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LAMPIRAN

Lampiran 1. Persentase Tutupan Bentik (*life form*) Karang di Masing-Masing Lokasi Penelitian

No.	Kategori Bentik	Lokasi Penelitian				Kisaran	Rata-Rata	SE
		Pulau Samalona (%)	Pulau Kayangan (%)	Gusung Tallang (%)	Pulau Lae-Lae (%)			
1.	Coral (Hc)	15,00	5,53	3,00	7,67	3,00 - 15,00	7,80	3,87
2.	Recent Dead Coral (Dc)	0,67	0	0	0	0,00 - 0,67	0,67	0,82
3.	Dead Coral With Algae (Dca)	29,87	27,93	15,60	27,27	15,60 - 29,87	25,17	5,47
4.	Soft Coral (Sc)	1,60	0,40	0,07	12,27	0,07 - 12,27	3,58	1,26
5.	Sponge (Sp)	2,00	4,00	1,73	1,73	1,73 - 4,00	2,37	1,41
6.	Fleshy Seaweed (Fs)	1,93	1,27	1,67	0,60	0,60 - 1,93	1,37	1,39
7.	Other Biota (Ot)	5,00	7,47	3,73	0,27	0,27 - 7,47	4,12	2,24
8.	Rubble (R)	30,80	4,80	23,53	9,40	4,80 - 30,80	17,13	5,55
9.	Sand (S)	7,40	21,67	25,80	11,87	7,40 - 25,80	16,68	2,72
10.	Silt (Si)	5,73	26,67	24,73	28,93	5,73 - 28,93	21,52	2,39
11.	Rock (Rk)	0	0,27	0,13	0	0,00 - 0,27	0,20	0

Lampiran 2. Hasil Analisis PCA (Principal Component Analysis)

Eigenvectors:

	F1	F2	F3
HC	0,336	0,135	-0,031
DC	0,296	0,212	0,114
DCA	0,221	0,123	-0,337
SC	0,122	-0,358	-0,204
SP	-0,160	0,273	-0,291
FS	0,054	0,311	0,313
OT	-0,105	0,410	-0,044
Ph	0,259	0,066	-0,308
DO	0,157	-0,382	-0,067
CONDUCTIVITY	-0,190	-0,105	0,374
KEKERUHAN	-0,323	-0,173	-0,039
SUHU	0,148	-0,342	-0,207
SALINITAS	0,332	-0,148	-0,019
TDS	-0,226	-0,037	-0,355
TSS	-0,310	-0,191	-0,089
KLOROFIL	0,147	0,252	-0,323
NITRAT	-0,310	0,130	-0,175
FOSFAT	-0,258	0,076	-0,307

Factor loadings:

	F1	F2	F3
HC	0,947	0,314	-0,067
DC	0,836	0,492	0,245
DCA	0,625	0,285	-0,726
SC	0,345	-0,829	-0,439
SP	-0,453	0,632	-0,628
FS	0,152	0,722	0,675
OT	-0,296	0,950	-0,095
Ph	0,732	0,152	-0,664

DO	0,444	-0,885	-0,145
CONDUCTIVITY	-0,536	-0,245	0,808
KEKERUHAN	-0,912	-0,401	-0,084
SUHU	0,416	-0,792	-0,446
SALINITAS	0,938	-0,344	-0,040
TDS	-0,637	-0,087	-0,766
TSS	-0,876	-0,444	-0,191
KLOROFIL	0,414	0,585	-0,697
NITRAT	-0,876	0,300	-0,377
FOSFAT	-0,728	0,176	-0,662

Correlations between variables and factors:

	F1	F2	F3
HC	0,947	0,314	-0,067
DC	0,836	0,492	0,245
DCA	0,625	0,285	-0,726
SC	0,345	-0,829	-0,439
SP	-0,453	0,632	-0,628
FS	0,152	0,722	0,675
OT	-0,296	0,950	-0,095
Ph	0,732	0,152	-0,664
DO	0,444	-0,885	-0,145
CONDUCTIVITY	-0,536	-0,245	0,808
KEKERUHAN	-0,912	-0,401	-0,084
SUHU	0,416	-0,792	-0,446
SALINITAS	0,938	-0,344	-0,040
TDS	-0,637	-0,087	-0,766
TSS	-0,876	-0,444	-0,191
KLOROFIL	0,414	0,585	-0,697
NITRAT	-0,876	0,300	-0,377
FOSFAT	-0,728	0,176	-0,662

Lampiran 3. Hasil Analisis Regresi Pengaruh Kekeruhan Terhadap Tutupan Karang

SUMMARY
OUTPUT

Regression Statistics	
Multiple R	0,984215
R Square	1
Adjusted R Square	0,968679
Standard Error	3
Observations	0,953019
	1,1196455
	4

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	77,54258	77,54258	61,85562	0,015784909
Residual	2	2,507212	1,253606		
Total	3	1	1		
		80,0498			

Lampiran 4. Hasil Analisis regresi Pengaruh TDS terhadap tutupan karang

SUMMARY
OUTPUT

Regression Statistics	
Multiple R	0,8383642
R Square	0,7028545
Adjusted R Square	0,5542818
Standard Error	3,4486546
Observations	4

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	56,263363	56,263363	4,7307097	0,16163581
Residual	2	23,786437	11,893218		
Total	3	80,0498			

Lampiran 5. Hasil Analisis Regresi pengaruh Nitrat Terhadap Tutupan Karang

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,8989291
R Square	0,8080735
Adjusted R Square	0,7121103
Standard Error	2,771613
Observations	4

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	64,686123	64,686123	8,4206564	0,101070909
Residual	2	15,363677	7,6818386		
Total	3	80,0498			

Lampiran 6. Hasil Analisis Regresi pengaruh Fosfat Terhadap Tutupan Karang

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,8588857
R Square	0,7376846
Adjusted R Square	0,6065269
Standard Error	3,2402386
Observations	4

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	59,051507	59,051507	5,6244103	0,1411143
Residual	2	20,998293	10,499146		
Total	3	80,0498			

Lampiran 7. Hasil Analisis Regresi Pengaruh TSS terhadap Tutupan Karang

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,9840836
R Square	0,9684206
Adjusted R Square	0,9526309
Standard Error	1,1242614
Observations	4

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	77,521873	77,521873	61,332361	0,015916382
Residual	2	2,5279272	1,2639636		
Total	3	80,0498			

Lampiran 8. Analisis Axial Luar (Outer Axial) Menggunakan *independent samples t-student* Karang *Acropora* sp.

a) *Acropora donei*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Outer axial Acropora hoksemai	Keruh	10	3.850	.4007	.1267
	Jernih	10	2.723	.2909	.0920

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Outer axial Acropora hoksemai	Equal variances assumed	1.565	.227	7.198	18	.000	1.1270	.1566	.7980	1.4560
	Equal variances not assumed			7.198	16.425	.000	1.1270	.1566	.7958	1.4582

b) *Acropora muricata*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Outer axial Acropora muricata	Keruh	10	3.470	1.0001	.3162
	Jernih	10	4.223	1.2225	.3866

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Outer axial Acropora muricata	Equal variances assumed	1.701	.209	-1.508	18	.149	-.7530	.4995	-1.8024	.2964
	Equal variances not assumed			-1.508	17.319	.150	-.7530	.4995	-1.8053	.2993

c) *Acropora millepora*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Outer axial Acropora millepora	Keruh	10	3.470	1.2392	.3919
	Jernih	10	5.363	1.8942	.5990

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Outer axial Acropora millepora	Equal variances assumed	1.243	.279	-2.645	18	.016	-1.8930	.7158	-3.3968	-.3892
	Equal variances not assumed			-2.645	15.511	.018	-1.8930	.7158	-3.4143	-.3717

Lampiran 9. Analisis Inner Axial (axial Dalam) Menggunakan *independent samples t-student* Karang *Acropora* sp.

a) *Acropora donei*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Inner axial Acropora donei	Keruh	10	1.870	.3129	.0989
	Jernih	10	1.389	.1058	.0334

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Inner axial Acropora donei	Equal variances assumed	16.975	.001	4.606	18	.000	.4810	.1044	.2616	.7004
	Equal variances not assumed			4.606	11.031	.001	.4810	.1044	.2512	.7108

b) *Acropora muricata*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Inner axial Acropora muricata	Keruh	10	1.492	.2361	.0747
	Jernih	10	2.035	.7930	.2508

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Inner axial Acropora muricata	Equal variances assumed	5.547	.030	-2.075	18	.053	-.5430	.2617	-1.0927	.0067
	Equal variances not assumed			-2.075	10.583	.063	-.5430	.2617	-1.1217	.0357

c) *Acropora millepora*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Inner axial Acropora millepora	Keruh	10	2.860	1.0824	.3423
	Jernih	10	2.372	1.1619	.3674

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Inner axial Acropora millepora	Equal variances assumed	.006	.939	.972	18	.344	.4880	.5021	-.5670	1.5430
	Equal variances not assumed			.972	17.910	.344	.4880	.5021	-.5673	1.5433

Lampiran 10. Analisis Septa axial Menggunakan *independent samples t-student* Karang *Acropora* sp

a). *Acropora donei*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Septa axial Aropora donei	Keruh	10	.2900	.08485	.02683
	Jernih	10	.2970	.10242	.03239

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Septa axial Aropora donei	Equal variances assumed	.019	.891	-.166	18	.870	-.00700	.04206	-.09536	.08136
	Equal variances not assumed			-.166	17.398	.870	-.00700	.04206	-.09558	.08158

b). *Acropora muricata*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Septa axial Aropora muricata	Keruh	10	.3220	.06779	.02144
	Jernih	10	.4923	.16351	.05171

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Septa axial Aropora muricata	Equal variances assumed	4.828	.041	-3.043	18	.007	-.17030	.05597	-.28790	-.05270
	Equal variances not assumed			-3.043	12.005	.010	-.17030	.05597	-.29225	-.04835

c). *Acropora millepora*

Group Statistics

	Stasiun Pengamatan	N	Mean	Std. Deviation	Std. Error Mean
Septa axial Aropora millepora	Keruh	10	.3340	.06899	.02182
	Jernih	10	.3131	.08045	.02544

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Septa axial Aropora millepora	Equal variances assumed	.065	.801	.624	18	.541	.02090	.03351	-.04951	.09131
	Equal variances not assumed			.624	17.591	.541	.02090	.03351	-.04963	.09143

Lampiran 11. Laju Pertumbuhan (Tinggi)) Karang *Acropora donei* pada masing-masing stasiun pengamatan selama 7 kali monitoring

Tinggi *Acropora donei* (mm)							
Stasiun	**T1**	**T2**	**T3**	**T4**	**T5**	**T6**	**T7**
1	0.60	0.46	2.45	2.19	1.49	2.51	2.83
1	0.48	1.15	3.50	2.50	1.77	2.77	3.04
1	0.86	0.81	3.48	2.55	1.16	2.64	3.07
1	0.71	0.52	1.81	1.50	1.01	1.65	1.93
1	1.03	1.77	6.81	4.66	1.81	3.00	3.62
2	0.57	0.95	1.98	1.45	0.91	1.55	1.87
2	0.19	1.16	2.48	1.61	1.01	1.64	2.96
2	0.14	2.86	4.52	3.06	2.15	3.09	5.09
2	0.31	1.52	3.79	2.80	1.89	3.50	3.50
2	0.31	0.41	0.38	0.61	0.38	0.64	0.67
3	0.71	1.96	3.45	2.38	1.50	2.42	2.02
3	0.98	1.34	2.62	1.63	0.95	2.14	2.98
3	1.24	1.45	2.76	2.14	1.59	2.83	3.52
3	1.90	2.98	5.64	4.09	2.70	4.43	4.97
3	1.83	2.61	4.36	3.08	2.13	3.78	4.61

Lampiran 12. Laju Pertumbuhan (Tinggi)) Karang *Acropora muricata* pada masing-masing stasiun pengamatan selama 7 kali monitoring

Tinggi *Acropora muricata* (mm)							
Stasiun	**T1**	**T2**	**T3**	**T4**	**T5**	**T6**	**T7**
1	0.50	1.29	2.55	1.84	1.44	2.34	2.75
1	0.86	1.54	3.24	2.20	1.37	2.24	2.60
1	1.38	2.07	4.29	2.75	1.52	2.98	3.39
1	0.90	1.93	4.86	4.10	1.57	2.49	3.05
1	1.52	2.25	3.76	2.98	1.41	2.56	2.79
2	0.36	0.93	2.52	1.90	2.25	2.02	2.61
2	0.57	0.68	1.84	1.88	3.03	2.92	2.52
2	0.33	0.64	0.95	0.55	0.96	0.76	1.23
2	1.29	3.80	6.14	4.74	4.30	4.39	4.67
2	0.14	0.36	0.48	0.33	0.89	0.51	0.70
3	1.10	1.89	3.95	2.76	3.51	2.51	2.42
3	2.36	2.91	4.95	2.54	3.27	1.75	2.48
3	1.43	2.30	3.52	2.59	3.59	2.79	4.05
3	0.79	1.57	2.88	1.83	3.23	2.11	2.35
3	2.07	2.41	4.19	2.56	4.15	3.77	5.13

Lampiran 13. Laju Pertumbuhan (Tinggi)) Karang *Acropora millepora* pada masing-masing stasiun pengamatan selama 7 kali monitoring

Acropora millepora (mm)							
Stasiun	**T1**	**T2**	**T3**	**T4**	**T5**	**T6**	**T7**
1	0.90	1.36	2.52	1.83	1.37	1.96	2.95
1	1.67	3.02	5.30	4.62	2.55	4.19	4.56
1	0.12	0.39	1.07	1.56	1.30	2.37	3.13
1	1.48	2.00	3.90	2.84	2.35	3.84	4.05
1	1.43	1.79	3.81	2.75	1.77	2.73	2.81
2	0.63	2.51	6.19	4.00	2.29	4.52	4.82
2	0.38	0.61	1.29	1.00	0.63	1.09	1.23
2	0.74	1.57	2.45	1.68	1.38	2.16	1.56
2	0.21	1.05	2.60	1.80	1.39	2.10	3.06
2	0.52	0.79	1.48	1.08	0.75	1.35	0.65
3	1.17	1.55	2.81	2.23	1.41	2.89	1.91
3	0.86	2.59	5.76	4.04	2.27	3.71	4.98
3	1.21	1.48	2.71	2.54	1.39	2.29	2.59
3	0.38	1.00	1.90	1.81	1.16	2.03	2.64
3	0.98	1.09	2.48	2.51	1.66	2.82	2.96

Lampiran 14. Laju Pertumbuhan (Lebar)) Karang *Acropora donei* pada masing-masing stasiun pengamatan selama 7 kali monitoring

Acropora donei (mm)							
Stasiun	**T1**	**T2**	**T3**	**T4**	**T5**	**T6**	**T7**
1	1.67	1.68	3.95	3.20	2.06	3.33	2.51
1	0.86	1.71	3.00	2.33	1.62	2.33	0.67
1	0.57	1.75	3.05	2.48	2.01	2.89	2.53
1	0.48	0.89	1.90	2.25	1.27	2.18	2.28
1	0.94	1.48	3.22	2.45	1.85	3.05	4.09
2	0.24	1.02	1.98	1.60	1.00	1.71	3.10
2	0.29	0.45	1.19	1.10	0.81	2.62	3.14
2	0.33	1.09	2.45	2.15	1.22	2.02	2.43
2	0.24	2.57	4.07	3.03	1.73	2.62	3.46
2	0.14	0.29	0.81	0.74	0.49	0.83	1.27
3	0.50	1.04	1.86	1.30	0.75	0.85	0.65
3	1.00	1.16	2.43	1.76	1.22	2.29	2.82
3	0.60	1.07	2.02	1.25	1.33	3.18	4.30
3	0.45	0.63	1.55	2.06	1.55	3.14	3.73
3	0.83	1.79	3.90	2.88	1.97	3.91	5.44

Lampiran 15. Laju Pertumbuhan (Lebar)) Karang *Acropora muricata* pada masing-masing stasiun pengamatan selama 7 kali monitoring

Acropora muricata (mm)							
Stasiun	**T1**	**T2**	**T3**	**T4**	**T5**	**T6**	**T7**
1	0.50	1.54	3.24	1.08	1.56	2.33	4.91
1	0.86	1.48	3.05	2.34	1.89	2.71	4.82
1	0.71	1.07	2.14	1.50	0.51	0.91	2.02
1	0.69	1.07	1.79	1.31	0.79	1.41	3.42
1	0.48	1.07	1.90	1.69	1.52	2.55	3.77
2	0.14	1.59	4.31	2.63	1.65	2.90	2.90
2	0.27	1.45	2.63	2.34	1.67	0.80	2.57
2	1.81	1.50	0.10	1.25	0.66	1.13	1.26
2	0.32	2.18	4.67	3.82	2.88	5.05	5.75
2	0.10	0.86	1.95	1.40	0.72	1.11	1.25
3	0.64	0.80	2.79	2.03	1.34	2.56	1.51
3	1.55	0.61	2.62	2.25	1.65	2.45	2.63
3	1.02	1.20	3.26	2.00	1.37	2.91	4.61
3	1.07	0.70	3.52	2.31	1.80	3.32	3.73
3	1.07	0.50	3.86	2.75	2.03	4.18	5.88

Lampiran 16. Laju Pertumbuhan (Lebar)) Karang *Acropora millepora* pada masing-masing stasiun pengamatan selama 7 kali monitoring

Acropora millepora (mm)							
Stasiun	T1	T2	T3	T4	T5	T6	T7
1	1.00	1.79	3.21	2.63	1.96	3.27	3.16
1	0.94	1.77	3.83	3.09	2.14	3.88	3.75
1	0.69	1.20	3.02	1.84	1.50	2.88	2.87
1	0.90	1.82	4.02	2.40	1.53	2.65	2.82
1	0.24	0.50	1.57	1.35	0.81	1.35	1.74
2	0.22	2.64	4.87	3.33	2.33	3.98	4.25
2	0.10	0.32	0.81	0.80	0.56	1.13	1.44
2	0.14	0.54	1.07	1.25	0.76	1.31	2.02
2	0.38	1.13	2.24	1.54	1.09	2.21	3.15
2	0.26	0.57	0.98	1.09	0.82	1.28	1.41
3	1.12	1.45	2.83	1.86	1.26	2.67	1.48
3	1.07	1.91	4.55	2.84	1.97	3.12	3.57
3	0.95	1.29	2.62	1.75	1.35	2.95	3.95
3	1.55	1.89	2.55	1.84	1.47	2.15	2.21
3	0.83	0.95	1.86	1.45	1.50	2.59	3.57

