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LAMPIRAN

Lampiran 1. Dokumentasi Penelitian

Gambar 16. Keadaan sekitar Pantai Lemo

Gambar 17. Pengambilan sampel kerang tahu (*Meretrix meretrix*)

Gambar 18. Penimbangan dan pengukuran morfometrik kerang

Gambar 19. Pemberian larutan KOH 10 %

Gambar 20. Penyaringan sampel

Gambar 21. Pengamatan mikroplastik dengan menggunakan Mikroskop

Lampiran 2. Perhitungan kelompok ukuran panjang cangkang kerang

Panjang terkecil : 2,75 cm

Panjang terbesar : 5,24 cm

Logaritma harga terbesar = log 5,24 = 0,7193

Logaritma harga terkecil = log 2,75= 0,4393

Beda logaritma = 0,7193 – 0,4395 = 0,2800

Banyaknya kelas yang dikehendaki = 3

Beda logaritma tengah-tengah kelas = $\frac{0,2800}{3}$ = 0,0933

Logaritma tengah-tengah kelas pertama = 0,4393 + $\frac{0,0933}{2}$ = 0,4859

Harga-harga yang terdapat di dalam kelas panjang yaitu:

Kelas	Logaritma		Antilog	
	Harga terendah	Tengah kelas	Harga terendah	Tengah kelas
I	0,4393	0,4859	2,75	3,06
II	0,5326	0,5792	3,41	3,79
III	0,6259	0,6725	4,22	4,70

Kelas-kelas panjang yang terbetuk dan jumlah sampel tiap kelas:

Kelas I : 2,75 - 3,40 = 33 individu
Kelas II : 3,41 - 4,21 = 60 individu
Kelas III : 4,22 – 5,24 = 74 invididu
167 individu

Jumlah sampel yang dibutuhkan :

$$n = \frac{\mathrm{N}}{1 + \mathrm{N}\,(d^2)}$$

$$n = \frac{167}{1 + 167\,(0{,}05^2)}$$

$$n = \frac{167}{1 + 0{,}4175}$$

$n = 117{,}8130$ ~ 118 ekor

Jumlah sampel tiap kelas :

