

Supplementary material

**Table 1.** Sediment and Soil Substrate Research Location

Station	Substrate	Plot	Sediment type	Information
1	Muddy	A1	Muddy silt	Soft and dense
1	Muddy	A1	Muddy silt	Soft and dense
1	Muddy	A1	Muddy silt	Soft and dense
2	Sandy	A2	Sandy silt	Soft Particle
2	Sandy	A2	Sandy silt	Soft Particle
2	Sandy	A2	Sandy silt	Soft Particle
3	Muddy sand	A3	Mix	Dull
3	Muddy sand	A3	Mix	Dull
3	Muddy sand	A3	Mix	Dull

Source: Result analysis (2022).

**Table 2.** Mangrove Forest Density Data Based on Research Results.

Mangrove type	Tree density (tree/hectare)								
	Station 1 Muddy			Station 2 Sandy			Station 3 Muddy Sand		
	1st Transect	2nd Transect	3rd Transect	1st Transect	2nd Transect	3rd Transect	1st Transect	2nd Transect	3rd transect
<i>Rhizophora mucronata</i>	2	1	3	2	2	0	3	1	1
<i>Avicennia marina</i>	0	0	0	0	1	0	0	0	1

Source: Result analysis (2022)

**Table 3.** Differences in the Size of the Rhizophora Mangrove Vegetation Stems (cm)

Sta	Sediment Texture	Mangrove tree size (cm)					Average	SD
		1	2	3	4	5		
1	Substrate Muddy	8,30	8,50	10,40	9,50	8,00	8,94	0,99
2	Substrate Sandy	8,50	10,00	10,00	5,00	8,00	8,30	2,05
3	Substrate Muddy sand	7,00	8,00	11,00	11,00	13,50	9,50	2,60

Source: Result analysis (2022)

**Table 4.** Composition of gastropods found at the study site at each observation station

No	Species	Composition/type of substrate									Amount
		Muddy			Sandy			Muddy sand			
		1	2	3	1	2	3	1	2	3	
1	<i>C. aurisfelis</i>	50	53	46	15	8	9	30	33	29	273
2	<i>C. nucleus</i>	55	45	59	25	17	8	28	27	23	287
3	<i>L. articulata</i>	8	4	6	0	1	0	5	3	0	27
4	<i>N. violacea</i>	26	30	33	14	16	10	20	18	25	192
5	<i>C. obtusa</i>	2	0	0	0	0	1	3	2	0	8
6	<i>T. telescopium</i>	7	12	9	2	5	0	5	3	6	49
7	<i>T. palustris</i>	30	26	39	15	17	14	25	33	29	238
Amount		178	171	192	72	64	42	116	119	112	

Amount (ind)	541	178	347
Amount (%)	51	17	32
Average/station (ind)	25,5	25,7	27,4
	10	9,1	5,6
	23,7	17	16

Source: Result analysis (2022)

**Table 5.** Results from Average Density for Gastropods found at the study site.

No	Station	Gastropod Density (ind/m <sup>2</sup> )
1	Muddy	7,20
2	Sandy	2,36
3	Muddy sand	4,62
	Summary	14,18
	Average	4,72

Source: Result analysis (2022)

**Table 6.** The average results of Diversity Index (H'), Uniformity (E), and Dominance (C).

No	Station	Indicator					
		Diversity		Uniformity		Dominance	
		H'	Category H'	E	Category E	C	Category C
1	Muddy	1,59	Medium	0,81	High to medium	0,227	ND
2	Sandy	1,49	Medium	0,76	High to medium	0,243	ND
3	Muddy sand	1,59	Medium	0,81	High to medium	0,221	ND

Source: Result analysis (2022)

Information : H' = Wilhm (1975), E = Krebs (1985), C = Odum (1993), ND = No Domination

**Table 7.** The abundance of Research Results at various Stations

No	Bubu	The abundance of mud crabs (ind/bubu)		
		Station 1	Station 2	Station 3
1	1	2	1	0
2	2	1	1	0
3	3	0	0	2
	Average	1,00	0,66	0,66

Source: Result analysis (2022)

**Table 8.** Data of Male and Female Mud Crab *Scylla* spp.

	Station	Gender		Amount
		Male	Female	
1	1	2	1	3
2	2	2	0	2
3	3	1	1	2
	Amount	5	2	7

Source: Result analysis (2022)

**Table 9.** Data on Carapace Size and Weight of Mud Crab (*Scylla* spp.)

No	Station	Carapace length, cm (Individual weight, grams)		
		Bubu 1	Bubu 2	Bubu 3
1	1	0	0	6,4 and 7,5 (48,2 and 73,5)
2	2	8,5 and 7,3 (117,9 and 63,0)	0	0