Lampiran 17. Analisis ANOVA Laju Pertumbuhan (Tinggi dan Lebar) karang uji masing-masing stasiun pengamatan selama 7 kali monitoring

Laju pertumbuhan (Tinggi) *Acropora donei*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
T1 Acropora donei	Between Groups	2.664	2	1.332	11.525	.002
	Within Groups	1.387	12	.116		
	Total	4.051	14			
T2 Acropora donei	Between Groups	3.222	2	1.611	2.933	.092
	Within Groups	6.590	12	.549		
	Total	9.812	14			
T3 Acropora donei	Between Groups	3.792	2	1.896	.721	.506
	Within Groups	31.570	12	2.631		
	Total	35.362	14			
T4 Acropora donei	Between Groups	1.956	2	.978	.880	.440
	Within Groups	13.339	12	1.112		
	Total	15.296	14			
T5 Acropora donei	Between Groups	.658	2	.329	.891	.436
	Within Groups	4.431	12	.369		

	Total	5.089	14			
T6 Acropora donei	Between Groups	2.709	2	1.355	1.573	.247
	Within Groups	10.335	12	.861		
	Total	13.044	14			
T7 Acropora donei	Between Groups	1.951	2	.976	.634	.547
	Within Groups	18.455	12	1.538		
	Total	20.406	14			

T1 Acropora donei

Student-Newman-Keuls[a]

		Subset for alpha = 0.05	
STASIUN	N	1	2
Stasiun 2	5	.3040	
Stasiun 1	5	.7360	
Stasiun 3	5		1.3320
Sig.		.068	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Laju pertumbuhan (Lebar) *Acropora donei*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
T1 Acropora donei	Between Groups	1.109	2	.555	5.952	.016
	Within Groups	1.118	12	.093		
	Total	2.227	14			
T2 Acropora donei	Between Groups	.517	2	.258	.696	.517
	Within Groups	4.454	12	.371		
	Total	4.971	14			
T3 Acropora donei	Between Groups	2.281	2	1.141	1.134	.354
	Within Groups	12.068	12	1.006		
	Total	14.350	14			
T4 Acropora donei	Between Groups	1.940	2	.970	2.074	.168
	Within Groups	5.611	12	.468		
	Total	7.551	14			
T5 Acropora donei	Between Groups	1.273	2	.637	3.662	.057
	Within Groups	2.086	12	.174		

	Total	3.359	14			
T6 Acropora donei	Between Groups	1.917	2	.958	1.332	.300
	Within Groups	8.637	12	.720		
	Total	10.554	14			
T7 Acropora donei	Between Groups	2.526	2	1.263	.692	.520
	Within Groups	21.917	12	1.826		
	Total	24.443	14			

T1 Acropora donei

Student-Newman-Keuls[a]

		Subset for alpha = 0.05	
STASIUN	N	1	2
Stasiun 2	5	.2480	
Stasiun 3	5		.6760
Stasiun 1	5		.9040
Sig.		1.000	.260

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Laju pertumbuhan (Tinggi) *Acropora muricata*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
T1 Acropora muricata	Between Groups	2.561	2	1.280	4.786	.030
	Within Groups	3.210	12	.268		
	Total	5.771	14			
T2 Acropora muricata	Between Groups	2.196	2	1.098	1.350	.296
	Within Groups	9.758	12	.813		
	Total	11.953	14			
T3 Acropora muricata	Between Groups	6.907	2	3.454	1.613	.240
	Within Groups	25.701	12	2.142		
	Total	32.608	14			
T4 Acropora muricata	Between Groups	2.054	2	1.027	.776	.482
	Within Groups	15.875	12	1.323		
	Total	17.928	14			
T5 Acropora muricata	Between Groups	11.061	2	5.530	7.466	.008
	Within Groups	8.889	12	.741		
	Total	19.949	14			

T6 Acropora muricata	Between Groups	.638	2	.319	.296	.749
	Within Groups	12.944	12	1.079		
	Total	13.582	14			
T7 Acropora muricata	Between Groups	2.242	2	1.121	.836	.457
	Within Groups	16.101	12	1.342		
	Total	18.344	14			

T1 Acropora muricata

Student-Newman-Keuls[a]

		Subset for alpha = 0.05	
STASIUN	N	1	2
Stasiun 2	5	.5380	
Stasiun 1	5	1.0320	1.0320
Stasiun 3	5		1.5500
Sig.		.157	.139

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Laju pertumbuhan (Lebar) *Acropora muricata*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
T1 Acropora muricata	Between Groups	.810	2	.405	1.866	.197
	Within Groups	2.606	12	.217		
	Total	3.416	14			
T2 Acropora muricata	Between Groups	1.459	2	.730	6.236	.014
	Within Groups	1.404	12	.117		
	Total	2.864	14			
T3 Acropora muricata	Between Groups	1.569	2	.784	.565	.583
	Within Groups	16.656	12	1.388		
	Total	18.224	14			
T4 Acropora muricata	Between Groups	1.606	2	.803	1.717	.221
	Within Groups	5.614	12	.468		
	Total	7.221	14			
T5 Acropora muricata	Between Groups	.385	2	.192	.467	.638
	Within Groups	4.947	12	.412		
	Total	5.332	14			

T6 Acropora muricata	Between Groups	3.410	2	1.705	1.181	.340
	Within Groups	17.319	12	1.443		
	Total	20.729	14			
T7 Acropora muricata	Between Groups	3.261	2	1.631	.639	.545
	Within Groups	30.629	12	2.552		
	Total	33.890	14			

T2 Acropora muricata

Student-Newman-Keuls[a]

		Subset for alpha = 0.05	
STASIUN	N	1	2
Stasiun 3	5	.7620	
Stasiun 1	5		1.2460
Stasiun 2	5		1.5160
Sig.		1.000	.236

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Laju pertumbuhan (Tinggi) *Acropora millepora*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
T1 Acropora millepora	Between Groups	1.015	2	.508	2.775	.102
	Within Groups	2.195	12	.183		
	Total	3.211	14			
T2 Acropora millepora	Between Groups	.416	2	.208	.328	.727
	Within Groups	7.607	12	.634		
	Total	8.023	14			
T3 Acropora millepora	Between Groups	.688	2	.344	.118	.890
	Within Groups	35.008	12	2.917		
	Total	35.695	14			
T4 Acropora millepora	Between Groups	1.952	2	.976	.805	.470
	Within Groups	14.556	12	1.213		
	Total	16.508	14			
T5 Acropora millepora	Between Groups	.841	2	.421	1.347	.297
	Within Groups	3.747	12	.312		
	Total	4.588	14			

T6Acropora millepora	Between Groups	1.543	2	.772	.730	.502
	Within Groups	12.686	12	1.057		
	Total	14.230	14			
T7 Acropora millepora	Between Groups	3.879	2	1.940	1.220	.329
	Within Groups	19.085	12	1.590		
	Total	22.964	14			

Laju pertumbuhan (Lebar) *Acropora millepora*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
T1 Acropora millepora	Between Groups	1.982	2	.991	16.248	.000
	Within Groups	.732	12	.061		
	Total	2.714	14			
T2 Acropora millepora	Between Groups	.596	2	.298	.646	.541
	Within Groups	5.541	12	.462		
	Total	6.137	14			
T3 Acropora millepora	Between Groups	3.568	2	1.784	1.106	.362

	Within Groups	19.358	12	1.613		
	Total	22.926	14			
T4 Acropora millepora	Between Groups	1.090	2	.545	.938	.418
	Within Groups	6.971	12	.581		
	Total	8.061	14			
T5 Acropora millepora	Between Groups	.652	2	.326	1.164	.345
	Within Groups	3.359	12	.280		
	Total	4.011	14			
T6Acropora millepora	Between Groups	2.001	2	1.001	1.227	.327
	Within Groups	9.787	12	.816		
	Total	11.789	14			
T7 Acropora millepora	Between Groups	.719	2	.359	.341	.718
	Within Groups	12.632	12	1.053		
	Total	13.350	14			

T1 Acropora millepora

Student-Newman-Keuls[a]

		Subset for alpha = 0.05		
STASIUN	N	1	2	3
Stasiun 2	5	.2200		
Stasiun 1	5		.7540	

Stasiun 3	5			1.1040
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Lampiran 18. Analisis Regresi Linier Pengaruh Kekeruhan Terhadap Laju Pertumbuhan Karang *Acropora* sp.

1. Pengaruh kekeruhan terhadap laju pertumbuhan karang *Acropora donei*

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,118794
R Square	0,014112
Adjusted R Square	-0,03778
Standard Error	0,621734
Observations	21

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0,105129	0,105129	0,271966	0,608042
Residual	19	7,344499	0,386553		
Total	20	7,449629			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	0,97254	0,52521	1,851717	0,079672	-0,12674	2,071817	-0,12674	2,071817
X Variable 1	0,023426	0,04492	0,521504	0,608042	-0,07059	0,117445	-0,07059	0,117445

2. Pengaruh kekeruhan terhadap laju pertumbuhan karang *Acropora muricata*

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,115837
R Square	0,013418
Adjusted R Square	-0,03851
Standard Error	0,536492
Observations	21

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0,074378	0,074378	0,258413	0,617064
Residual	19	5,468651	0,287824		
Total	20	5,543029			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	1,63542	0,453202	3,608589	0,001872	0,686857	2,583983	0,686857	2,583983
X Variable 1	-0,0197	0,038761	-0,50834	0,617064	-0,10083	0,061425	-0,10083	0,061425

3. Pengaruh kekeruhan terhadap laju pertumbuhan karang *Acropora millepora*

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0,006782
R Square	4,6E-05
Adjusted R Square	-0,05258
Standard Error	0,549796
Observations	21

ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	0,000264	0,000264	0,000874	0,976725
Residual	19	5,743231	0,302275		
Total	20	5,743495			

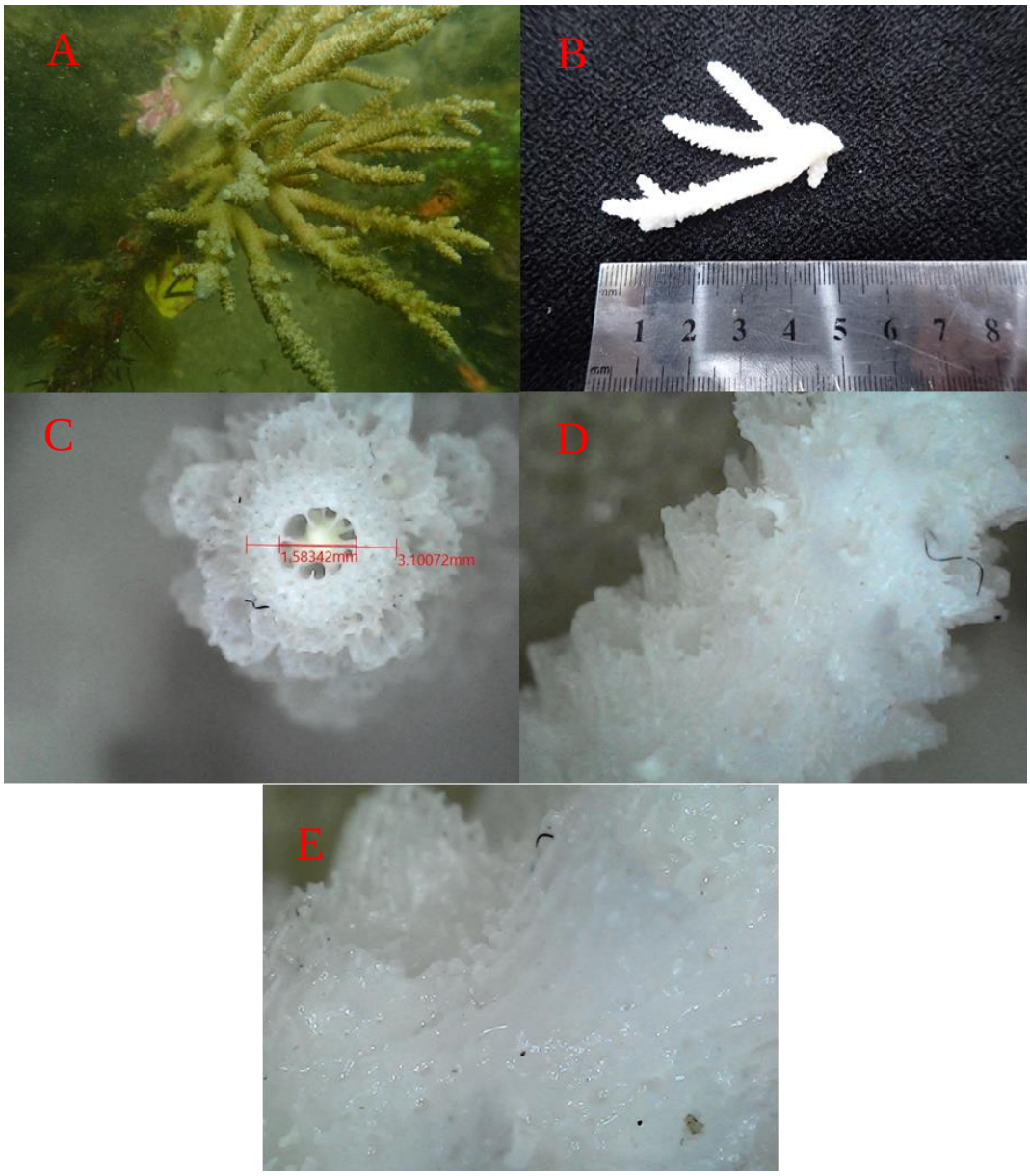
	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*Lower 95,0%*	*Upper 95,0%*
Intercept	1,40374	0,46444	3,022433	0,007005	0,431655	2,375825	0,431655	2,375825
X Variable 1	-0,00117	0,039723	-0,02956	0,976725	-0,08431	0,081966	-0,08431	0,081966

Lampiran 19. Morfologi Karang *Acropora* sp. di Perairan Keruh Kelompok Divaricata

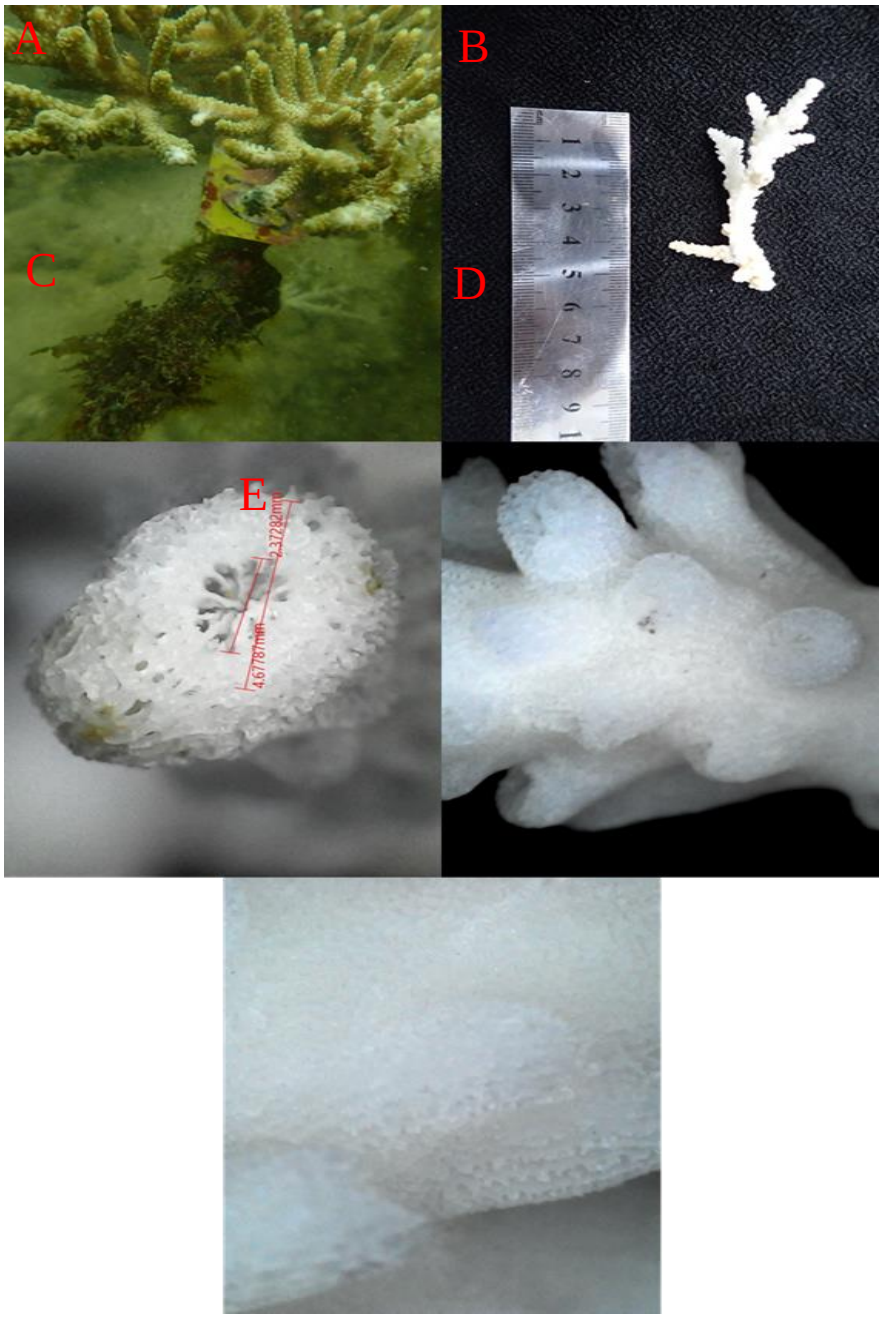
Life form umumnya bentuk *Arborescent table tubular. Oblique openings* dan *tubular, nariform openings* pada radial corallite-nya, *coenestum*-nya umumnya berbentuk *Costate* dan *simple spinules*. Serta life form-nya umumnya berbentuk *Arborescent table.*

a. *Acropora donei*

- **Stasiun 1 :** Nomor Kode: Gusung Tallang: P6180019 dan P6180020, di Makassar**.**