$$ni = \frac{\mathrm{Ni}}{\mathrm{N}}\ x\ n$$

$$ni = \frac{33}{167}\ x\ 118$$

= 23 ekor

$$ni = \frac{60}{167}\ x\ 118$$

= 42 ekor

$$ni = \frac{74}{167}\ x\ 11$$

= 53 ekor

Total Sampel = 23+42+53 = 118 ekor

Lampiran 3. Data pengukuran Morfometrik kerang

Tabel 9. Pengukuran Morfometrik kerang

Sampel	Panjang	Lebar	Tinggi	BT	BDB	BC	VC
1A	2.750	1.645	2.440	7.240	0.710	6.530	5.0
2A	3.130	1.755	2.520	9.560	1.290	8.270	5.5
3A	3.250	1.870	2.620	10.740	1.460	9.280	6.0
4A	3.320	1.845	2.740	11.060	1.660	9.400	6.0
5A	3.300	1.710	2.810	10.280	1.320	8.960	7.0
6A	3.400	2.040	2.915	13.940	2.080	11.860	4.5
7A	2.810	1.530	2.420	7.490	1.010	6.480	5.5
8A	3.100	1.780	2.720	10.670	1.280	9.390	5.0
9A	2.935	1.565	2.675	9.770	1.140	8.630	5.0
10A	3.150	1.810	2.750	10.320	1.380	8.940	5.0
11A	3.135	1.650	2.670	9.680	1.080	8.600	4.0
12A	3.035	1.630	2.665	8.830	1.000	7.830	4.0
13A	3.050	1.610	2.565	8.910	1.150	7.760	5.0
14A	3.150	1.820	2.710	10.860	1.250	9.610	4.0
15A	3.270	1.875	2.820	11.510	1.360	10.150	5.0
16A	3.165	1.745	2.600	10.170	1.330	8.840	5.0
17A	3.070	1.630	2.630	8.990	1.310	7.680	5.0
18A	3.225	1.870	2.810	12.070	1.470	10.600	6.0
19A	3.340	1.915	2.955	12.500	1.840	10.660	7.0
20A	3.320	1.840	2.875	9.890	1.410	8.480	4.0
21A	3.255	2.045	2.815	13.180	1.780	11.400	5.0
22A	3.160	1.770	2.750	10.640	1.340	9.300	5.0
23A	3.165	1.635	2.640	9.540	1.470	8.070	4.5
1B	3.520	1.955	2.965	14.200	2.180	12.020	5.5
2B	3.560	2.275	3.055	16.600	2.530	14.070	7.5
3B	3.640	2.050	2.975	15.040	2.210	12.830	9.0
4B	3.565	2.135	3.040	15.700	2.110	13.590	8.0
5B	3.650	2.010	3.220	16.630	2.090	14.540	8.0
6B	3.635	2.135	3.150	16.640	2.020	14.620	7.5
7B	3.610	2.310	3.045	18.380	2.940	15.440	9.0
8B	3.610	2.135	3.150	15.710	2.230	13.480	7.5
9B	3.815	2.265	3.220	17.970	2.180	15.790	8.0
10B	3.710	2.075	3.230	16.940	2.490	14.450	7.5
11B	3.715	2.260	3.180	17.170	2.020	15.150	8.0
12B	3.720	2.315	3.270	18.850	2.080	16.770	9.0
13B	3.840	2.220	3.310	18.180	2.500	15.680	6.0
14B	3.570	2.215	3.140	16.870	2.220	14.650	8.0
15B	3.510	2.130	3.150	16.030	2.200	13.830	5.5
16B	3.960	2.230	3.325	20.470	2.910	17.560	7.0
17B	3.990	2.200	3.315	18.220	2.940	15.280	9.0
18B	3.950	2.450	3.330	20.840	2.630	18.210	9.0
19B	3.985	2.400	3.330	20.880	3.080	17.800	9.0

20B	4.120	2.455	3.460	23.500	3.020	20.480	9.5
21B	3.930	2.175	3.370	17.990	3.000	14.990	9.0
22B	4.110	2.440	3.450	22.010	3.150	18.860	9.0
23B	4.030	2.455	3.510	23.180	2.790	20.390	8.5
24B	3.850	2.405	3.520	18.920	2.700	16.220	9.0
25B	4.105	2.330	3.475	21.580	2.470	19.110	9.5
26B	3.965	2.440	3.450	18.030	2.410	15.620	10.0
27B	3.915	2.270	3.300	18.200	3.140	15.060	10.0
28B	4.050	2.260	3.410	19.900	2.880	17.020	10.0
29B	3.820	2.270	3.205	16.730	2.690	14.040	7.0
30B	4.100	2.460	3.415	22.240	3.140	19.100	11.0
31B	4.150	2.410	3.510	21.680	3.520	18.160	9.0
32B	4.135	2.350	3.465	20.670	3.170	17.500	10.0
33B	3.855	2.130	3.145	16.760	2.450	14.310	7.5
34B	3.970	2.150	3.330	14.530	2.510	12.020	7.5
35B	3.945	2.310	3.270	18.930	2.440	16.490	8.5
36B	3.960	2.320	3.240	19.350	2.510	16.840	10.0
37B	4.010	2.320	3.475	18.480	2.860	15.620	10.0
38B	3.720	2.210	3.320	19.300	2.650	16.650	8.0
39B	4.020	2.255	3.500	20.740	3.210	17.530	9.0
40B	3.975	2.220	3.310	17.260	2.680	14.580	9.5
41B	3.890	2.410	3.310	20.260	2.840	17.420	8.0
42B	3.940	2.350	3.430	21.080	2.790	18.290	9.0
1C	4.410	2.645	3.610	28.490	4.150	24.340	11.0
2C	4.240	2.415	3.625	23.760	3.080	20.680	11.0
3C	5.060	2.910	4.255	40.150	4.360	35.790	11.0
4C	4.410	2.440	3.720	20.900	3.730	17.170	10.5
5C	5.165	3.010	3.850	38.130	4.520	33.610	14.0
6C	4.510	2.550	3.610	27.560	3.390	24.170	12.0
7C	5.230	2.920	4.310	42.930	3.790	39.140	13.5
8C	4.535	2.720	3.955	31.450	4.000	27.450	14.0
9C	4.655	2.710	3.870	30.560	4.170	26.390	13.5
10C	4.330	2.440	3.550	26.140	3.140	23.000	10.0
11C	4.710	2.570	3.940	32.030	3.240	28.790	12.0
12C	4.540	2.810	3.910	33.250	5.520	27.730	13.0
13C	4.420	2.650	3.750	28.630	4.200	24.430	12.0
14C	4.630	2.640	4.130	29.630	3.790	25.840	13.0
15C	4.730	2.820	3.850	33.610	4.490	29.120	15.0
16C	4.340	2.350	3.635	24.580	3.980	20.600	12.0
17C	4.160	2.870	3.920	35.600	4.140	31.460	12.0
18C	4.372	2.410	3.640	23.810	3.420	20.390	10.5
19C	4.870	2.710	3.910	32.920	4.420	28.500	14.0
20C	4.980	2.870	4.140	32.170	5.440	26.730	13.0
21C	5.050	2.785	4.130	36.170	5.010	31.160	14.0
22C	4.630	2.830	3.940	35.670	5.740	29.930	12.0
23C	4.630	2.830	3.870	30.850	4.240	26.610	11.0
24C	5.070	2.855	4.150	41.650	5.750	35.900	12.0

