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# LAMPIRAN

## Lampiran 1. Hasil Pengolahan Data Lamun

### A. Kerapatan Lamun

#### 1. Rata-Rata Kerapatan Total Lamun

Nilai Rata-Rata Kerapatan Total Lamun (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	392	677.09
2	490.15	225.82
3	199.75	317.45
<b>Rata-Rata</b>	<b>360.63</b>	<b>406.79</b>
<b>SE</b>	<b>85.29</b>	<b>137.72</b>

#### 2. Rata-Rata Kerapatan *Enhalus acoroides*

Nilai Rata-Rata Kerapatan <i>Enhalus acoroides</i> (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	12	0
2	23.38	0.73
3	7.25	0
<b>Rata-Rata</b>	<b>14.21</b>	<b>0.24</b>
<b>SE</b>	<b>4.79</b>	<b>0.24</b>

#### 3. Rata-Rata Kerapatan *Thalassia hemprichii*

Nilai Rata-Rata Kerapatan <i>Thalassia hemprichii</i> (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	42	62.55
2	27.38	46.91
3	163.5	14.18
<b>Rata-Rata</b>	<b>77.63</b>	<b>41.21</b>
<b>SE</b>	<b>43.14</b>	<b>14.25</b>

#### 4. Rata-Rata Kerapatan *Cymodocea rotundata*

Nilai Rata-Rata Kerapatan <i>Cymodocea rotundata</i> (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	121	437.09
2	163.08	86.55
3	0.5	147.27
<b>Rata-Rata</b>	<b>94.86</b>	<b>223.64</b>
<b>SE</b>	<b>48.72</b>	<b>108.16</b>

#### 5. Rata-Rata Kerapatan *Syringodium isoetifolium*

Nilai Rata-Rata Kerapatan <i>Syringodium isoetifolium</i> (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	0	0.36
2	0	0.73
3	0	0.73
<b>Rata-Rata</b>	<b>0</b>	<b>0.61</b>
<b>SE</b>	0	0.12

6. Rata-Rata Kerapatan *Halophila ovalis*

Nilai Rata-Rata Kerapatan <i>Halophila ovalis</i> (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	154	53.09
2	144.62	20.36
3	0	26.55
<b>Rata-Rata</b>	<b>99.54</b>	<b>33.33</b>
<b>SE</b>	49.84	10.04

7. Rata-Rata Kerapatan *Halodule uninervis*

Nilai Rata-Rata Kerapatan <i>Halodule uninervis</i> (tegakan/m <sup>2</sup> )		
Ulangan	S1 Transplantasi	S2 Alami
1	63	124
2	131.69	70.55
3	28.5	128.73
<b>Rata-Rata</b>	<b>74.40</b>	<b>107.76</b>
<b>SE</b>	30.33	18.66

B. Persentase Tutupan Lamun

Nilai Rata-Rata Tutupan Total Lamun (%)		
Ulangan	S1 Transplantasi	S2 Alami
1	36.5	39.18
2	45.69	14.36
3	23.38	16.09
<b>Rata-Rata</b>	<b>35.19</b>	<b>23.21</b>
<b>SE</b>	6.48	8

C. Tinggi Kanopi Lamun

Ulangan	Nilai Rata-Rata Tinggi Kanopi Lamun (cm)		Transformasi Log Kanopi	
	S1 Transplantasi	S2 Alami	S1 Transplantasi	S2 Alami
1	12.44	12.24	1.09	1.09
2	29.4	5.59	1.47	0.75
3	6.88	6.18	0.84	0.79
<b>Rata-Rata</b>	<b>16.24</b>	<b>8</b>	<b>1.13</b>	<b>0.88</b>
<b>SE</b>	6.77	2.12	0.18	0.11

Lampiran 2. Hasil *Independent sample t-test* Data Lamun

A. Kerapatan Lamun

1. Kerapatan Total

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Total	Equal variances assumed	1.252	.326	-.282	4	.792	-45.668333	162.053812	-495.601846	404.265179
	Equal variances not assumed			-.282	3.336	.795	-45.668333	162.053812	-533.203042	441.866376

2. Kerapatan *Enhalus acoroides*

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Ea	Equal variances assumed	7.943	.048	2.914	4	.043	13.969333	4.793375	.660790	27.277876
	Equal variances not assumed			2.914	2.010	.100	13.969333	4.793375	-6.554451	34.493117

3. Kerapatan *Thalassia hemprichii*

**Independent Samples Test**

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Th	Equal variances assumed	5.844	.073	.802	4	<b>.468</b>	36.416333	45.434729	-89.730697	162.563363
	Equal variances not assumed			.802	2.431	.494	36.416333	45.434729	-129.333699	202.166366

4. Kerapatan *Cymodocea rotundata*

**Independent Samples Test**

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Cr	Equal variances assumed	3.203	.148	1.086	4	<b>.339</b>	-128.777333	118.623322	-458.128476	200.573809
	Equal variances not assumed			1.086	2.779	.363	-128.777333	118.623322	-523.812442	266.257776