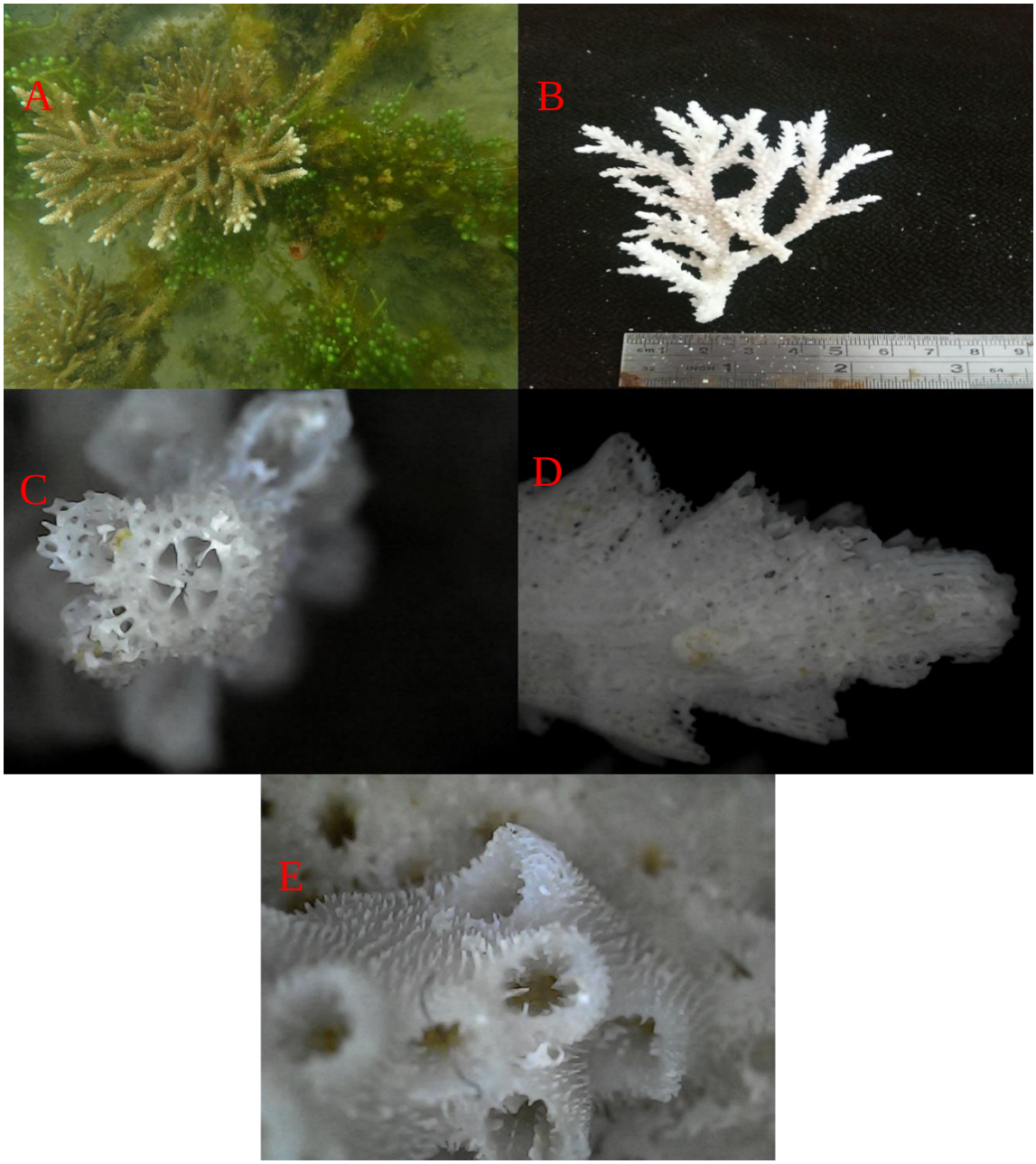


(Spesimen *Acropora donei* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 1: GusungTallang_01/P6180019 (18/06/2022)).



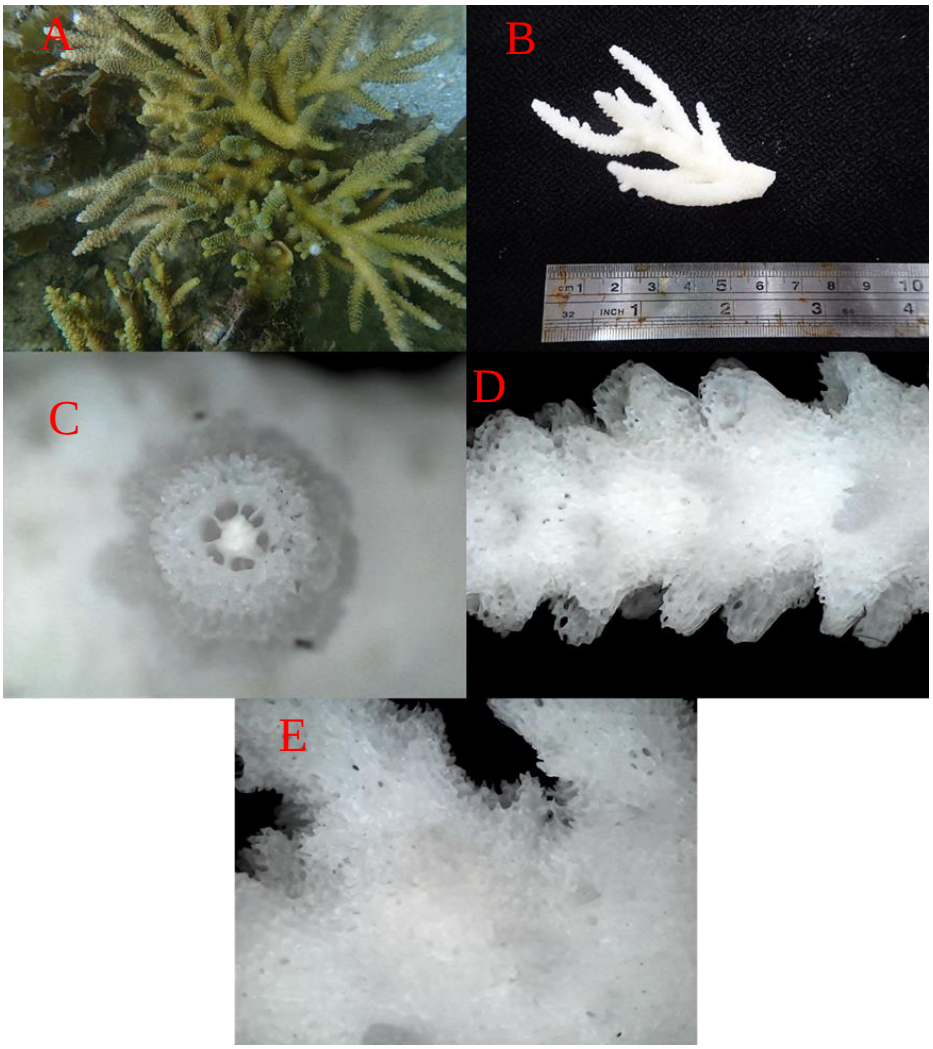
(Spesimen Acropora donei Gusung Tallang: A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 23: GusungTallang_23/P6180020 (18/06/2022)).

- **Stasiun 2 :** Nomor Kode: Gusung Tallang: P6180098, di Makassar**.**



Spesimen *Acropora donei* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 5: GusungTallang/ P6180098 (18/06/2022))

- **Stasiun 3 :** Nomor Kode: Gusung Tallang: P6180324, di Makassar.



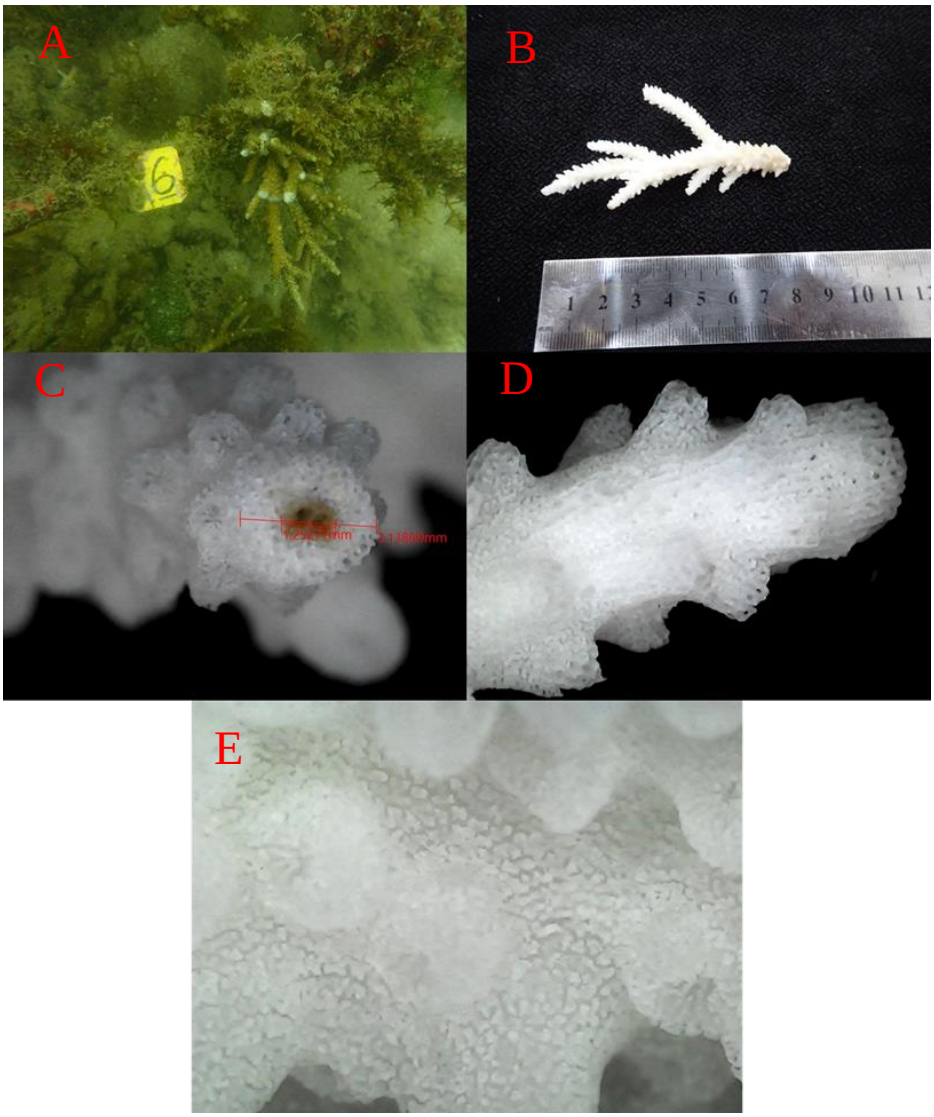
(Spesimen *Acropora donei* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 5: GusungTallang_05/ P6180324 (18/06/2022))

Lampiran 20. Morfologi Karang *Acropora* sp. di Perairan Keruh Kelompok *horrida*

Life form umumnya bentuk *Arborescent. Tubular, oblique openings* pada radial corallite-nya, *coenestum*-nya umumnya berbentuk *elaborate spinules*. Serta life form-nya umumnya berbentuk *Arborescent.*

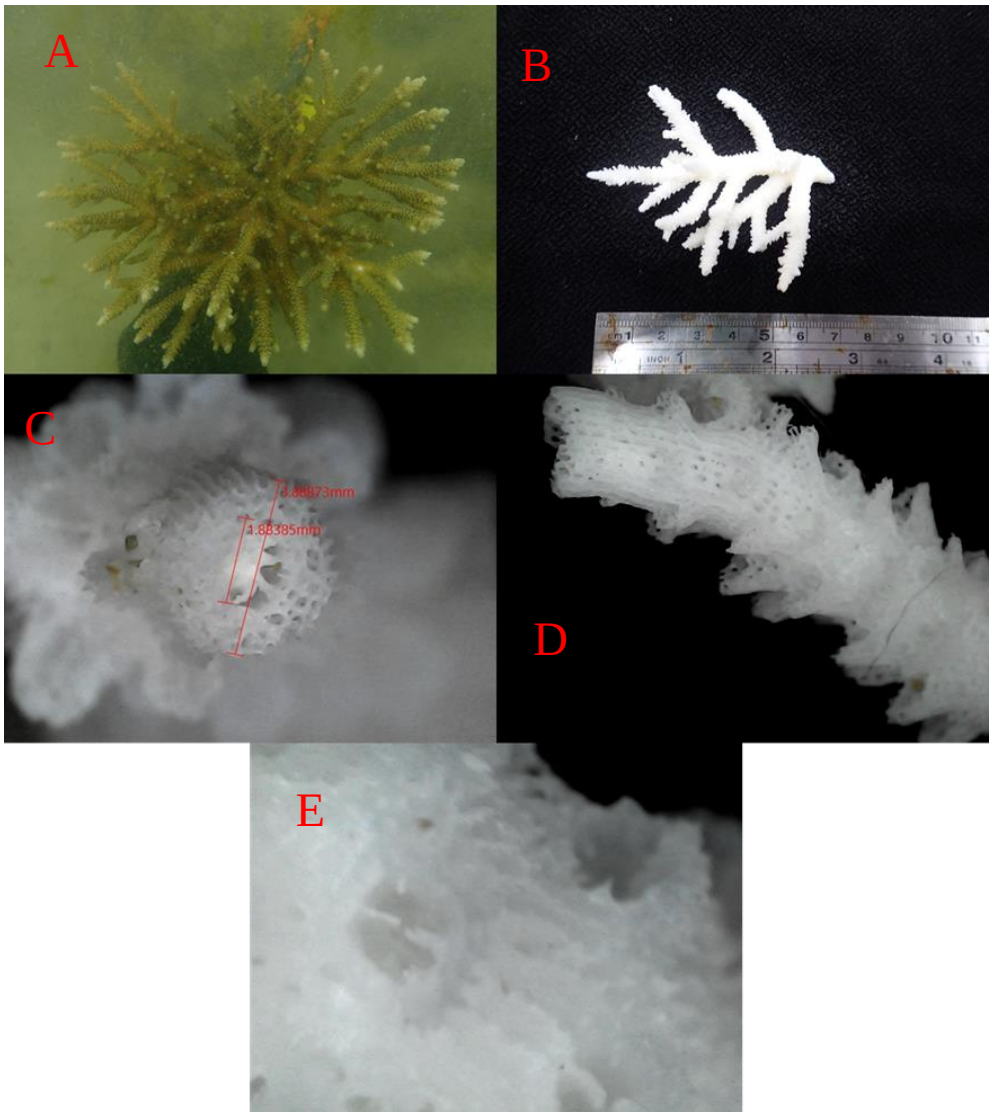
Acropora muricata

- **Stasiun 1 :** Nomor Kode: Gusung Tallang : P6180079, di Makassar.

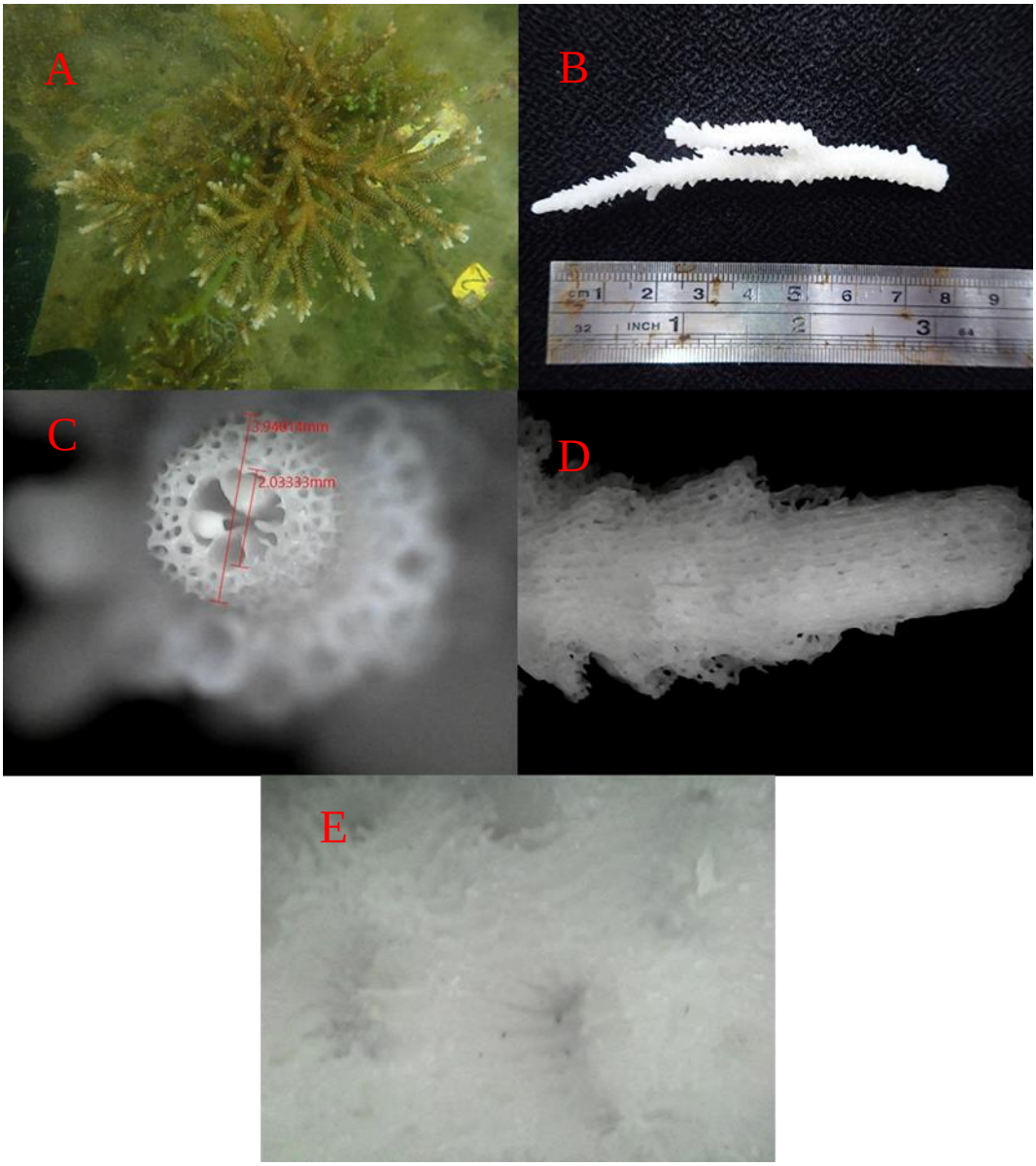


(Spesimen Acropora acuminata Gusung Tallang: A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 8: GusungTallang_08/ P6180079 (18/06/2022)).