25C	4.810	2.745	3.870	33.910	4.810	29.100	15.0
26C	4.810	2.780	4.040	34.460	5.340	29.120	16.0
27C	4.875	2.810	3.920	32.070	4.850	27.220	15.0
28C	4.580	2.530	3.795	27.950	3.660	24.290	14.0
29C	4.730	2.820	3.960	35.140	4.990	30.150	12.0
30C	4.680	2.720	3.850	31.300	4.040	27.260	14.0
31C	4.520	2.710	3.830	29.520	4.120	25.400	12.0
32C	4.620	2.770	3.980	32.990	4.000	28.990	12.0
33C	4.540	2.620	3.870	27.490	4.910	22.580	12.0
34C	4.720	2.660	3.720	29.720	3.540	26.180	12.0
35C	4.720	2.710	3.610	27.450	3.940	23.510	10.0
36C	4.730	2.720	3.730	31.390	3.920	27.470	15.0
37C	4.310	2.560	3.670	26.250	3.140	23.110	10.0
38C	4.610	2.660	3.715	26.880	4.080	22.800	14.0
39C	4.810	2.715	3.840	32.730	4.150	28.580	14.0
40C	4.715	2.610	3.955	28.970	4.650	24.320	12.0
41C	4.520	2.530	3.940	28.930	3.600	25.330	14.0
42C	4.550	2.820	3.940	35.180	5.200	29.980	13.0
43C	4.430	2.655	3.645	28.290	3.940	24.350	10.0
44C	4.375	2.520	3.560	25.700	4.070	21.630	12.0
45C	4.640	2.710	3.850	30.650	4.080	26.570	11.0
46C	4.460	2.630	3.825	26.800	3.800	23.000	12.0
47C	4.410	2.515	3.765	25.800	3.440	22.360	10.0
48C	4.250	2.440	3.550	23.410	3.210	20.200	11.0
49C	4.370	2.590	3.650	27.570	3.660	23.910	10.0
50C	4.360	2.550	3.570	27.370	3.030	24.340	12.0
51C	4.240	2.635	3.510	24.650	3.560	21.090	12.0
52C	4.530	2.650	3.630	27.970	4.060	23.910	12.0
53C	4.520	2.710	3.925	30.720	4.190	26.530	14.0

Ket :

BT = Berat Total kerang
BDB = Berat daging basah kerang
BC = Berat cangkang kerang
VC = Volume cangkang kerang

Lampiran 4. Data jumlah total mikroplastik

Tabel 10. Jumlah mikroplastik yang ditemukan pada sampel kerang di berbagai ukuran panjang cangkang kerang

