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LAMPIRAN

Lampiran 1. Dokumentasi kegiatan penelitian



Gambar 15. Proses pengambilan sampel



Gambar 16. Proses pengukuran morfometrik dan penimbangan bobot kerang hijau



Gambar 17. Proses preparasi organ hepatopankreas dari organ lainnya pada kerang hijau



Gambar 18. Organ hepatopankreas yang telah dipisahkan dan dimasukkan ke dalam larutan KOH 20% hingga organ terlarut

Lampiran 1. Lanjutan



Gambar 19. Proses penyaringan/filtrasi mikroplastik menggunakan pompa vakum



Gambar 20. Proses pengamatan karakteristik serta perhitungan jumlah mikroplastik

Lampiran 2. Analisis data morfometrik kerang hijau (*Perna viridis*)

No	Bobot Total	Morfometrik			Berat Hepa
		P	L	T	
1	4.97	3.6	1.4	2.0	0.36
2	5.16	3.7	1.4	2.2	0.21
3	6.17	3.9	1.4	2.2	0.3
4	5.43	3.9	1.2	2.1	0.3
5	4.73	3.3	0.9	1.9	0.39
6	4.74	3.4	1.2	2.1	0.29
7	4.51	3.4	1.7	1.9	0.21
8	6.25	3.6	1.4	2.2	0.31
9	5.64	3.6	1.3	1.9	0.35
10	7.43	3.9	1.5	2.3	0.32
11	4.19	3.4	1.3	1.9	0.26
12	4.94	3.6	1.4	2.1	0.29
13	7.07	3.9	1.5	2.3	0.53
14	6.14	3.8	1.4	2.1	0.25
15	4.47	3.5	1.2	1.9	0.25
16	6.79	3.9	1.4	2.3	0.31
17	4.95	3.6	1.4	2.0	0.36
18	5.21	3.7	1.2	2.2	0.24
19	5.93	3.7	1.5	2.3	0.33
20	5.01	3.3	1.2	2.1	0.27
21	4.96	3.5	1.3	2.0	0.11
22	6.80	3.9	1.5	2.1	0.29
23	5.91	3.6	1.4	2.0	0.29
24	6.32	3.9	1.4	2.2	0.28
25	3.94	3.2	1.1	1.9	0.21
26	4.93	3.5	1.3	2.2	0.23
27	6.02	3.9	1.3	2.2	0.41
28	4.12	3.2	1.3	1.8	0.22
29	6.35	3.7	1.3	2.2	0.32
30	3.74	3.6	1.4	1.9	0.33
31	6.59	3.9	1.5	2.2	0.39
32	8.20	3.9	1.6	2.4	0.34
33	6.80	3.9	1.4	2.0	0.31
34	16.09	5.6	2.0	2.9	0.83
35	13.62	5.5	1.9	2.8	0.81
36	11.17	5.0	1.7	2.5	0.60
37	11.58	5.5	1.8	2.8	0.62
38	9.50	5.0	1.8	2.8	0.56
39	14.89	5.6	2.1	2.5	0.77
40	17.71	5.5	2.1	2.9	0.67

41	10.88	5.3	1.7	2.5	0.61
42	13.65	5.6	1.9	3.0	0.59
43	14.45	5.3	1.8	2.6	0.73
44	17.10	5.3	1.8	2.8	0.77
45	9.52	5.2	1.7	2.5	0.34
46	12.89	5.2	1.7	2.9	0.63
47	17.24	5.6	2.0	2.9	0.74
48	14.61	5.5	2.0	2.9	0.68
49	13.00	5.0	1.8	2.8	0.52
50	12.99	5.1	1.8	2.7	0.49
51	10.96	5.0	1.9	2.7	0.45
52	16.06	5.6	1.6	2.9	0.72
53	9.62	5.0	1.7	2.6	0.51
54	12.06	5.3	1.8	2.5	0.46
55	11.66	5.1	1.7	2.5	0.7
56	12.87	5.0	1.8	2.8	0.52
57	13.92	5.4	1.8	2.8	0.74
58	8.00	5.2	1.8	2.8	0.71
59	15.00	5.7	2.0	2.9	0.44
60	11.53	5.1	1.7	2.7	0.7
61	10.76	5.6	2.0	2.7	0.64
62	15.80	5.9	2.0	2.8	0.5
63	13.92	5.7	2.0	2.9	0.79
64	11.24	5.2	1.8	2.7	0.62
65	14.40	5.4	1.8	2.7	0.64
66	12.58	5.2	1.9	2.7	0.42
67	18.61	7.5	2.2	3.5	0.73
68	17.13	7.0	1.8	3.0	0.85
69	13.00	7.3	2.0	3.9	0.79
70	2.00	6.8	2.1	3.1	0.95
71	14.00	7.1	1.9	2.8	0.62
72	17.00	6.8	2.1	3.0	0.78
73	15.00	6.3	2.0	3.1	0.7
74	40.40	7.8	2.6	3.6	0.49
75	26.14	7.7	2.3	3.8	1.18
76	18.09	6.0	2.4	2.9	0.55
77	16.97	6.1	2.4	3.1	1
78	17.23	6.1	2.1	3.1	0.89
79	17.24	6.0	2.6	3.3	0.7
80	24.59	6.3	2.3	3.3	1.01
81	19.88	6.0	2.0	3.1	0.92
82	17.58	6.4	2.0	3.0	0.8
83	19.87	7.3	2.1	3.0	0.81
84	17.31	7.1	1.9	3.2	0.91