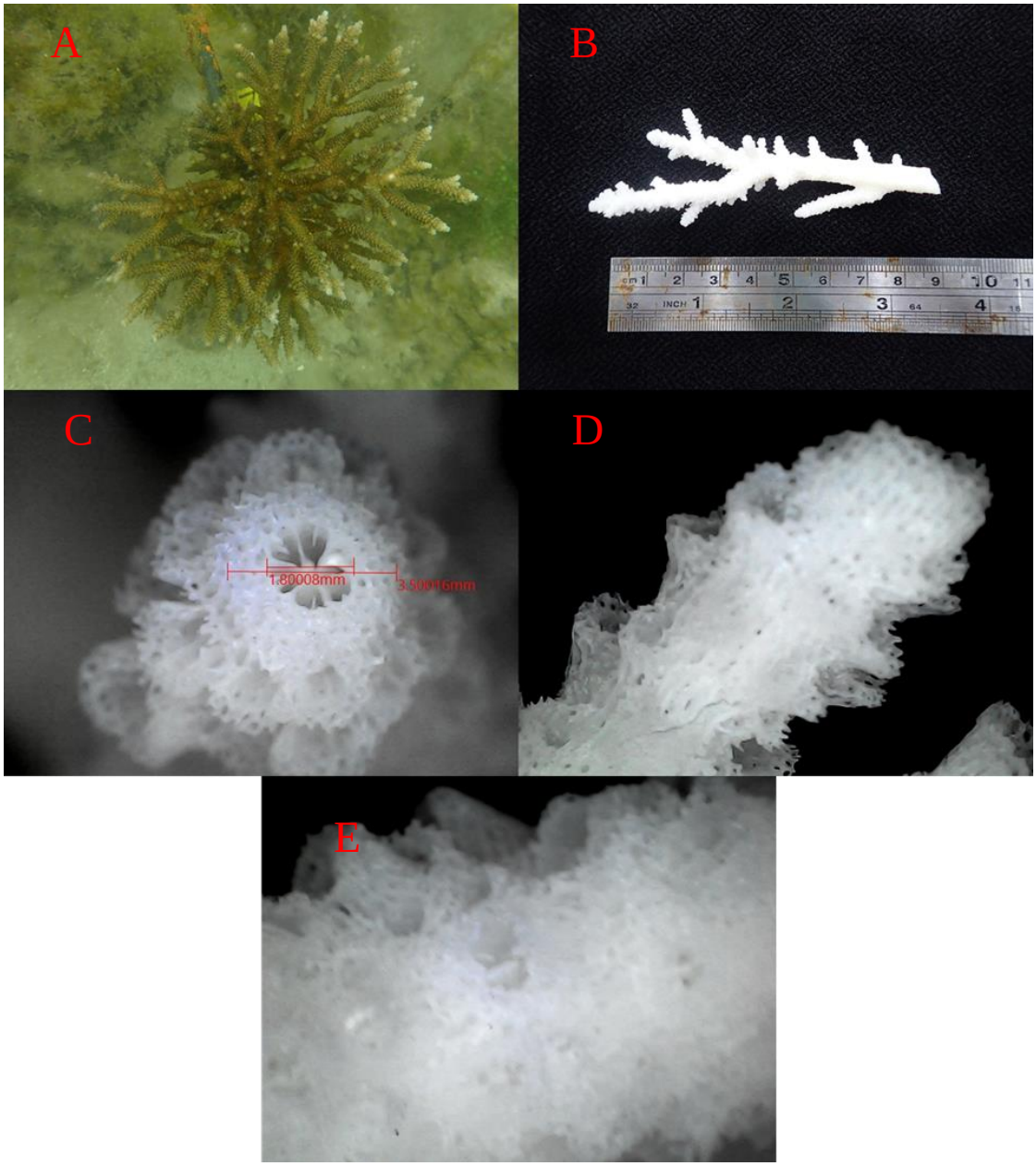
- **Stasiun 2 :** Nomor Kode: Gusung Tallang: P6180134, P6180202, dan P6180223 di Makassar.



(Spesimen *Acropora muricata* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 2: GusungTallang_02/ P6180134 (18/06/2022)).

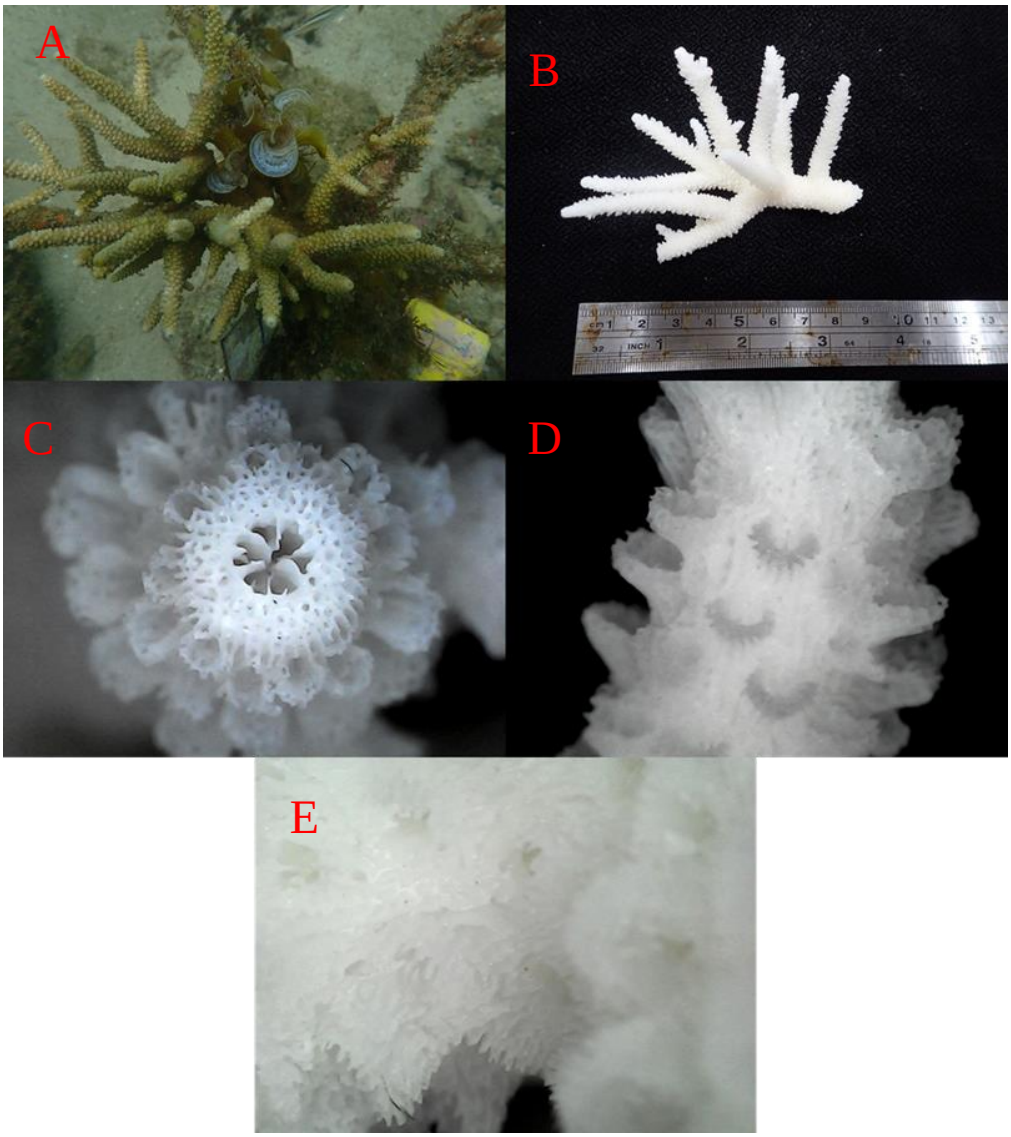


(Spesimen *Acropora muricata* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 6: GusungTallang_06/ P6180202 (18/06/2022)).

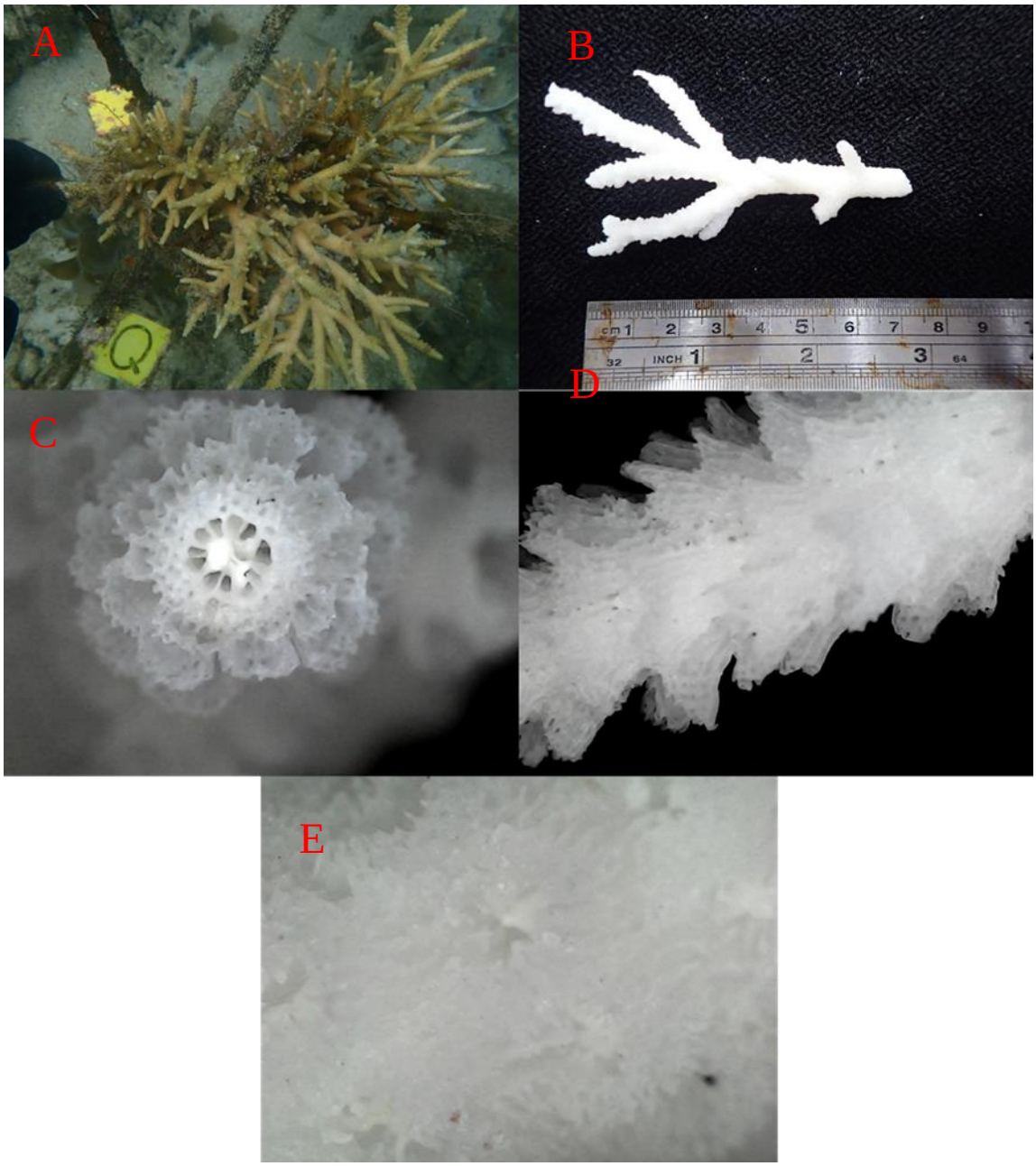


(Spesimen *Acropora muricata* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 7: GusungTallang_07/ P6180223 (18/06/2022)).

- **Stasiun 3 :** Nomor Kode: Gusung Tallang: P6180288, P6180264, dan P6180296, di Makassar**.**



(Spesimen *Acropora muricata* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 2: GusungTallang_02/ P6180288 (18/06/2022))



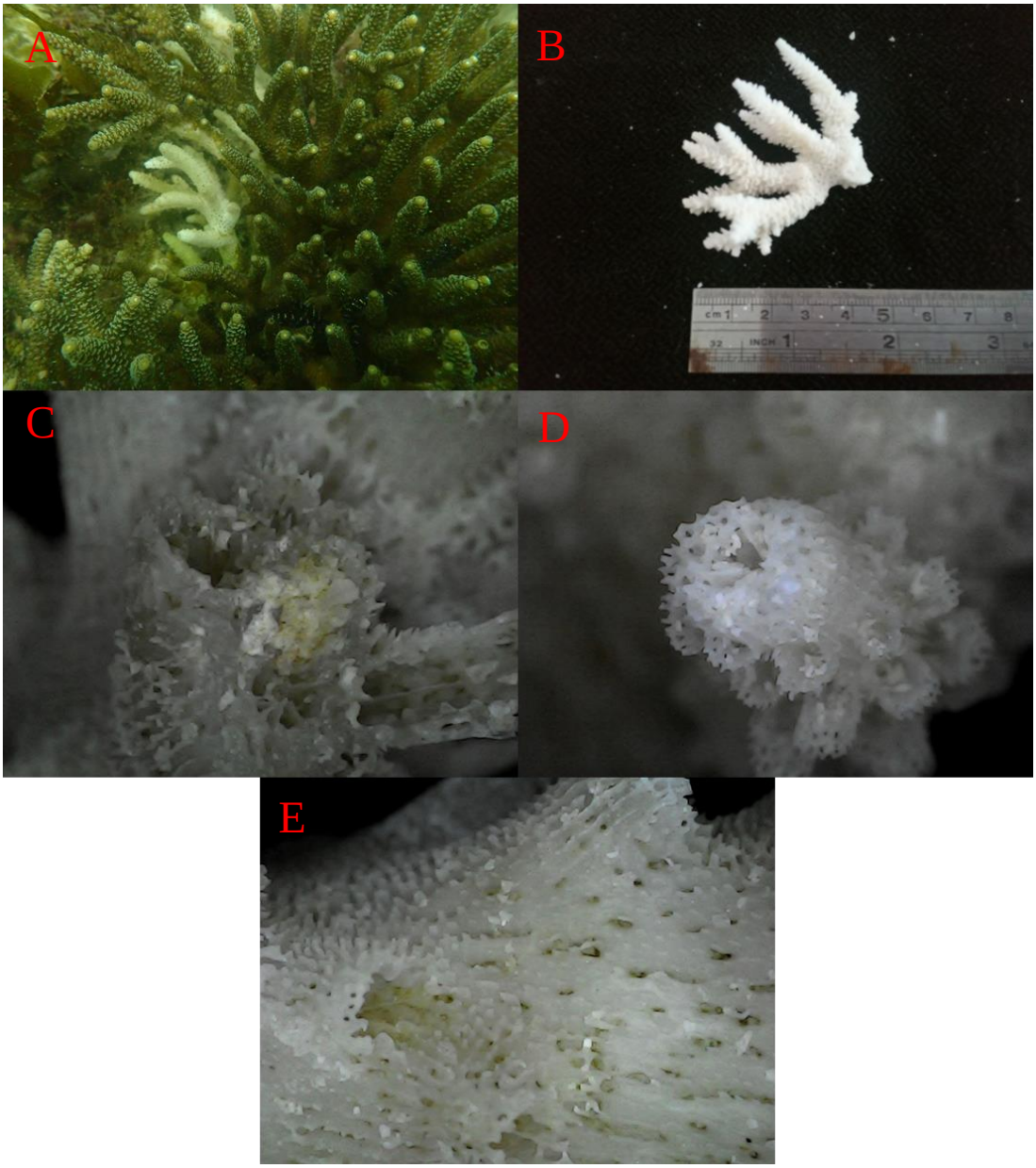
(Spesimen *Acropora muricata* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 2: GusungTallang_02/ P6180269 (18/06/2022))

Lampiran 21. Morfologi Karang *Acropora* sp. di Perairan Keruh Kelompok *Aspera*

Life form umumnya bentuk *Arborescent table tubular. Oblique openings* dan *tubular, nariform openings* pada radial corallite-nya, *coenestum*-nya umumnya berbentuk *Costate* dan *simple spinules*. Serta life form-nya umumnya berbentuk *Arborescent table.*

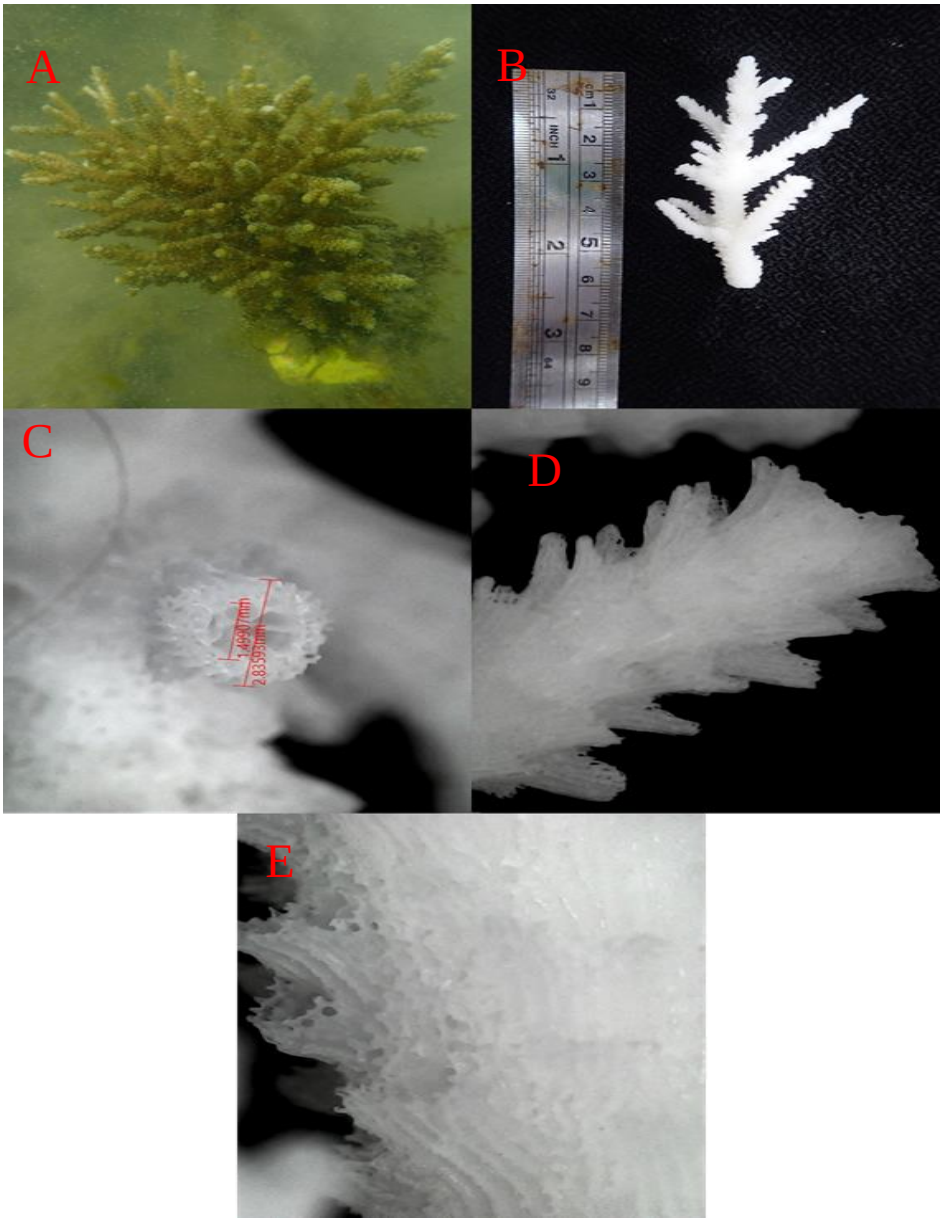
Acropora millepora

- **Stasiun 1 :** Nomor Kode: Gusung Tallang: P6180085, di Makassar.