Kelas Ukuran Panjang Cangkang Kerang	Jumlah Mikroplastik pada berbagai bentuk (item)			Jumlah total mikroplastik (item)
	Fiber	Fragmen	Film	
A (3,11-3,86 cm)	61	52	11	124
B (3,87-4,82 cm)	110	79	24	213
C (4,83-6,01 cm)	122	60	22	204
Total	293	191	57	541

Tabel 11. Jumlah total partikel mikroplastik berdasarkan warna pada berbagai kelompok ukuran panjang cangkang kerang

Kelas ukuran panjang cangkang kerang	Bentuk mikroplastik	Jumlah Mikroplastik di berbagai warna (item)					Jumlah total mikroplastik (item)
		Hitam	Putih	Merah	Biru	Kuning	
A	Fiber	38	7	4	11	1	61
(3,11-3,86 cm)	Fragmen		51		1		52
	Film		12				12
B	Fiber	73	7	12	18		110
(3,87-4,82 cm)	Fragmen		78		1		79
	Film		23				23
C	Fiber	78	4	6	30	4	122
(4,83-6,01 cm)	Fragmen		59		1		60
	Film	22					22
Total		211	241	22	62	5	541

Lampiran 5. Analisis data mikroplastik

1. Analisis data konsentrasi mikroplastik berdasarkan bentuk dari mikroplastik

Tabel 12. Analisis data konsentrasi mikroplastik Kelas A (Bentuk)

Colom Statistic	Fiber	Fragmen	Film
Number of values	20	20	8
Minimum	0.7246	0.6024	0.6024
25% Percentile	1.205	0.7314	0.6815
Median	2.048	1.242	0.7246
75% Percentile	3.529	1.706	0.8388
Maximum	7.018	2.970	0.9901
Mean	2.512	1.340	0.7529
Std. Deviation	1.681	0.6856	0.1219
Std. Error	0.3758	0.1533	0.04311
Lower 95% CI of mean	1.725	1.020	0.6509
Upper 95% CI of mean	3.298	1.661	0.8548

Tests of Normality

	Bentuk MK	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Fiber	.176	20	.107	.882	20	.019
	Fragmen	.185	20	.072	.884	20	.021
	Film	.271	8	.085	.895	8	.261

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Konsentrasi MK

Levene Statistic	df1	df2	Sig.
10.119	2	45	.000

Kruskal-Wallis test

P value	0.0002		
Exact or approximate P value?	Gaussian Approximation		
P value summary	***		
Do the medians vary signif. (P < 0.05)	Yes		
Number of groups	3		
Kruskal-Wallis statistic	16.81		
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
Fiber vs Fragmen	10.95	Yes	*
Fiber vs Film	23.18	Yes	***
Fragmen vs Film	12.23	No	ns

Tabel 13. Analisis data konsentrasi mikroplastik Kelas B (Bentuk)

Colom Statistic	Fiber	Fragmen	Film
Number of values	36	29	19
Minimum	0.3175	0.2841	0.3247
25% Percentile	0.4625	0.3724	0.3584
Median	1.035	0.7605	0.4082
75% Percentile	1.421	1.078	0.4950
Maximum	2.857	2.548	0.9174

Mean	1.135	0.8551	0.4663
Std. Deviation	0.6974	0.5686	0.1592
Std. Error	0.1162	0.1056	0.03653
Lower 95% CI of mean	0.8987	0.6388	0.3895
Upper 95% CI of mean	1.371	1.071	0.5430

Tests of Normality

	Bentuk MK	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Fiber	.135	36	.095	.905	36	.005
	Fragmen	.181	29	.017	.844	29	.001
	Film	.271	19	.001	.748	19	.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Konsentrasi MK

Levene Statistic	df1	df2	Sig.
8.793	2	81	.000

Kruskal-Wallis test

P value	0.0012		
Exact or approximate P value?	Gaussian Approximation		
P value summary	**		
Do the medians vary signif. (P < 0.05)	Yes		
Number of groups	3		
Kruskal-Wallis statistic	13.50		
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
Fiber vs Fragmen	9.846	No	ns
Fiber vs Film	25.38	Yes	***
Fragmen vs Film	15.53	No	ns

Tabel 14. Analisis data konsentrasi mikroplastik Kelas C (Bentuk)