85	12.89	6.7	1.9	2.9	0.69
86	18.24	7.8	2.9	3.0	0.84
87	14.84	7.3	2.0	2.0	0.42
88	14.46	6.3	2.0	3.0	0.7
89	11.24	7.9	2.5	1.9	0.63
90	14.42	6.3	2.0	3.0	0.66
91	16.46	7.1	1.9	2.9	0.75
92	14.06	6.2	1.8	2.8	0.77
93	14.85	6.7	1.9	2.9	0.83
94	15.29	6.4	1.6	2.6	0.66
95	12.81	6.1	1.9	2.9	0.87
96	14.57	6.5	1.8	2.9	0.86
97	16.55	7.2	1.9	2.8	0.57
98	15.28	7.8	2.0	2.9	0.78
99	14.05	6.6	1.8	2.6	0.55

Tabel 3. Data morfometrik kerang hijau (*Perna viridis*)

Lampiran 3. Analisis data mikroplastik pada kelompok ukuran kecil cangkang kerang hijau (*Perna viridis*)

Sampel	Warna					Bentuk						Jumlah Mikroplastik	Berat Hepato Kerang	Konsentrasi Mikroplastik	Frekuensi Kehadiran	
	Hitam	Putih	Merah	Kuning	Biru	HIJAU	Patahan	Lembaran	Serat	fiber	Busa					pelet
S1		3			1	1	1		4				5	0.36	13.89	94%
S2		5				1	2		4				6	0.21	28.57	
S3		1							1				1	0.30	3.33	
S4		10			2		3	1	8				12	0.30	40.00	
S5		8					3	2	3				8	0.39	20.51	
S6		20					13	5	2				20	0.29	68.97	
S7		5			1			2	4				6	0.21	28.57	
S8		9					4		5				9	0.31	29.03	
S9		3						1	2				3	0.35	8.57	
S10													0	0.32	0.00	
S11		6			1			3	4				7	0.26	26.92	
S12		4						1	3				4	0.29	13.79	
S13		4						1	3				4	0.53	7.55	
S14		7			5			2	10				12	0.25	48.00	
S15		1						1					1	0.25	4.00	
S16		2						1	1				2	0.31	6.45	
S17		3			1		1	1	2				4	0.36	11.11	
S18		7						2	5				7	0.24	29.17	
S19		6			1		4		3				7	0.33	21.21	
S20		4			1	1	3		3				6	0.27	22.22	
S21													0	0.11	0.00	
S22		1							1				1	0.29	3.45	
S23		5			1		2	3	1				6	0.29	20.69	
S24		2					2						2	0.28	7.14	
S25		6					4	2					6	0.21	28.57	
S26		4					2	2					4	0.23	17.39	
S27		6			1			2	5				7	0.41	17.07	
S28		11	1				2	5	5				12	0.22	54.55	
S29		4	1				2	1	2				5	0.32	15.63	
S30		4			1			2	3				5	0.33	15.15	
S31		2						1	1				2	0.39	5.13	
S32		7					1	5	1				7	0.34	20.59	
S33		4			1		3	2	1				6	0.31	19.35	

Lampiran 4. Analisis data mikroplastik pada kelompok ukuran sedang cangkang kerang hijau (*Perna viridis*)