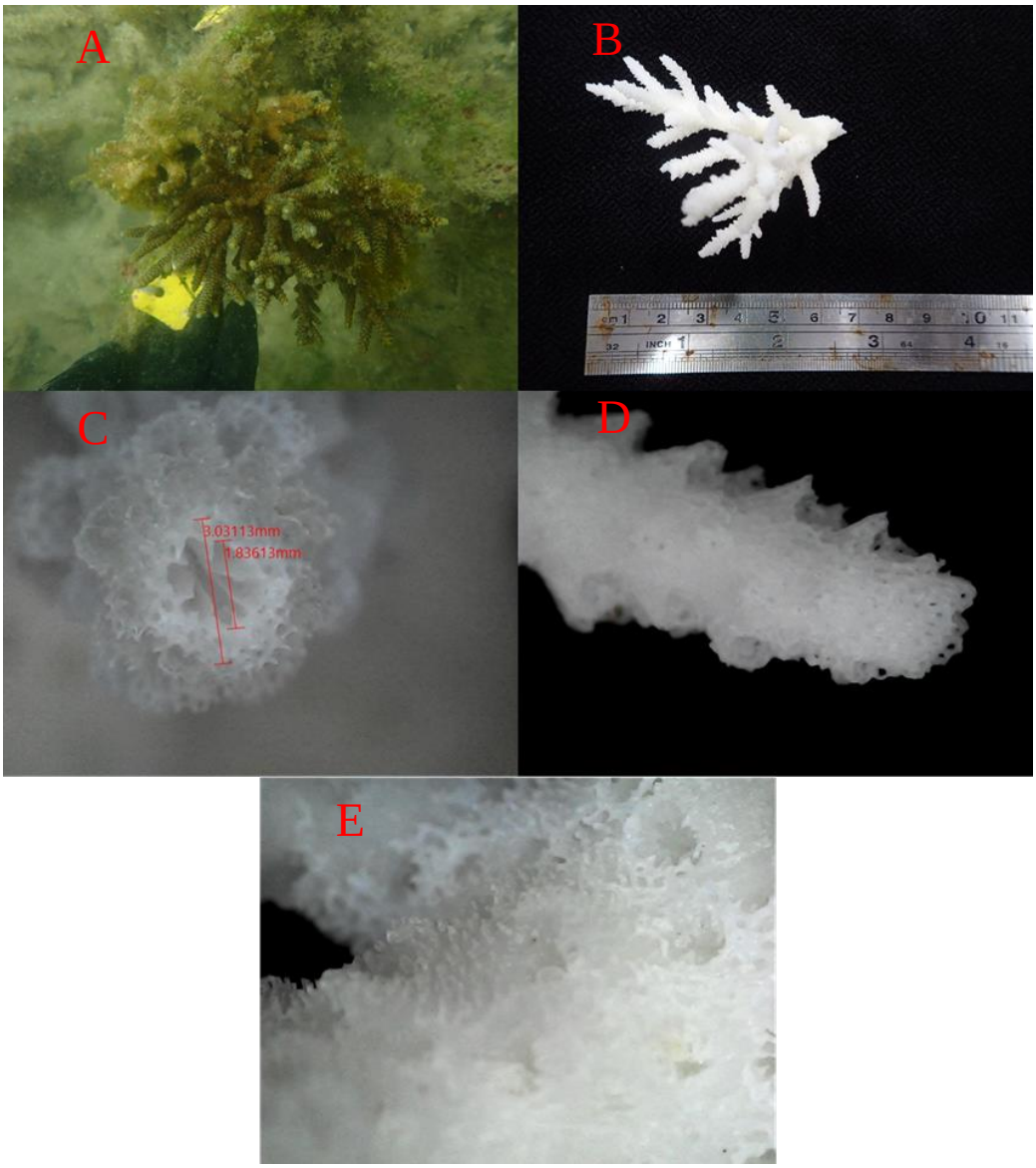


(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 1: GusungTallang/P6180085 (18/06/2022)).

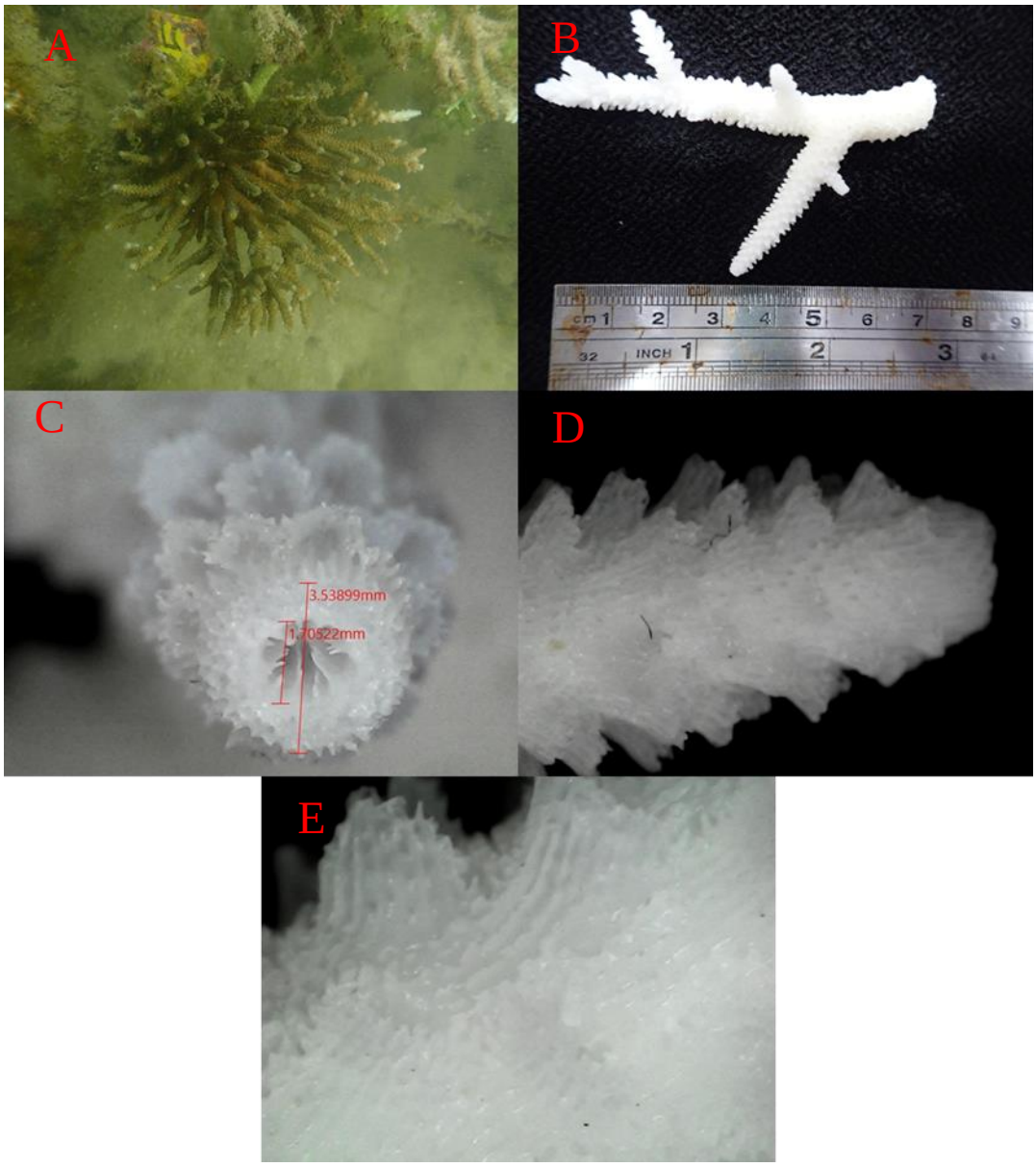
- **Stasiun 2 :** Nomor Kode: Gusung Tallang: P6180111, P6180153, dan P6180183 di Makassar.



(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 1: GusungTallang_01/ P6180111 (18/06/2022)).

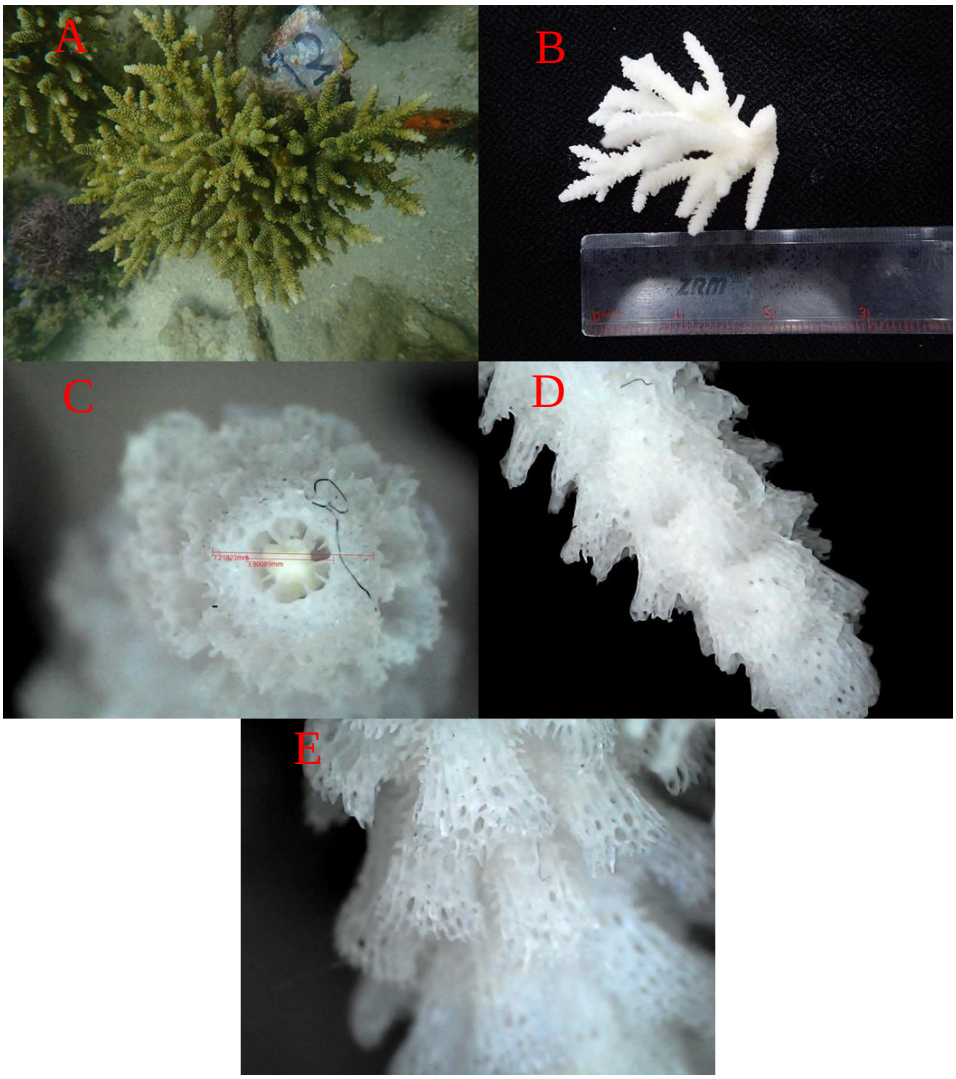


(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 3: GusungTallang_03/ P6180153 (18/06/2022)).

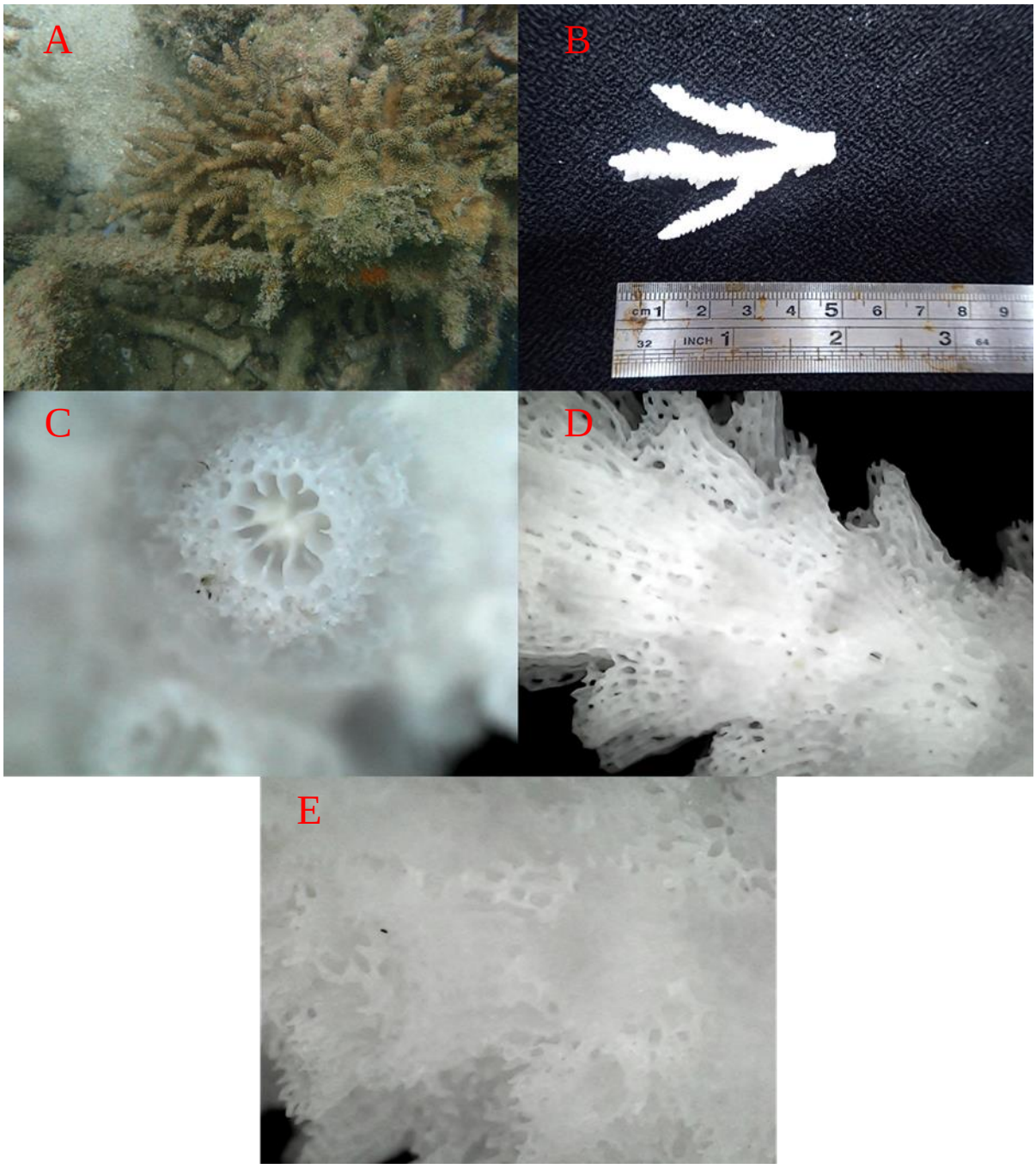


(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 5: GusungTallang_05/ P6180183 (18/06/2022)).