Colom Statistic	Fiber	Fragmen	Film
Number of values	41	26	21
Minimum	0.2062	0.1923	0.1739
25% Percentile	0.4147	0.3255	0.2178
Median	0.6110	0.4692	0.2500
75% Percentile	1.004	0.5475	0.3150
Maximum	1.928	1.852	0.4158
Mean	0.7548	0.5164	0.2628
Std. Deviation	0.4387	0.3454	0.06295
Std. Error	0.06852	0.06775	0.01374
Lower 95% CI of mean	0.6164	0.3769	0.2341
Upper 95% CI of mean	0.8933	0.6560	0.2914

Tests of Normality

	Bentuk MK	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Fiber	.166	41	.006	.920	41	.007
	Fragmen	.248	26	.000	.710	26	.000
	Film	.176	21	.090	.946	21	.284

Tests of Normality

	Bentuk MK	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Fiber	.166	41	.006	.920	41	.007
	Fragmen	.248	26	.000	.710	26	.000
	Film	.176	21	.090	.946	21	.284

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Konsentrasi MK

Levene Statistic	df1	df2	Sig.
15.594	2	85	.000

Kruskal-Wallis test

P value	< 0.0001		
Exact or approximate P value?	Gaussian Approximation		
P value summary	***		
Do the medians vary signif. (P < 0.05)	Yes		
Number of groups	3		
Kruskal-Wallis statistic	31.12		
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
Fiber vs Fragmen	12.21	No	ns
Fiber vs Film	38.23	Yes	***
Fragmen vs Film	26.02	Yes	**

2. Analisis konsentrasi berdasarkan warna mikroplastik

Tabel 15. Analisis data konsentrasi mikroplastik Kelas A (Warna)

Colom Statistic	Biru	Hitam	Kuning	Merah	Putih
Number of values	9	16	2	3	21
Minimum	0.5435	0.5435	0.8200	0.8000	0.7463
25% Percentile	0.7101	1.023	0.8200	0.8000	1.105
Median	0.9259	1.658	0.8486	0.8772	1.852
75% Percentile	1.860	2.525	0.8772	2.000	2.223
Maximum	2.632	4.800	0.8772	2.000	2.970
Mean	1.266	1.975	0.8486	1.226	1.730
Std. Deviation	0.7199	1.213	0.04045	0.6716	0.6755
Std. Error	0.2400	0.3033	0.02860	0.3878	0.1474
Lower 95% CI of mean	0.7128	1.329	0.4852	-0.4427	1.423
Upper 95% CI of mean	1.820	2.622	1.212	2.894	2.038

Tests of Normality[b]

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Warna MK	Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Biru	.237	9	.153	.881	9	.161
	Hitam	.153	16	.200*	.898	16	.075
	Merah	.365	3	.	.798	3	.110
	Putih	.153	21	.200*	.948	21	.314

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Tests of Normality[b]

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Warna MK	Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Biru	.237	9	.153	.881	9	.161
	Hitam	.153	16	.200*	.898	16	.075
	Merah	.365	3	.	.798	3	.110
	Putih	.153	21	.200*	.948	21	.314

a. Lilliefors Significance Correction

b. Konsentrasi MK is constant when Warna MK = Kuning. It has been omitted.

Test of Homogeneity of Variances

Konsentrasi MK

Levene Statistic	df1	df2	Sig.
1.699	3	45	.181

One-way analysis of variance

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Biru vs Hitam	-0.7093	2.712	No	ns	-1.761 to 0.3422
Biru vs Kuning	0.4175	0.8509	No	ns	-1.555 to 2.390
Biru vs Merah	0.04041	0.09657	No	ns	-1.642 to 1.723
Biru vs Putih	-0.4643	1.857	No	ns	-1.470 to 0.5411
Hitam vs Kuning	1.127	2.394	No	ns	-0.7658 to 3.019
Hitam vs Merah	0.7497	1.898	No	ns	-0.8380 to 2.337
Hitam vs Putih	0.2449	1.176	No	ns	-0.5925 to 1.082
Kuning vs Merah	-0.3771	0.6582	No	ns	-2.681 to 1.927
Kuning vs Putih	-0.8819	1.899	No	ns	-2.749 to 0.9856
Merah vs Putih	-0.5048	1.303	No	ns	-2.062 to 1.053