5. Kerapatan *Syringodium isoetifolium*

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Si	Equal variances assumed	16.000	.016	-	4	.007	-.606000	.121000	-.941950	-.270050
	Equal variances not assumed			-						

6. Kerapatan *Halophila ovalis*

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Ho	Equal variances assumed	9.538	.037	1.302	4	.263	66.205000	50.843730	-74.959825	207.369825
	Equal variances not assumed			1.302						

7. Kerapatan *Halodule uninervis*

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kerapatan Hu	Equal variances assumed	.777	.428	-	4	.402	-33.360000	35.607705	-132.222840	65.502840
	Equal variances not assumed			-						

## B. Tutupan Lamun

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
Tutupan	1.398	.302	-	4	<b>.875</b>	-.337667	2.021072	-5.949063	5.273729
Equal variances assumed			.167						
Equal variances not assumed			-	3.390	.877	-.337667	2.021072	-6.370189	5.694856
			.167						

## C. Tinggi Kanopi Lamun

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
Transformasi Log Tinggi Kanopi	.665	.461	1.218	4	<b>.290</b>	.258201	.211996	-.330395	.846798
Equal variances assumed									
Equal variances not assumed			1.218	3.222	.305	.258201	.211996	-.390959	.907362

**Lampiran 3. Data Parameter Lingkungan**

Stasiun	Ulangan	Suhu	Salinitas (ppt)	pH	Kecerahan Air		Kecepatan Arus			Rerata	
					Kedalaman (m)	Kecerahan	Waktu (s)	Arah	Jarak		Arus (m/s)
S1 Transplantasi	1	30	35	8.07	1.7	100%	1142	58° B	10	0.0088	0.0269
	2	30	35	8.08	1.2	100%	382	32° TL		0.0262	
	3	29.5	34	8.09	0.84	100%	219	36° TL		0.0457	
S2 Alami	1	28.5	34	8.02	1.05	100%	907	283° B	10	0.0110	0.0148
	2	29	34	7.9	1	100%	590	285° B		0.0169	
	3	28	33	8.03	1.15	100%	606	60° TL		0.0165	

**Lampiran 4. Data Pengukuran Butir Sedimen**

Stasiun	Ulangan	Berat Awal (gr)	Berat Hasil Ayakan (gr)							Berat akhir
			2 mm	1 mm	0,5 mm	0,25 mm	0,125 mm	0,063 mm	<0,063 mm	
S1 Transplantasi	1	100.028	2.384	5.899	13.438	58.115	17.609	2.220	0.112	99.777
	2	100.044	2.073	3.153	10.504	55.854	23.802	3.999	0.552	99.937
	3	100.043	4.784	5.980	27.197	42.121	17.163	2.340	0.237	99.822
S2 Alami	1	100.085	4.110	2.975	11.520	55.226	23.289	2.448	0.318	99.886
	2	100.073	6.610	4.982	20.077	45.906	17.712	3.516	0.697	99.500
	3	100.035	4.963	5.054	33.921	41.938	12.132	1.400	0.201	99.609

**Lampiran 5.** Dokumentasi Pengambilan Data di Lapangan



Pengambilan data kerapatan dan tutupan



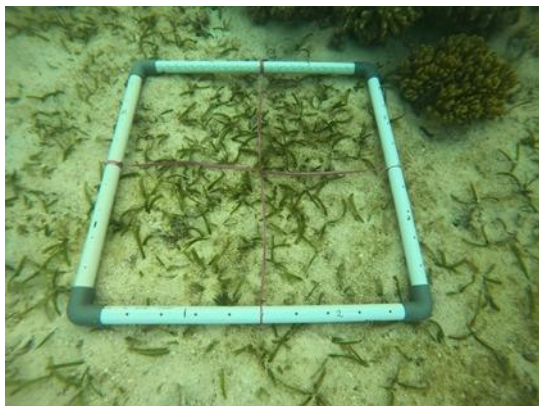
Pencatatan data di lapangan



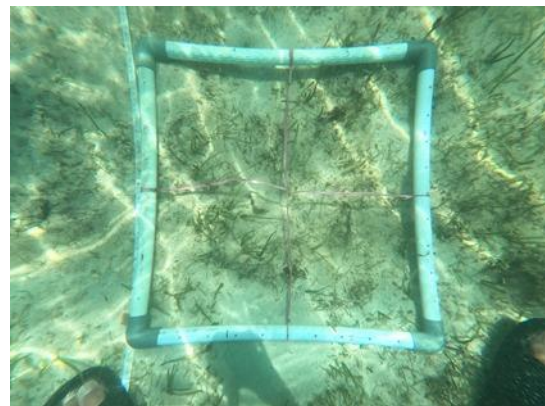
Pengambilan data parameter lingkungan



Pengambilan data tinggi kanopi



Kondisi lamun S1 Transplantasi



Kondisi lamun S2 Alami



Foto tim

**Lampiran 6. Dokumentasi Pengukuran Butir Sedimen di Laboratorium**



Preparasi sampel sedimen



Pengukuran butir sedimen



Pencatatan berat butir sedimen