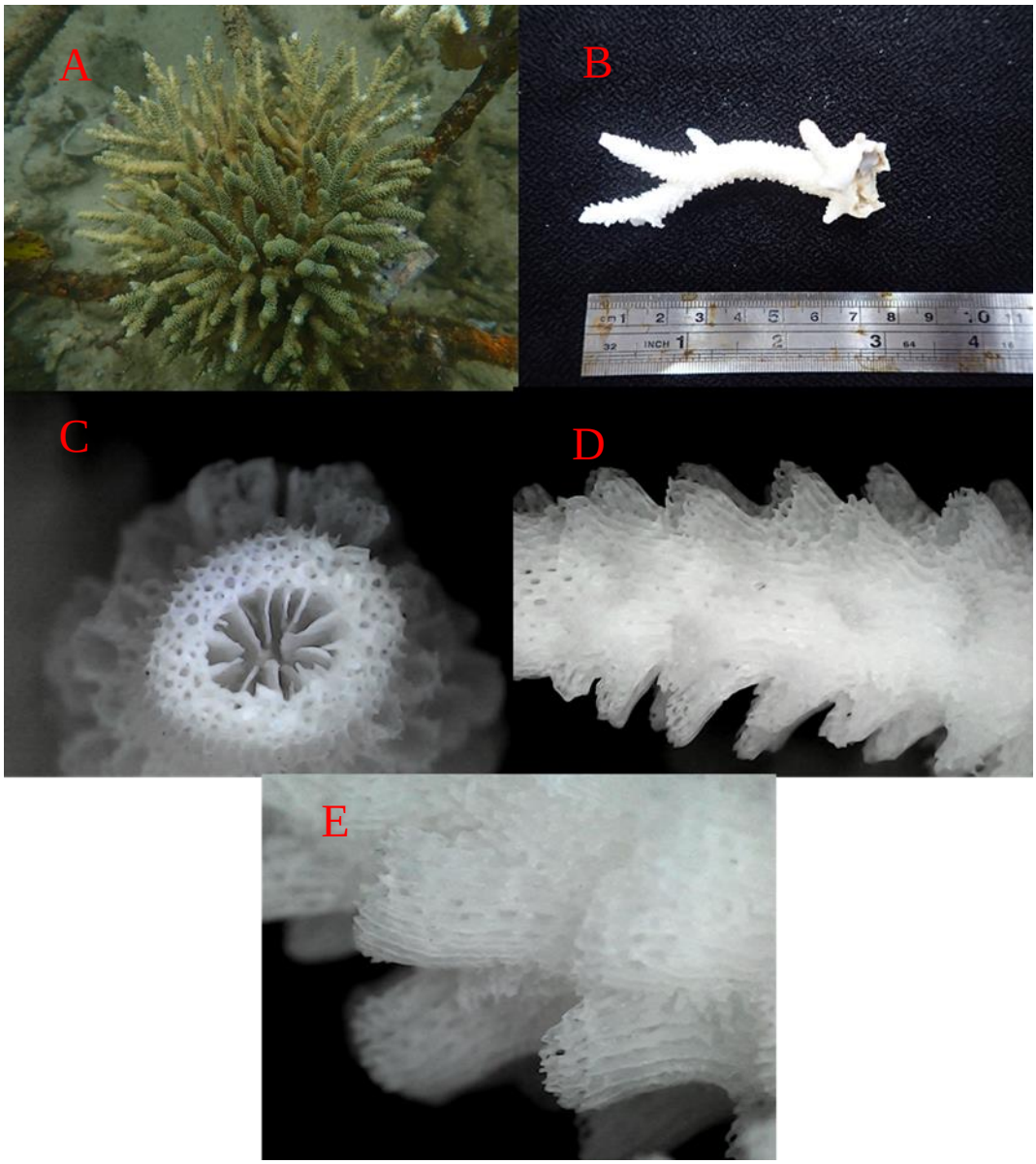
Stasiun 3 : Nomor Kode: Gusung Tallang: P6180319, P6180302, P6180306, P6180308, P6180300, P6180276, P6180280, P6180299, dan P6180315, di Makassar**.**



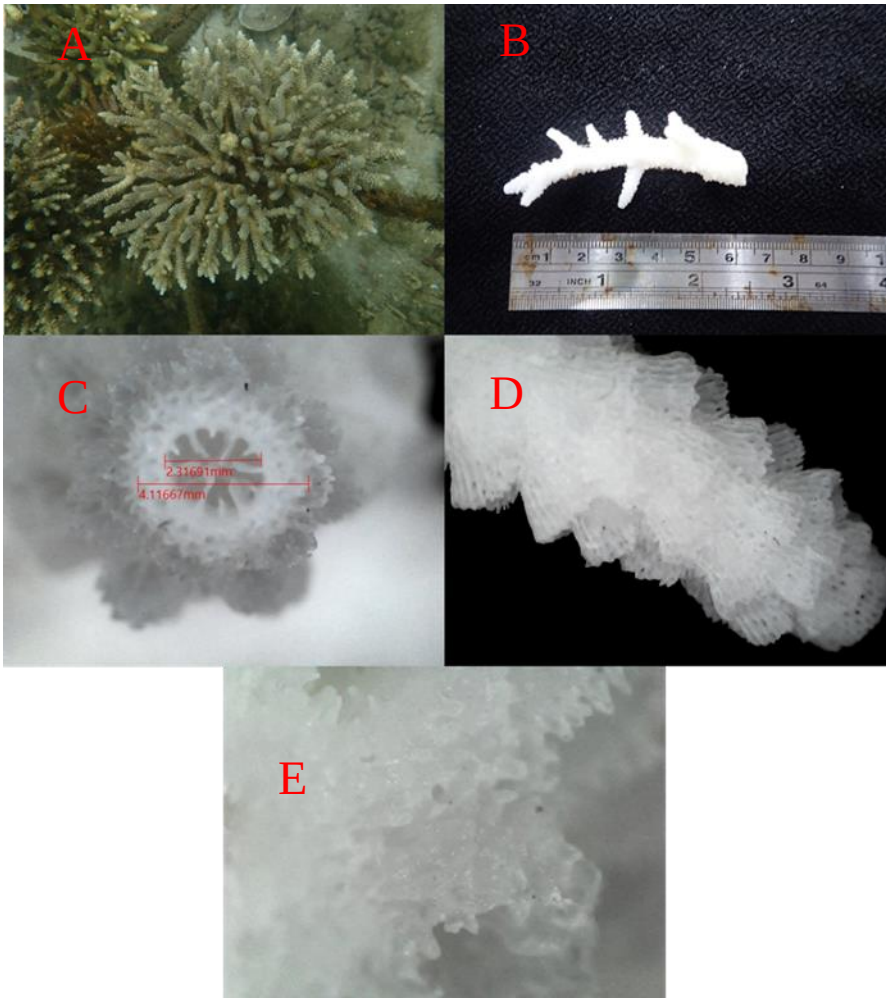
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 1: GusungTallang_01/ P6180319 (18/06/2022)).



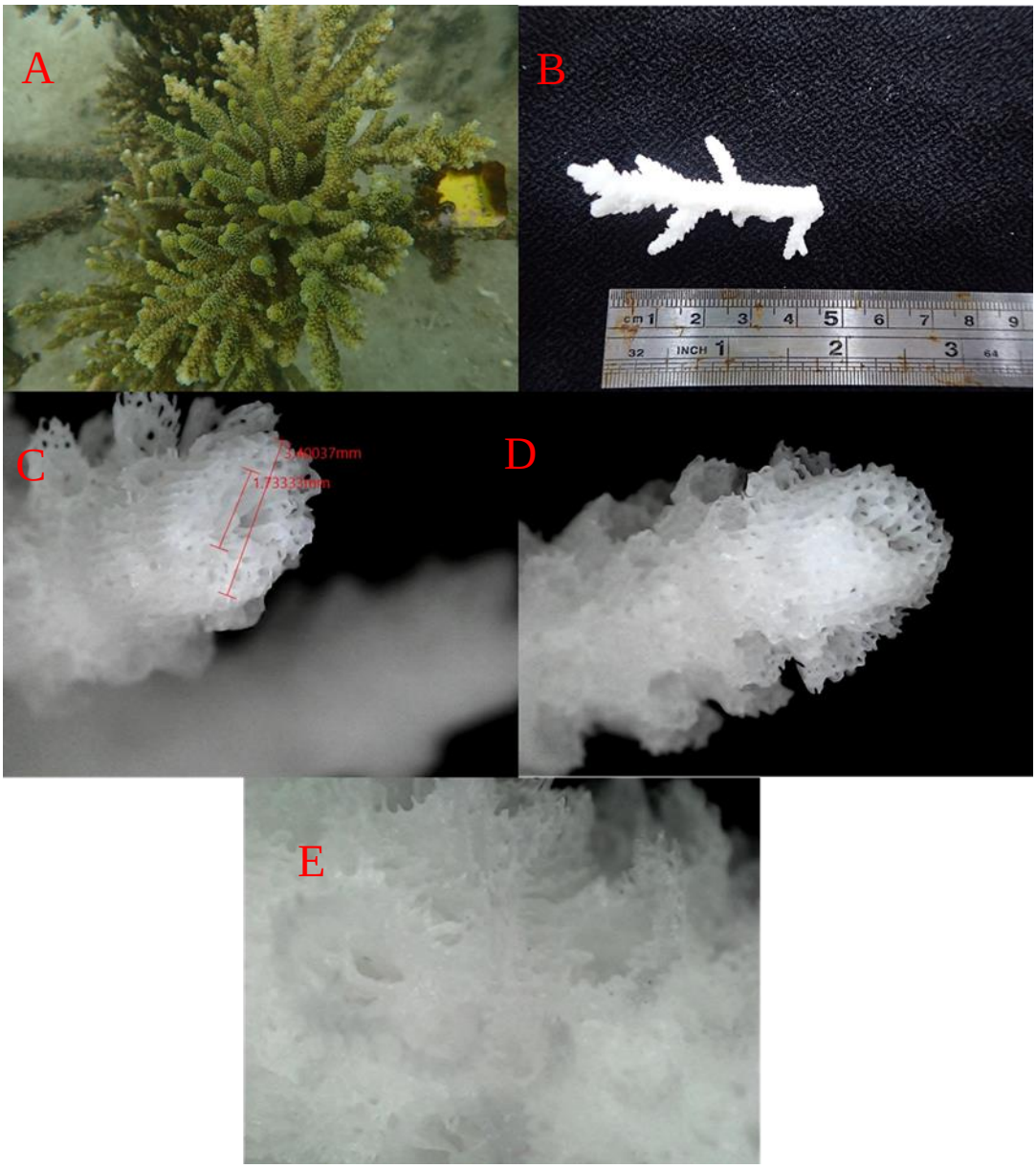
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 4: GusungTallang_04/ P6180302 (18/06/2022)).



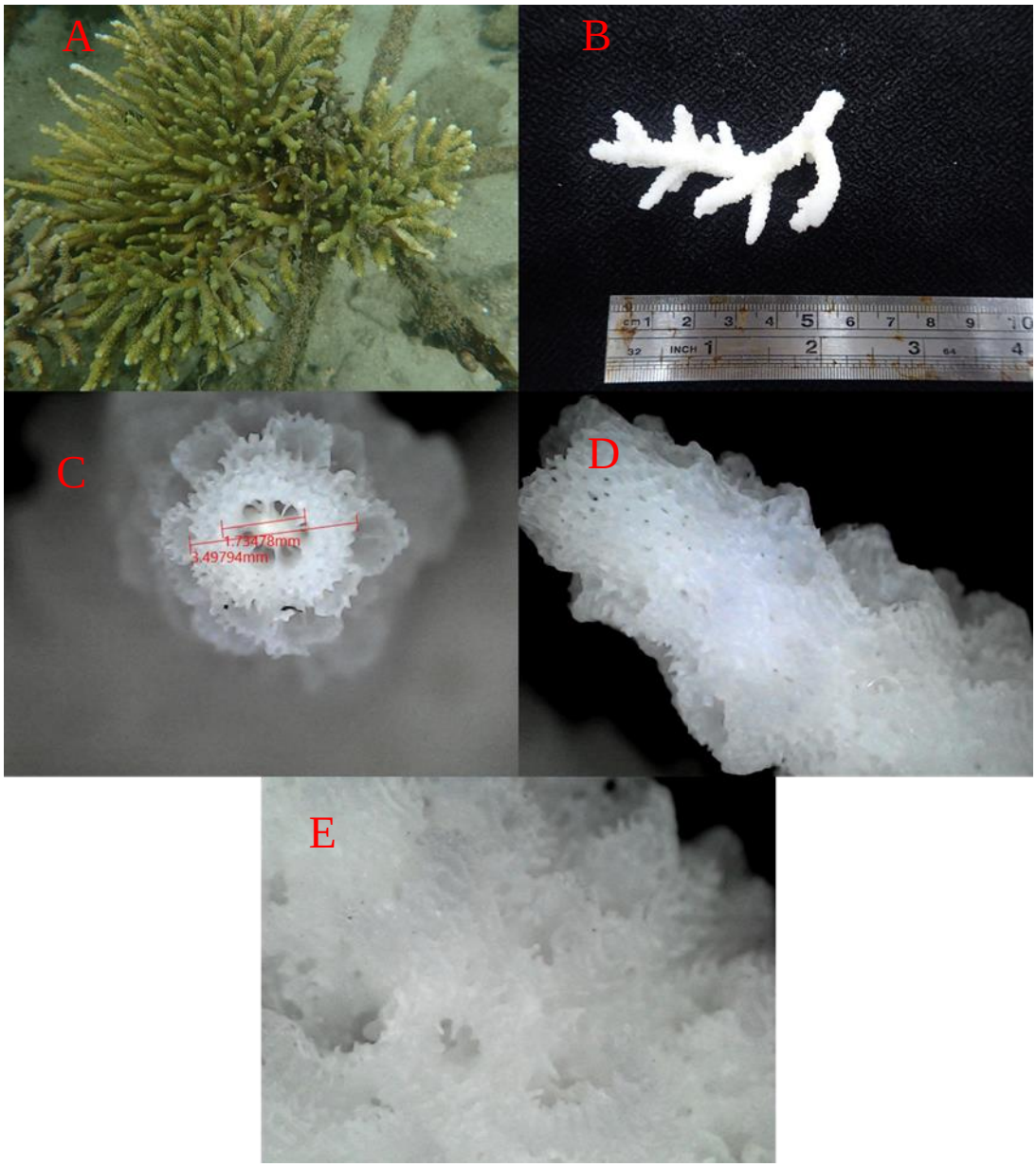
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 6: GusungTallang_06/P6180306 (18/06/2022)).



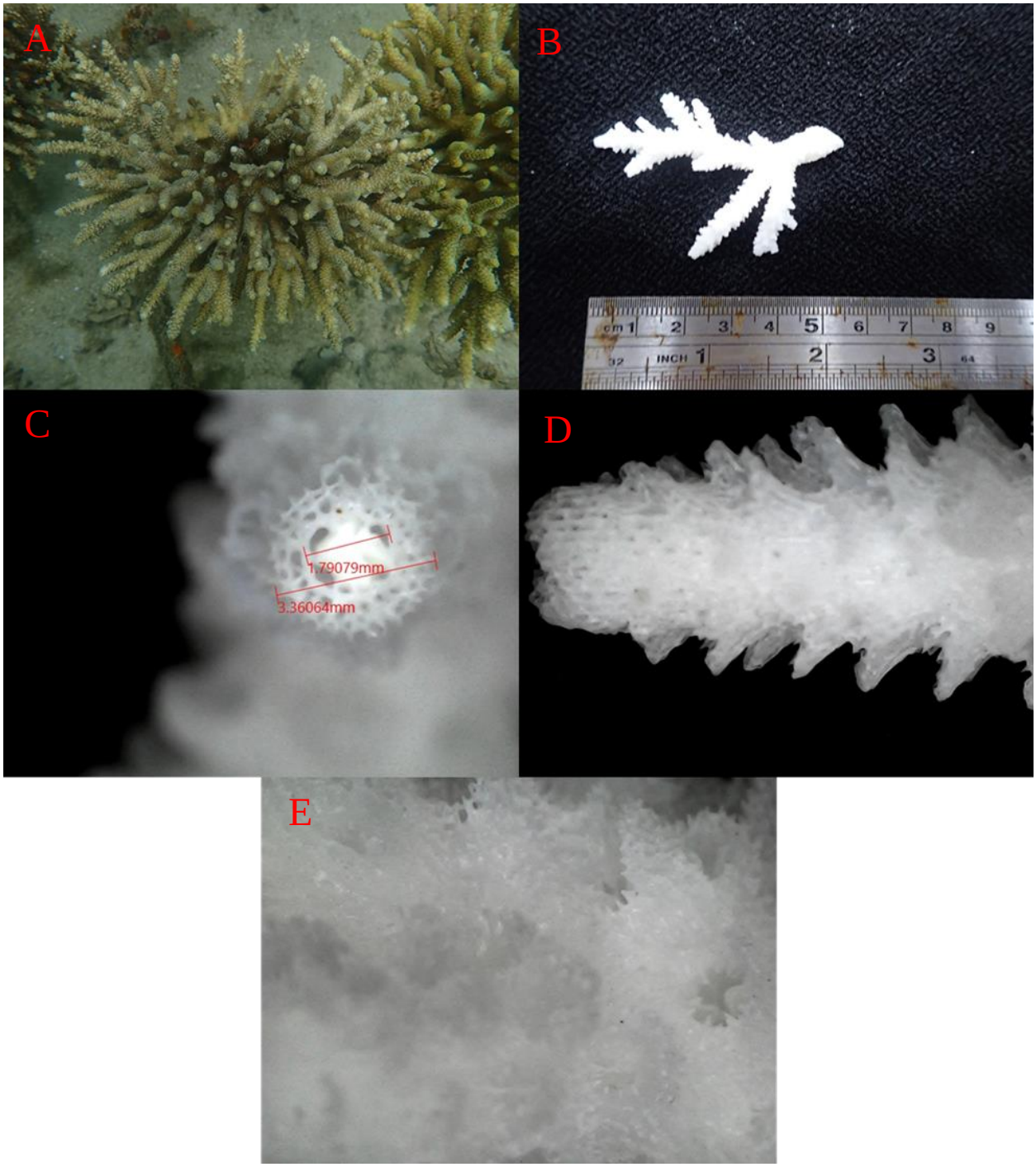
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 13: GusungTallang_13/P6180308 (18/06/2022)).