Tabel 16. Analisis data konsentrasi mikroplastik Kelas B (Warna)

Colom statistic	**Biru**	**Hitam**	**Merah**	**Putih**
Number of values	10	33	7	32
Minimum	0.2513	0.3155	0.3311	0.3175
25% Percentile	0.3099	0.5203	0.3333	0.4950
Median	0.4314	0.9091	0.4149	0.9372
75% Percentile	1.052	1.208	0.7547	1.359
Maximum	1.262	2.083	1.225	2.262
Mean	0.6152	0.9109	0.5933	1.014
Std. Deviation	0.3838	0.4313	0.3274	0.5585
Std. Error	0.1214	0.07508	0.1237	0.09873
Lower 95% CI of mean	0.3407	0.7579	0.2905	0.8122
Upper 95% CI of mean	0.8897	1.064	0.8961	1.215

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Bentuk MK	Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi Mk	Biru	.262	10	.050	.835	10	.039
	Hitam	.093	33	.200*	.952	33	.156
	Merah	.279	7	.108	.823	7	.068

	Putih	.106	32	.200*	.929	32	.036

a. Lilliefors Significance Correction

*. This is a lower bound of the true significance.

Test of Homogeneity of Variances

Konsentrasi Mk

Levene Statistic	df1	df2	Sig.
1.896	3	78	.137

One-way analysis of variance

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Biru vs Hitam	-0.2957	2.439	No	ns	-0.7468 to 0.1554
Biru vs Merah	0.02192	0.1325	No	ns	-0.5939 to 0.6378
Biru vs Putih	-0.3983	3.274	No	ns	-0.8511 to 0.05440
Hitam vs Merah	0.3176	2.273	No	ns	-0.2024 to 0.8376
Hitam vs Putih	-0.1027	1.232	No	ns	-0.4127 to 0.2074
Merah vs Putih	-0.4203	2.999	No	ns	-0.9417 to 0.1012

Tabel 17. Analisis data konsentrasi mikroplastik Kelas C (Warna)

Colom statistic	Biru	Hitam	Kuning	Merah	Putih
Number of values	18	37	3	4	31
Minimum	0.1996	0.1739	0.2410	0.2513	0.1873
25% Percentile	0.2828	0.2538	0.2410	0.2846	0.2451
Median	0.3654	0.5226	0.3115	0.4217	0.5362
75% Percentile	0.5253	0.7500	0.4773	0.4954	0.7500
Maximum	1.238	1.935	0.4773	0.5076	1.852
Mean	0.4353	0.5854	0.3433	0.4006	0.5818
Std. Deviation	0.2450	0.4168	0.1213	0.1116	0.3950
Std. Error	0.05774	0.06852	0.07004	0.05581	0.07095
Lower 95% CI of mean	0.3134	0.4465	0.04192	0.2230	0.4369
Upper 95% CI of mean	0.5571	0.7244	0.6446	0.5781	0.7267

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Warna MK	Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi MK	Biru	.173	18	.160	.787	18	.001
	Hitam	.188	37	.002	.795	37	.000
	Kuning	.270	3	.	.949	3	.563
	Merah	.199	4	.	.951	4	.719
	Putih	.169	31	.024	.808	31	.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Konsentrasi MK

Levene Statistic	df1	df2	Sig.
1.361	4	88	.254

Kruskal-Wallis test

P value	0.3929
Exact or approximate P value?	Gaussian

	Approximation
P value summary	ns
Do the medians vary signif. (P < 0.05)	No
Number of groups	5
Kruskal-Wallis statistic	4.098

Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
Biru vs Hitam	-10.50	No	ns
Biru vs Kuning	9.944	No	ns
Biru vs Merah	1.069	No	ns
Biru vs Putih	-11.23	No	ns
Hitam vs Kuning	20.45	No	ns
Hitam vs Merah	11.57	No	ns
Hitam vs Putih	-0.7315	No	ns
Kuning vs Merah	-8.875	No	ns
Kuning vs Putih	-21.18	No	ns
Merah vs Putih	-12.30	No	ns