Sampel Mandalle	Warnah						Bentuk						Jumlah Mikro	Berat Hepato Kerang	Konsentrasi Mikroplastik	Frekuensi Kehadiran
	hitam	transparan	merah	kuning	biru	HIJAU	Fragmen	filem	line	fiber	foam	pelet				
s1		13					7		6				13	0.83	15.66	100%
s2		3			1			2	2				4	0.81	4.94	
s3		18			1		3	4	11				18	0.60	30.00	
s4		2					1	1					2	0.62	3.23	
s5		2						2					2	0.56	3.57	
s6		6							6				6	0.77	7.79	
s7		1							1				1	0.67	1.49	
s8		1			2		1		2				3	0.61	4.92	
s9		2			1		1		2				3	0.59	5.08	
s10		3					3						3	0.73	4.11	
s11		4			1		1	3	1				5	0.77	6.49	
s12		4					1		3				4	0.34	11.76	
s13		1					1						1	0.63	1.59	
s14		8						6	2				8	0.74	10.81	
s15		11	1		2	1	2		13				15	0.68	22.06	
s16		1			2			1	2				3	0.52	5.77	
s17		3					1	1	1				3	0.49	6.12	
s18		2						1	1				2	0.45	4.44	
s19		3			2				5				5	0.72	6.94	
s20		6					2		4				6	0.51	11.76	
s21		5			1		2		4				6	0.46	13.04	
s22		2						2					2	0.7	2.86	
s23		8	1		1		1	2	7				10	0.52	19.23	
s24		11					2	3	6				11	0.74	14.86	
s25		14					3	2	9				14	0.71	19.72	
s26		4			1				5				5	0.44	11.36	
s27		3						1	2				3	0.7	4.29	
s28		3			1		1		3				4	0.64	6.25	
s29		5			1		1	2	3				6	0.5	12.00	
s30		4							4				4	0.79	5.06	
s31		3							3				3	0.62	4.84	
s32		4			1			2	3				4	0.64	6.25	
s33		12				2	1	1	12				14	0.42	33.33	

Lampiran 5. Analisis data mikroplastik pada kelompok ukuran besar cangkang kerang hijau (*Perna viridis*)

Sampel Mandalle	Warnah						Bentuk						jumlah Mikroplastik	berat hepa kerang	konsentrasi Mikroplastik	Frekuensi Kehadiran
	hitam	anspara	merah	kuning	biru	HIJAU	Fragmen	filem	line	fiber	foam	pelet				
s1		3					1	1	1				3	0.73	4.11	85%
s2		2	1		2			2	3				5	0.85	5.88	
s3		2			1			1	2				3	0.79	3.80	
s4													0	0.95	0.00	
s5		3			2				5				5	0.62	8.06	
s6		4					2		2				4	0.78	5.13	
s7		5					2	1	2				5	0.7	7.14	
s8		5			1		1	4	1				6	0.49	12.24	
s9		1						1					1	1.18	0.85	
s10		1						1					1	0.55	1.82	
s11		1							1				1	1	1.00	
s12													0	0.89	0.00	
s13		1			1				2				2	0.7	2.86	
s14		8						1	7				8	1.01	7.92	
s15		1			2				3				3	0.92	3.26	
s16		1			1				2				2	0.8	2.50	
s17		6			1		2		5				7	0.81	8.64	
s18		2			1				3				3	0.91	3.30	
s19													0	0.69	0.00	
s20		2			1		1		2				3	0.84	3.57	
s21		1					1						1	0.42	2.38	
s22													0	0.7	0.00	
s23		1							1				1	0.63	1.59	
s24		1							1				1	0.66	1.52	
s25													0	0.75	0.00	
s26		1							1				1	0.77	1.30	
s27		1						1					1	0.83	1.20	
s28		2							2				2	0.66	3.03	
s29		2			1		1		2				3	0.87	3.45	
s30		1							1				1	0.86	1.16	
s31		2			2			1	3				4	0.57	7.02	
s32		1					1						1	0.78	1.28	
s33		5			1	1	1	1	5				7	0.55	12.73	

Lampiran 6. Uji Statistik Konsentrasi Mikroplastik Total

Number of families	1					
Number of comparisons per family	3					
Alpha	0.05					
Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value		
Kecil vs. Sedang	21.32	Yes	**	0.0042	A-B	
Kecil vs. Besar	42.49	Yes	****	<0.0001	A-C	
Sedang vs. Besar	21.17	Yes	**	0.0061	B-C	
Test details	Mean rank 1	Mean rank 2	Mean rank diff.	n1	n2	Z
Kecil vs. Sedang	67.08	45.76	21.32	31	33	3.193
Kecil vs. Besar	67.08	24.59	42.49	31	28	6.104
Sedang vs. Besar	45.76	24.59	21.17	33	28	3.086
Number of values	31	33	28			
Minimum	3.330	1.490	0.8500			
Maximum	68.97	33.33	12.73			
Range	65.64	31.84	11.88			
Mean	21.18	9.746	4.241			
Std. Deviation	15.33	7.784	3.303			
Std. Error of Mean	2.753	1.355	0.6242			