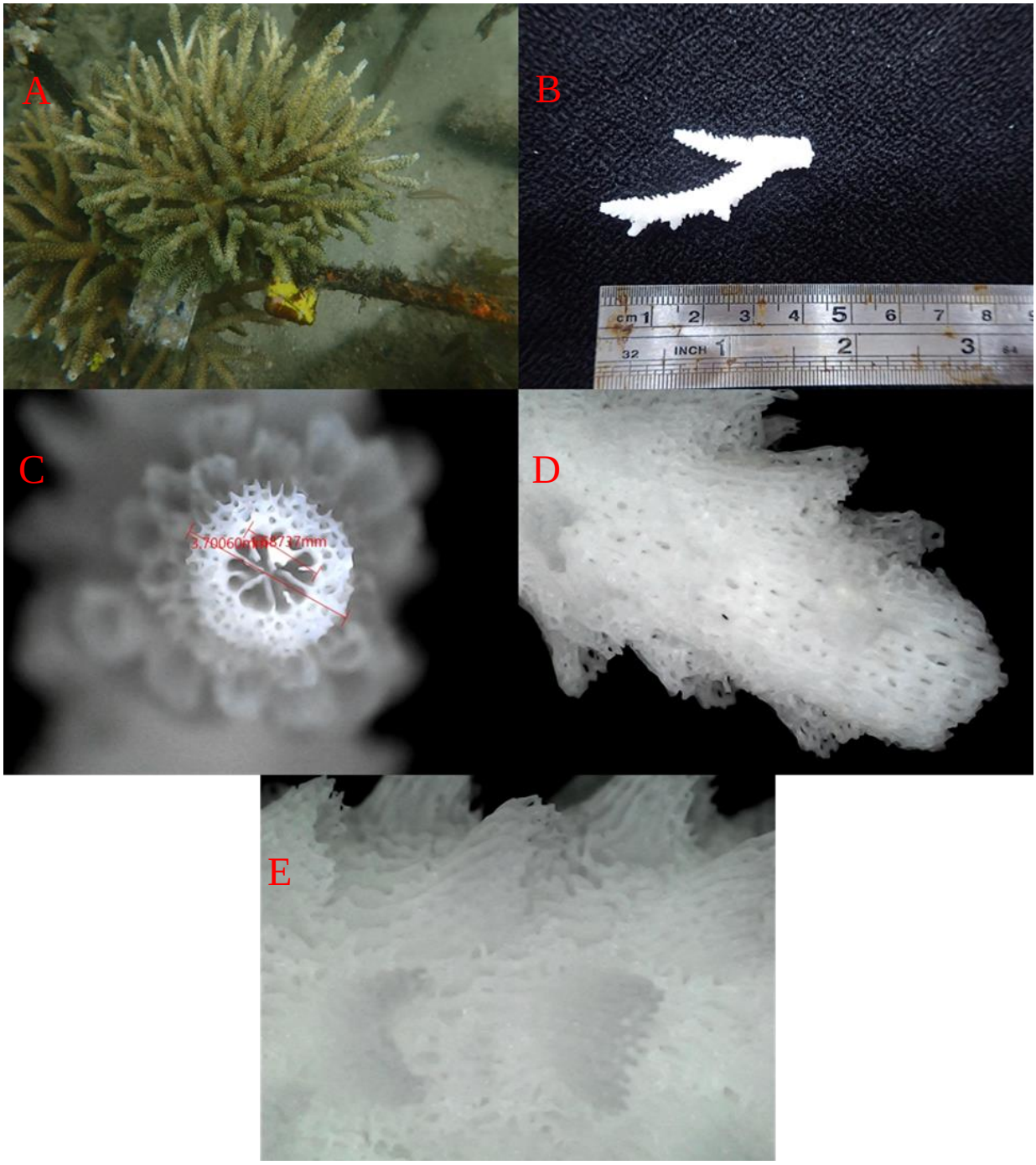
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 15: GusungTallang_15/P6180300 (18/06/2022)).



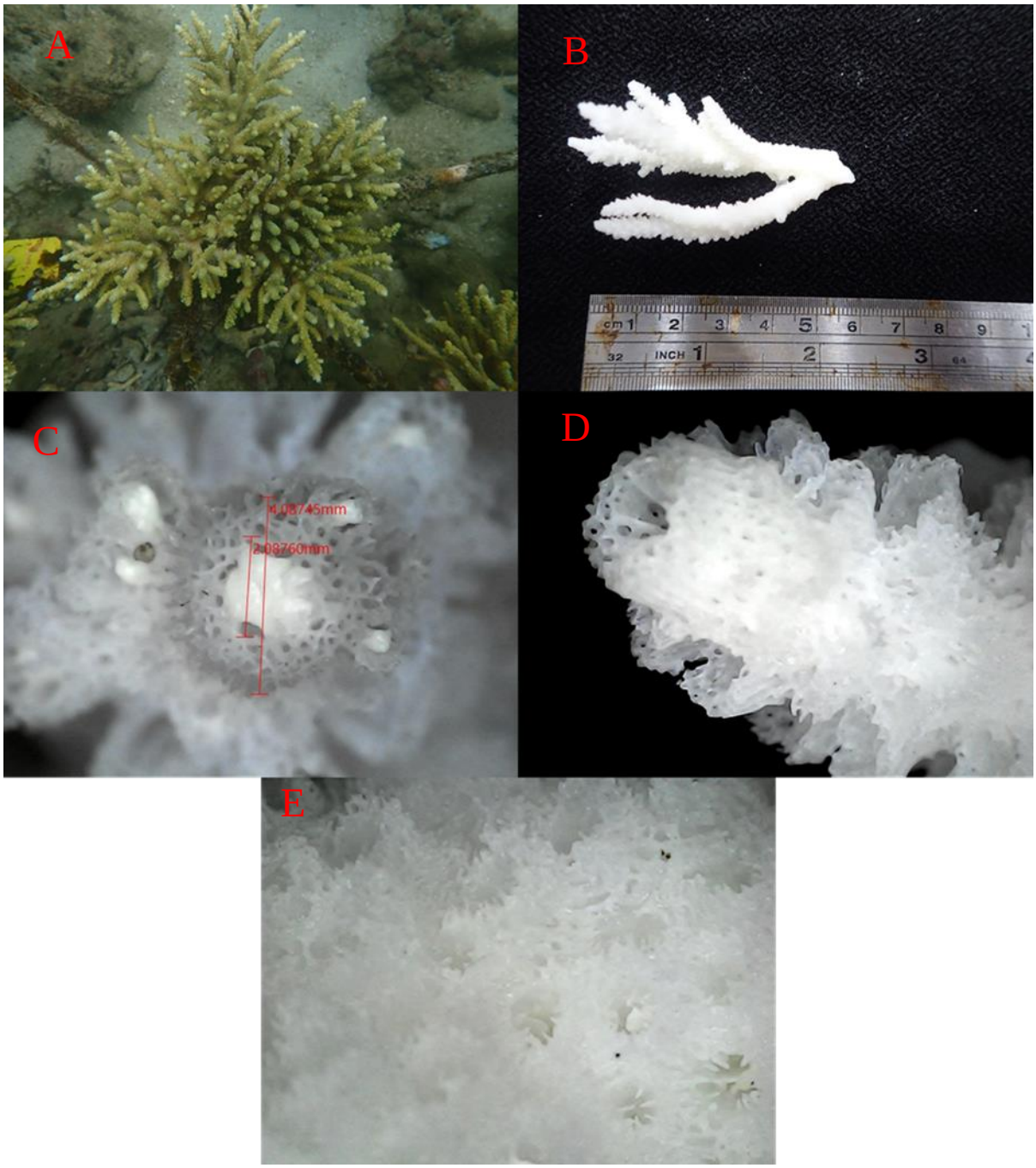
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 16: GusungTallang_16/P6180276 (18/06/2022)).



(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 18: GusungTallang_18/P6180280 (18/06/2022)).



(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 19: GusungTallang_19/P6180299 (18/06/2022)).



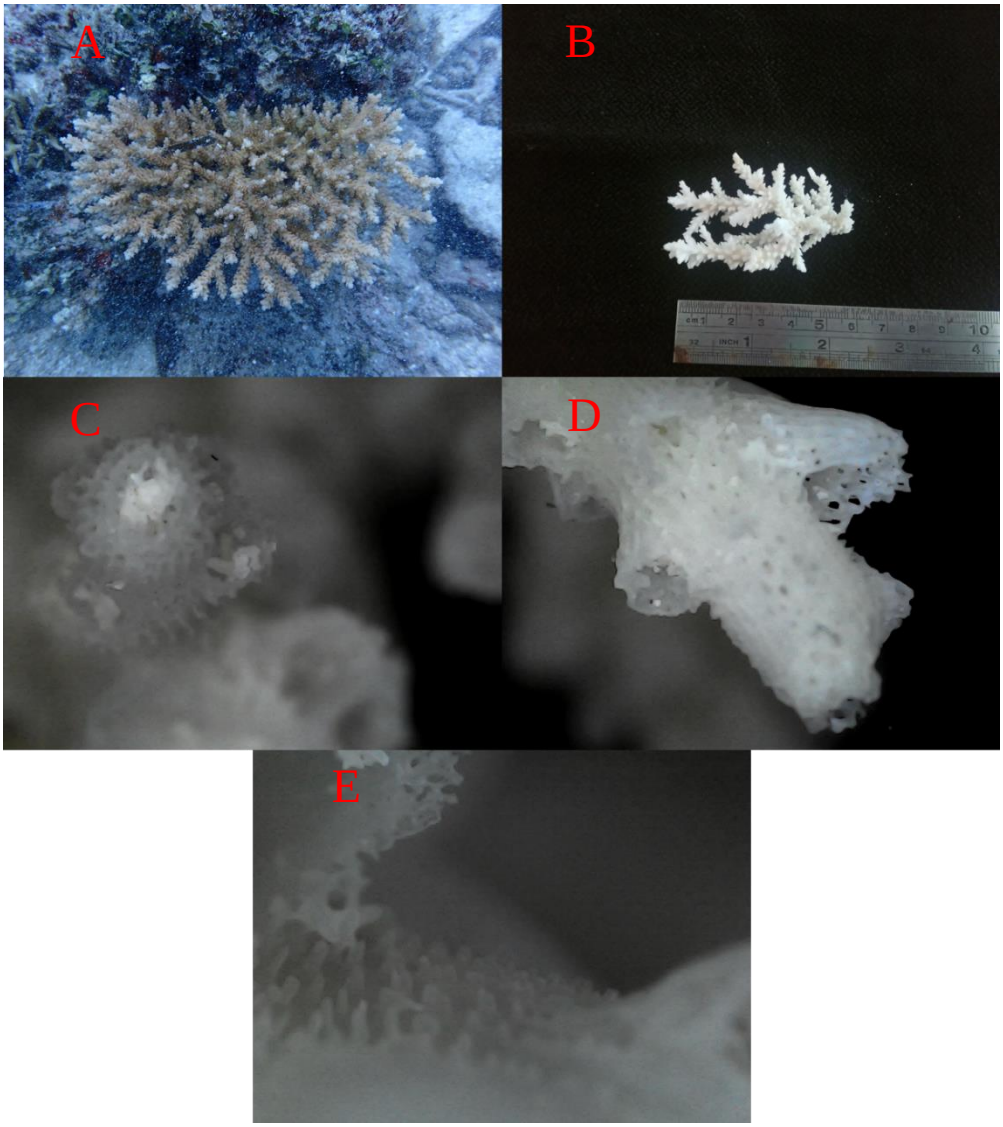
(Spesimen *Acropora millepora* Gusung Tallang*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 22: GusungTallang_22/P6180315 (18/06/2022))

Lampiran 22. Morfologi Karang *Acropora* sp. di Perairan Jernih Kelompok Divaricata

Life form umumnya bentuk *Corymbose. appresed tubular; rounded tubular; cochleariform; dan labellate, straight lip* pada radial corallite-nya, *coenestum*-nya umumnya berbentuk *costate-simple spinules*. Serta life form-nya umumnya berbentuk Tabular dan Caespitose-Corymbose.

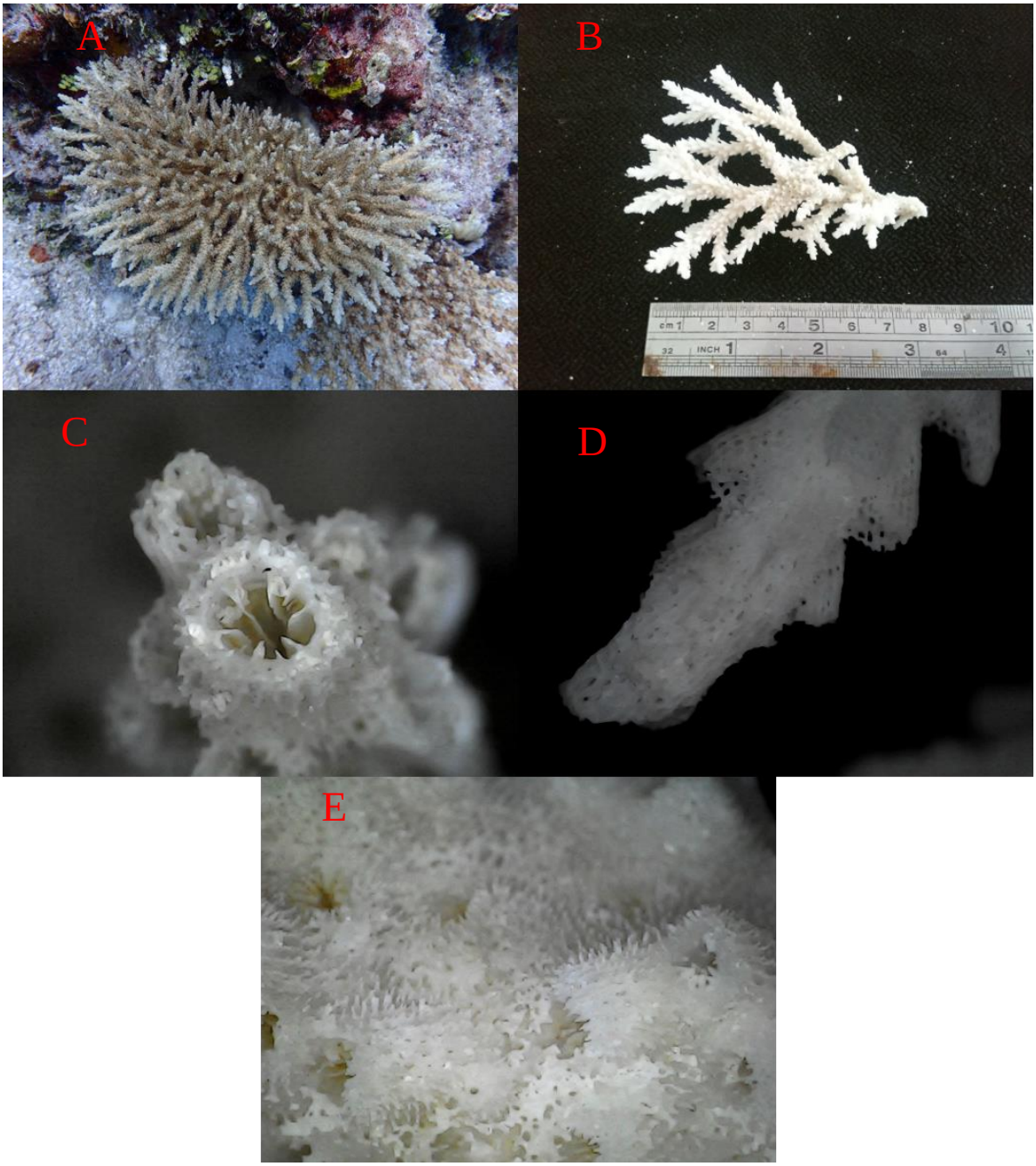
Acropora donei

- Pulau Langkai : Nomor Kode: Langkai: P8011730, P8011779, di Makassar.



(Spesimen *Acropora solitaryensis* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 02: Langkai_02/ P8011730 (1/08/2022)).

Nomor Kode: Langkai: P8011888, di Makassar



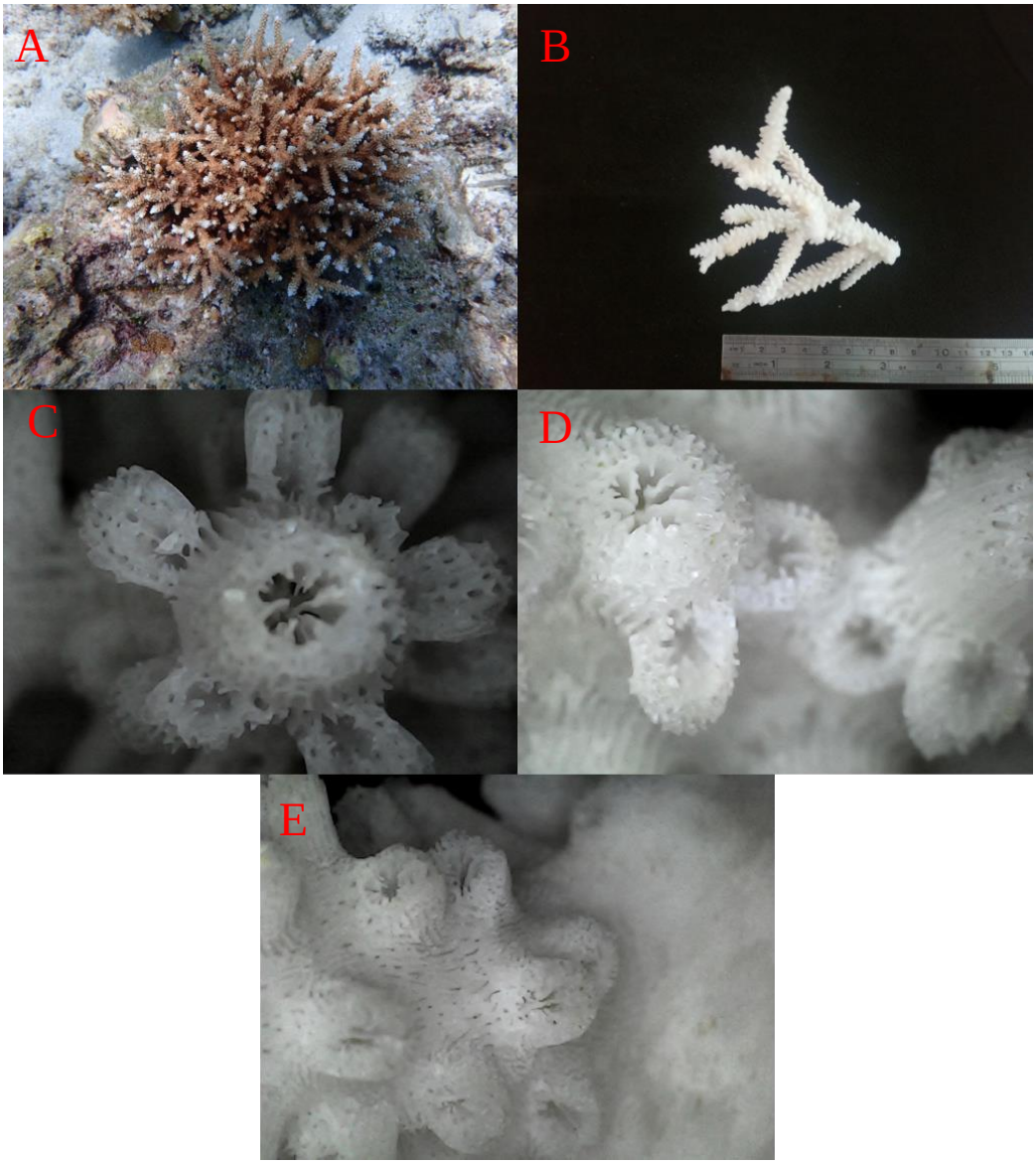
(Spesimen *Acropora divaricata* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 70: Langkai_70/ P8011888 (1/08/2022)).