3. Analisis konsentrasi berdasarkan Kelompok ukuran panjang cangkang kerang

Tabel 18. Analisis data konsentrasi mikroplastik berdasarkan ukuran panjang cangkang kerang

Colom statistic	A (2,75-3,40)	B (3,41-4,21)	C (4,22-5,24)
Number of values	22	39	47
Minimum	1.807	0.6350	0.2450
25% Percentile	2.279	1.325	0.5360
Median	3.512	1.639	0.9550
75% Percentile	4.809	2.727	1.485
Maximum	8.772	4.082	3.395
Mean	3.850	1.916	1.086
Std. Deviation	1.785	0.8882	0.7622
Std. Error	0.3806	0.1422	0.1112
Lower 95% CI of mean	3.058	1.628	0.8620
Upper 95% CI of mean	4.641	2.204	1.310
KS normality test			
KS distance	0.1138	0.08765	0.06230
P value	> 0.10	> 0.10	> 0.10
Passed normality test (alpha=0.05)?	Yes	Yes	Yes
P value summary	ns	ns	ns
Shapiro-Wilk normality test			
W	0.9662	0.9759	0.9777
P value	0.6230	0.5551	0.4992
Passed normality test (alpha=0.05)?	Yes	Yes	Yes
P value summary	ns	ns	ns

Test of Homogeneity of Variances

Konsentrasi Mikroplastik

Levene Statistic	df1	df2	Sig.
.405	2	104	.668

One-way analysis of variance	
P value	< 0.0001

P value summary	***				
Are means signif. different? (P < 0.05)	Yes				
Number of groups	3				
F	48.65				
R square	0.4810				
Bartlett's test for equal variances					
Bartlett's statistic (corrected)	26.41				
P value	< 0.0001				
P value summary	***				
Do the variances differ signif. (P < 0.05)	Yes				
ANOVA Table	SS	df	MS		
Treatment (between columns)	114.6	2	57.28		
Residual (within columns)	123.6	105	1.177		
Total	238.2	107			
Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
A (2,75-3,40) vs B (3,41-4,21)	1.934	9.455	Yes	***	1.246 to 2.623
A (2,75-3,40) vs C (4,22-5,24)	2.764	13.95	Yes	***	2.097 to 3.431
B (3,41-4,21) vs C (4,22-5,24)	0.8299	4.993	Yes	**	0.2703 to 1.389

4. Analisis konsentrasi mikroplastik berdasarkan indeks kondisi

Tabel 19. Analisis konsentrasi mikroplastik berdasarkan indeks kondisi 1

Colom statistic	A (2,75-3,40)	B (3,41-4,21)	C (4,22-5,24)
Number of values	22	39	46
Minimum	1.078	1.052	1.015
25% Percentile	1.278	1.225	1.211
Median	1.328	1.270	1.251
75% Percentile	1.386	1.320	1.299
Maximum	1.406	1.383	2.207
Mean	1.317	1.254	1.271
Std. Deviation	0.08963	0.08142	0.1635
Std. Error	0.01911	0.01304	0.02411
Lower 95% CI of mean	1.278	1.228	1.223
Upper 95% CI of mean	1.357	1.281	1.320

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelas	Statistic	df	Sig.	Statistic	df	Sig.
Konsentrasi Mikroplastik	Kelas A	.193	22	.033	.806	22	.001
	Kelas B	.157	39	.017	.946	39	.060
	Kelas C	.250	46	.000	.596	46	.000

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Konsentrasi MK			
Levene Statistic	df1	df2	Sig.
10.493	2	104	.000

Kruskal-Wallis test

P value	0.0011
Exact or approximate P value?	Gaussian Approximation
P value summary	**
Do the medians vary signif. (P < 0.05)	Yes
Number of groups	3
Kruskal-Wallis statistic	13.64

Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
A (2,75-3,40) vs B (3,41-4,21 cm)	25.86	Yes	**
A (2,75-3,40) vs C (4,22-5,24)	28.45	Yes	**
B (3,41-4,21 cm) vs C (4,22-5,24)	2.588	No	ns

