -.3914 | 1.1322 |
| | | 4 | 1.04400* | .23789 | .010 | .2822 | 1.8058 |
| | 2 | 1 | -.15101 | .23789 | .918 | -.9128 | .6108 |
| | | 3 | .21935 | .23789 | .794 | -.5425 | .9812 |
| | | 4 | .89299* | .23789 | .023 | .1312 | 1.6548 |
| | 3 | 1 | -.37036 | .23789 | .451 | -1.1322 | .3914 |
| | | 2 | -.21935 | .23789 | .794 | -.9812 | .5425 |
| | | 4 | .67363 | .23789 | .084 | -.0882 | 1.4354 |
| | 4 | 1 | -1.04400* | .23789 | .010 | -1.8058 | -.2822 |
| | | 2 | -.89299* | .23789 | .023 | -1.6548 | -.1312 |
| | | 3 | -.67363 | .23789 | .084 | -1.4354 | .0882 |

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

Homogeneous Subsets

Kelimpahan Jumlah

Tukey HSD

| Stasiun | N | Subset for alpha = 0.05 | |
|---------|---|-------------------------|---------|
| | | 1 | 2 |
| 4 | 3 | -1.6275 | |
| 3 | 3 | | -1.0198 |
| 1 | 3 | | -.7420 |
| 2 | 3 | | -.7164 |
| Sig. | | 1.000 | .381 |

Means for groups in homogeneous subsets are displayed.

Kelimpahan Massa

Tukey HSD

| Stasiun | N | Subset for alpha = 0.05 | |
|---------|---|-------------------------|-------|
| | | 1 | 2 |
| 4 | 3 | -.4611 | |
| 3 | 3 | .2126 | .2126 |
| 2 | 3 | | .4319 |
| 1 | 3 | | .5829 |
| Sig. | | .084 | .451 |

Means for groups in homogeneous subsets are displayed.

Lampiran 6. Hasil uji Korelasi Persentase Tutupan Lamun Terhadap Kelimpahan Jumlah Sampah

Correlations

Descriptive Statistics

| | Mean | Std. Deviation | N |
|-------------------|--------|----------------|---|
| Tutupan_Lamun | 21.25 | 18.875 | 4 |
| Kelimpahan_Jumlah | .39600 | .235300 | 4 |

Correlations

| | | Tutupan Lamun | Kelimpahan Jumlah |
|-------------------|---------------------|---------------|-------------------|
| Tutupan_Lamun | Pearson Correlation | 1 | .917 |
| | Sig. (2-tailed) | | .083 |
| | N | 4 | 4 |
| Kelimpahan_Jumlah | Pearson Correlation | .917 | 1 |
| | Sig. (2-tailed) | .083 | |
| | N | 4 | 4 |

Lampiran 7. Hasil uji Korelasi Persentase Tutupan Lamun Terhadap Kelimpahan Massa Sampah

Correlations

Descriptive Statistics

| | Mean | Std. Deviation | N |
|------------------|---------|----------------|---|
| Tutupan_Lamun | 21.25 | 18.875 | 4 |
| Kelimpahan_Massa | 7.33150 | 4.629669 | 4 |

Correlations

| | | Tutupan Lamun | Kelimpahan Massa |
|------------------|---------------------|---------------|------------------|
| Tutupan_Lamun | Pearson Correlation | 1 | .808 |
| | Sig. (2-tailed) | | .192 |
| | N | 4 | 4 |
| Kelimpahan_Massa | Pearson Correlation | .808 | 1 |
| | Sig. (2-tailed) | .192 | |
| | N | 4 | 4 |

Lampiran 8. Dokumentasi Kegiatan



(a)



(b)



(c)



(d)

Gambar 12. Persentase Tutupan Lamun (a), Pengamatan (b), Pengambilan Data Sampah (c) , dan Sampah di Perairan (d)



(a)



(b)



(c)



(d)



(e)

Gambar 13. Lokasi Penelitian (a), Pengamatan Sampah (b), Pengukuran Sampah (c),(d) dan (e)