Lampiran 23. Morfologi Karang *Acropora* sp. di Perairan Jernih Kelompok Horrida

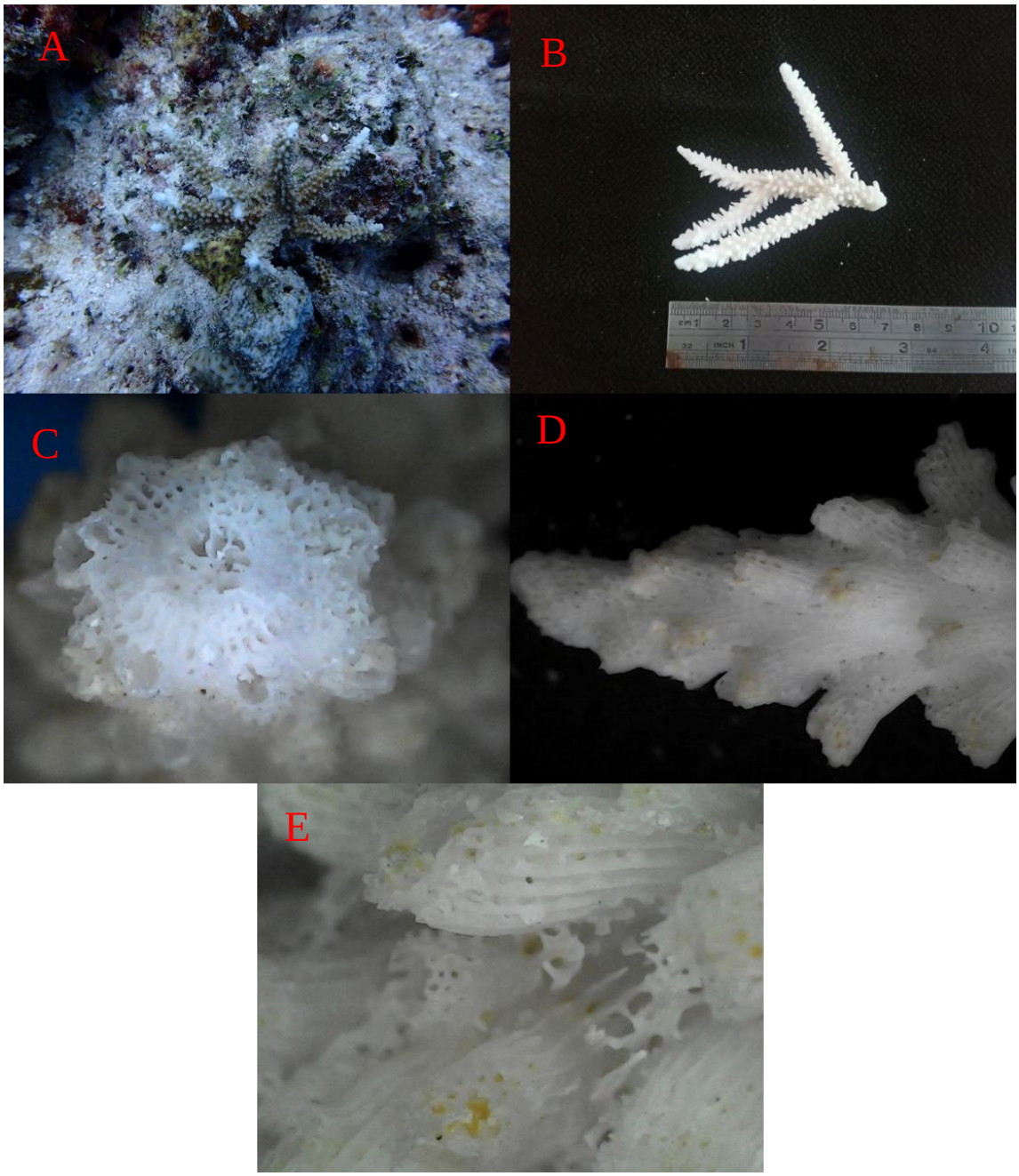
Life form umumnya bentuk *Irregular arborescent. Rounded tubular; immersed; tubular, round opening; appresed tubular; cochleariform* pada radial corallite-nya, *coenestum*-nya umumnya berbentuk *costate-simple spinules-reticulate*. Serta life form-nya umumnya berbentuk Irregular arborescent.

Acropora muricata

- Pulau Langkai : Nomor Kode: Langkai: P8011862 dan P8011743 di Makassar.



(Spesimen *Acropora muricata* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 8: Langkai_8/ P8011862 (1/08/2022)).



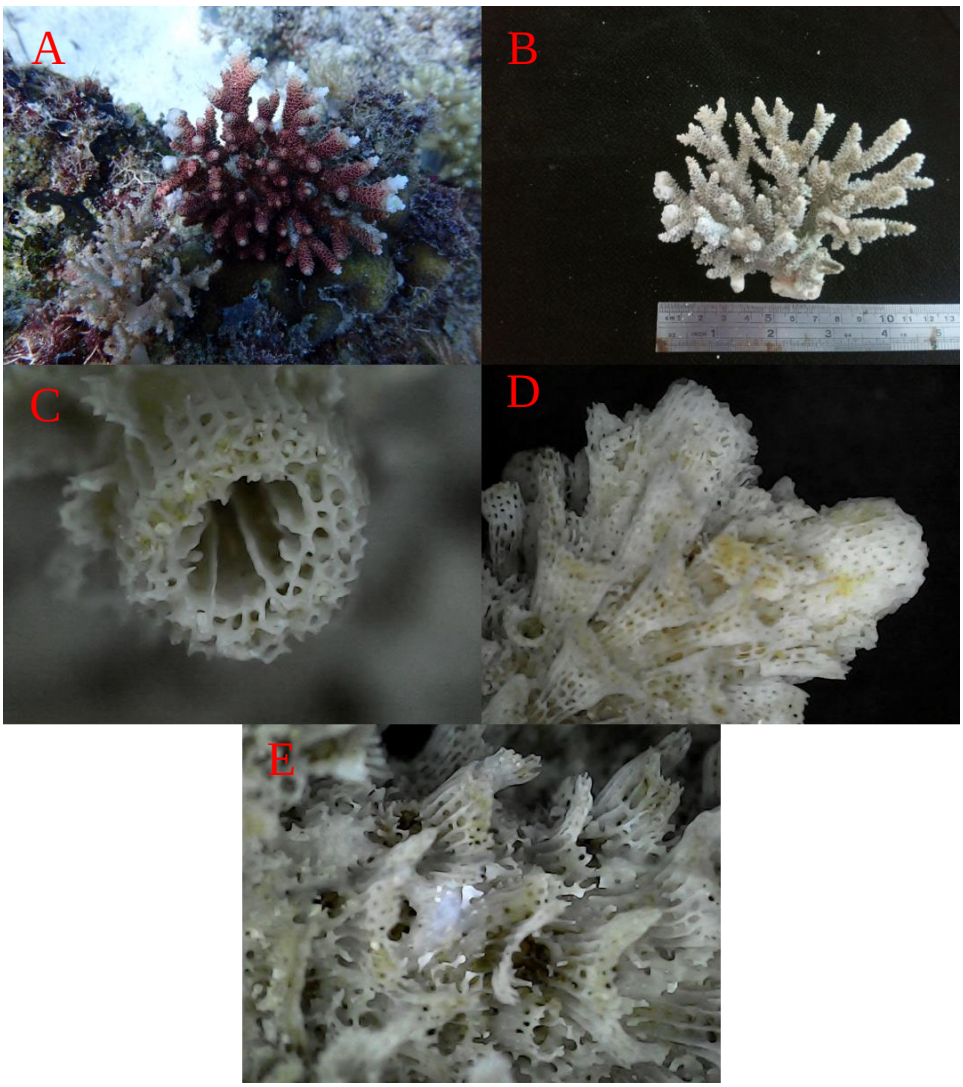
(Spesimen *Acropora muricata* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 69: Langkai_69/ P8011862 (1/08/2022)).

Lampiran 24. Morfologi Karang *Acropora* sp. di Perairan Jernih Kelompok Aspera

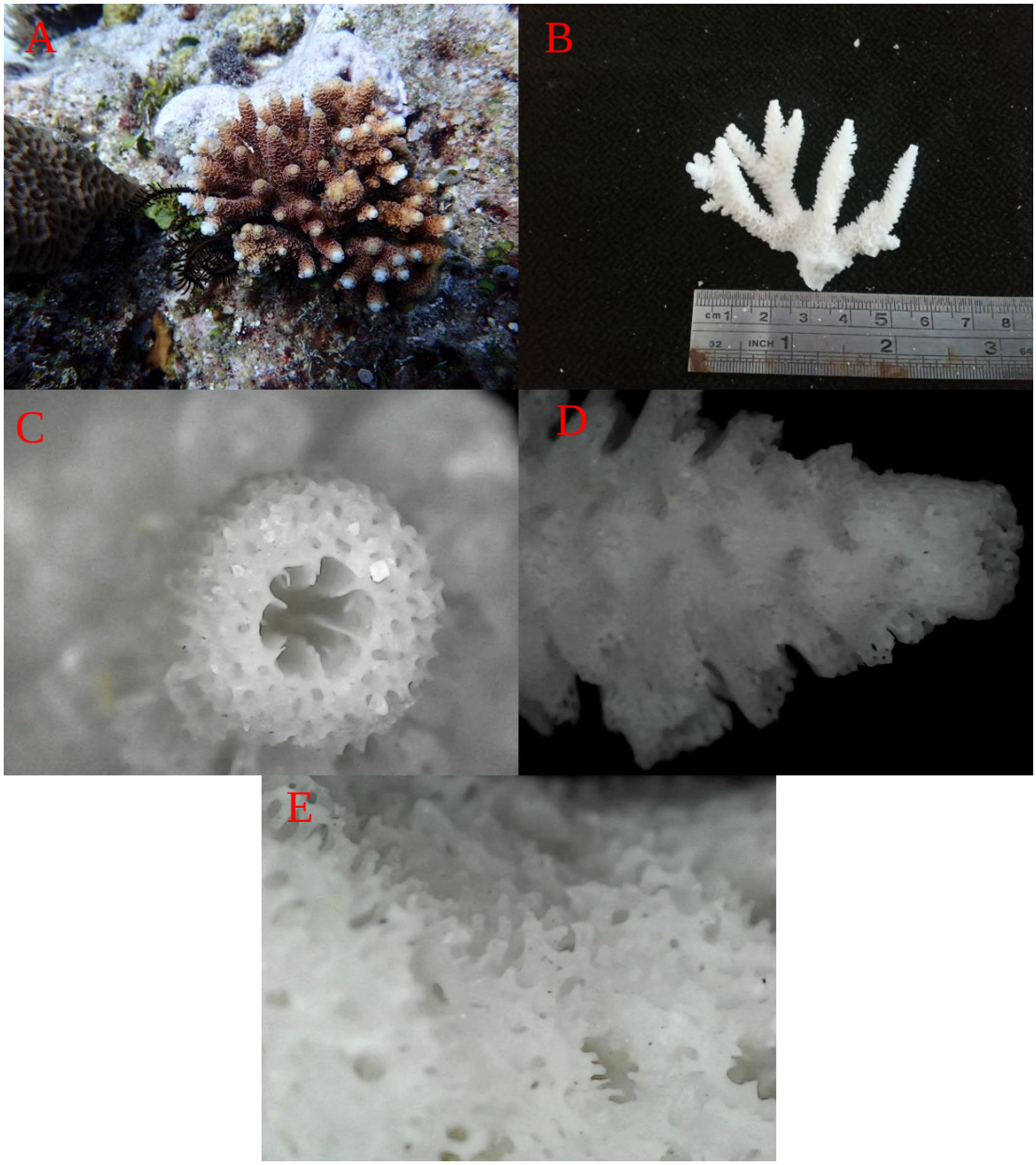
Life form umumnya bentuk *Corymbose. Tubular. appresed tubular; immersed; nariform, elongate opening; labellate, straight lip; nariform, elongate opening; appresed tubular* pada radial corallite-nya, *coenestum*-nya umumnya berbentuk *Costate, simple spinules,* dan *reticulate*. Serta life form-nya umumnya berbentuk *Corymbose.*

Acropora millepora

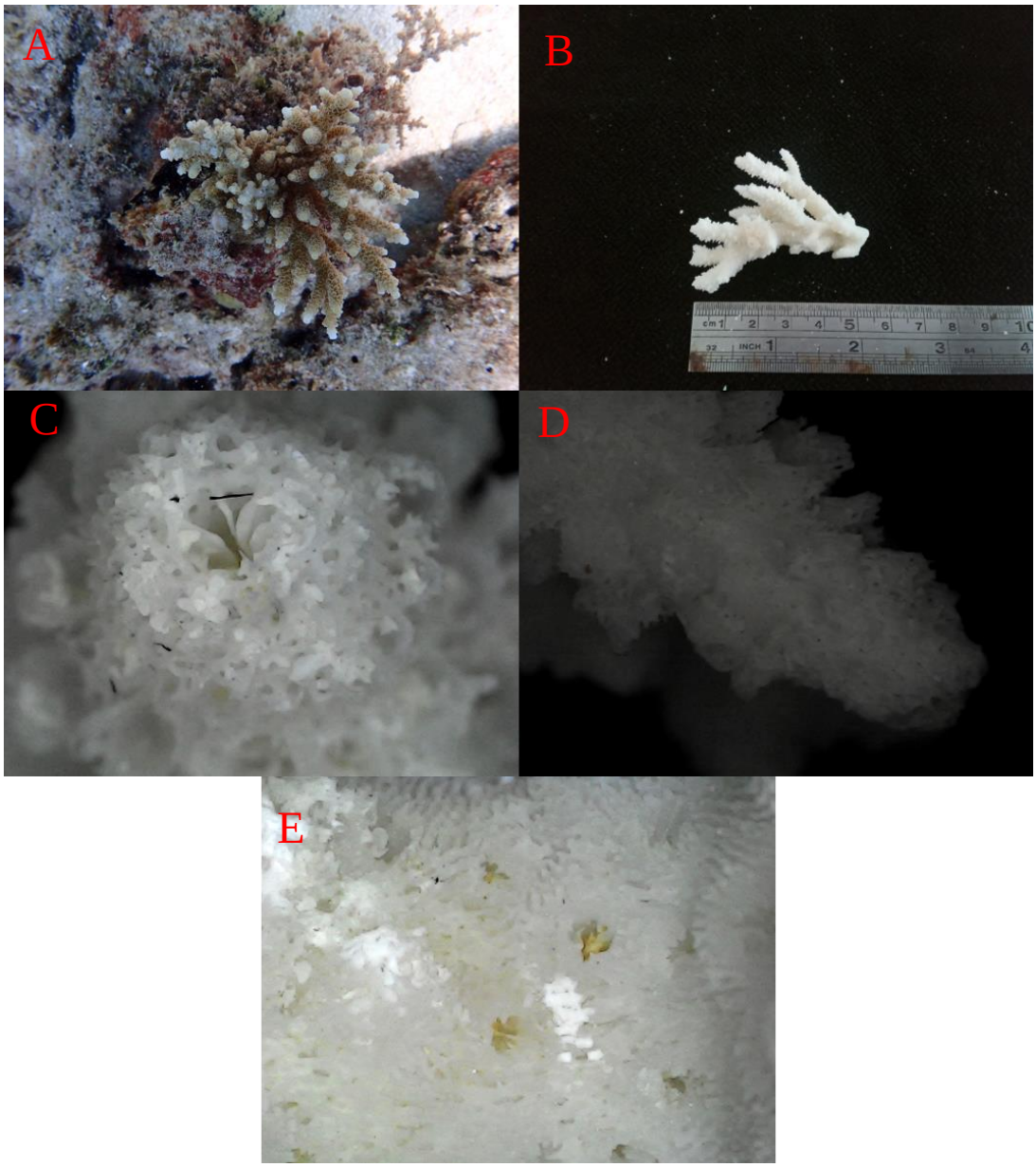
Nomor Kode: Langkai: P8011875, P8012026, dan P8011834, di Makassar



(Spesimen *Acropora millepora* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 41: Langkai_41/ P8011875 (1/08/2022)).



(Spesimen *Acropora millepora* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 50: Langkai_50/ P8012026 (1/08/2022)).



(Spesimen *Acropora millepora* Langkai*:* A. Foto di alam; B. Spesimen kerangka; C. Koralit radial; D. Koralit aksial; E. Konestum. Nomor sampel 61: Langkai_61/ P8011834 (1/08/2022).