Supplementary Material

Table 3. Density and biomass of Sargassum measured at the 30 sampling locations in the coastal waters of Sekupang District.

Point (NO)	Number of Stands (n)	Transect Area (A) [m²]	Density (D) [ind/m²]	Dry Weight (W) [g]	Biomass [g/m²]
1	10	25	0.40	10.03	4.01
2	12	25	0.48	12.76	6.12
3	8	25	0.32	8.62	2.76
4	15	25	0.60	11.06	6.64
5	5	25	0.20	7.55	1.51
6	7	25	0.28	8.28	2.32
7	9	25	0.36	7.98	2.87
8	11	25	0.44	12.08	5.32
9	13	25	0.52	14.41	7.49
10	6	25	0.24	7.74	1.86
11	10	25	0.40	9.31	3.72
12	8	25	0.32	6.76	2.16
13	5	25	0.20	5.51	1.10
14	4	25	0.16	4.59	0.73
15	9	25	0.36	8.46	3.05
16	11	25	0.44	11.33	4.99
17	10	25	0.40	13.47	5.39
18	7	25	0.28	9.48	2.65
19	6	25	0.24	5.69	1.37
20	5	25	0.20	4.35	0.87
21	8	25	0.32	6.07	1.94
22	9	25	0.36	7.30	2.63
23	11	25	0.44	12.05	5.30
24	10	25	0.40	13.38	5.35
25	12	25	0.48	14.26	6.84
26	13	25	0.52	15.59	8.11
27	5	25	0.20	13.54	2.71
28	8	25	0.32	13.04	4.17
29	10	25	0.40	11.45	4.58
30	6	25	0.24	9.60	2.30
Mean	**8.77**	**25.00**	**0.35**	**9.86**	**3.70**
Std Dev	**2.81**		**0.11**	**3.17**	**2.06**

Table 4. Organic matter characteristics of Sargassum biomass determined using the Loss on Ignition (LOI) method.

Point (NO)	Dry Weight (Wo) [g]	Ash Weight (Wt) [g]	% LOI
1	10.03	6.32	37
2	12.76	8.19	36
3	8.62	4.75	45
4	11.06	6.41	42
5	7.55	4.06	46

6	8.28	3.82	54
7	7.98	4.55	43
8	12.08	6.16	49
9	14.41	7.70	47
10	7.74	2.56	67
11	9.31	4.57	51
12	6.76	3.17	53
13	5.51	2.42	56
14	4.59	1.15	75
15	8.46	3.47	59
16	11.33	4.53	60
17	13.47	8.76	35
18	9.48	4.74	50
19	5.69	2.96	48
20	4.35	1.83	58
21	6.07	3.64	40
22	7.30	4.23	42
23	12.05	7.47	38
24	13.38	4.28	68
25	14.26	6.27	56
26	15.59	9.51	39
27	13.54	1.35	90
28	13.04	3.91	70
29	11.45	5.49	52
30	9.60	6.72	30
Mean	**9.86**	**4.83**	**51.20**
Std Dev	**3.17**	**2.16**	**13.30**

Table 5. Regression Error Analysis Between LYZENGA (X) and LOI% (Y) Variables

No	LYZENGA (X)	LOI% (Y)	y' = aX + b	(Y-y')^2
1	-1.89	60.02	59.666626	0.124873
2	-1.96	34.97	34.426068	0.295862
3	-1.91	50.00	50.877376	0.769789
4	-1.92	47.98	49.694748	2.940361
5	-1.89	57.93	58.391606	0.213080
6	-1.94	40.03	39.199311	0.690044
7	-1.94	42.05	41.054097	0.991823
8	-1.95	38.01	37.980496	0.000870
9	-1.87	68.01	68.323447	0.098249
10	-1.90	56.03	57.594718	2.448342
11	-1.95	39.00	38.234961	0.585285

12	-1.81	90.03	89.199985	0.688925
13	-1.86	70.02	69.390198	0.396651
14	-1.91	52.05	51.686968	0.131792
15	-1.97	30.00	30.445093	0.198108
Jumlah (Y-y')^2				**10.574054**
RMSE				**0.839605**