Tabel 20. Analisis konsentrasi mikroplastik berdasarkan indeks kondisi 2

Colom statistic	A (2,75-3,40)	B (3,41-4,21)	C (4,21-5,24)
Number of values	23	39	47
Minimum	1.265	1.214	1.173
25% Percentile	1.486	1.428	1.407
Median	1.552	1.459	1.439
75% Percentile	1.590	1.523	1.495
Maximum	1.787	1.627	2.548
Mean	1.540	1.459	1.464
Std. Deviation	0.09164	0.08595	0.1848
Std. Error	0.01911	0.01376	0.02696
Lower 95% CI of mean	1.501	1.431	1.410
Upper 95% CI of mean	1.580	1.487	1.518

Test of Homogeneity of Variances

Indeks Kondisi			
Levene Statistic	df1	df2	Sig.
.594	2	105	.554

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Kelas	Statistic	df	Sig.	Statistic	df	Sig.
Indeks Kondisi	Kelas A	.169	23	.088	.875	23	.008
	Kelas B	.128	39	.108	.965	39	.259
	KelasC	.258	46	.000	.536	46	.000

a. Lilliefors Significance Correction

One-way analysis of variance	
P value	0.0576
P value summary	ns
Are means signif. different? (P < 0.05)	No
Number of groups	3
F	2.932
R square	0.05243
Bartlett's test for equal variances	
Bartlett's statistic (corrected)	27.67

P value	< 0.0001				
P value summary	***				
Do the variances differ signif. (P < 0.05)	Yes				
ANOVA Table	SS	df	MS		
Treatment (between columns)	0.1127	2	0.05634		
Residual (within columns)	2.036	106	0.01921		
Total	2.149	108			
Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
A (2,75-3,40) vs B (3,41-4,21)	0.08126	3.154	No	ns	-0.005471 to 0.1680
A (2,75-3,40) vs C (4,21-5,24)	0.07643	3.065	No	ns	-0.007515 to 0.1604
B (3,41-4,21) vs C (4,21-5,24)	-0.004827	0.2274	No	ns	-0.07628 to 0.06663

Tabel 21. Analisis konsentrasi mikroplastik berdasarkan indeks kondisi 3

Colom statistic	A (2,75-3,40)	B (3,41-4,21)	C (4,21-5,24)
Number of values	21	39	48
Minimum	0.1066	0.1240	0.1125
25% Percentile	0.1331	0.1490	0.1453
Median	0.1482	0.1657	0.1591
75% Percentile	0.1618	0.1814	0.1730
Maximum	0.1822	0.2085	0.2968
Mean	0.1482	0.1654	0.1632
Std. Deviation	0.01906	0.02060	0.03049
Std. Error	0.004160	0.003299	0.004400
Lower 95% CI of mean	0.1395	0.1587	0.1544
Upper 95% CI of mean	0.1569	0.1720	0.1721
KS normality test			
KS distance	0.09228	0.06610	0.1403
P value	> 0.10	> 0.10	0.0190
Passed normality test (alpha=0.05)?	Yes	Yes	No
P value summary	ns	ns	*

Test of Homogeneity of Variances

Indeks Kondisi

Levene Statistic	df1	df2	Sig.
1.286	2	105	.281

One-way analysis of variance

P value	0.0349		
P value summary	*		
Are means signif. different? (P < 0.05)	Yes		
Number of groups	3		
F	3.463		
R square	0.06189		
Bartlett's test for equal variances			
Bartlett's statistic	9.070		
P value	0.0107		
P value summary	*		
Do the variances differ signif. (P < 0.05)	Yes		
ANOVA Table	SS	df	MS
Treatment (between columns)	0.004425	2	0.002213

Residual (within columns)	0.06708	105	0.0006388		
Total	0.07150	107			
Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
A vs B	-0.01716	3.548	Yes	*	-0.03345 to -0.0008769
A vs C	-0.01505	3.218	No	ns	-0.03079 to 0.0006939
B vs C	0.002114	0.5487	No	ns	-0.01086 to 0.01509

5. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang

Tabel 22. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang (A)

Parameter	Indeks Kondisi 1	Indeks Kondisi 2	Indeks Kondisi 3
Number of XY Pairs	20	20	20
Pearson r	0.2296	0.04408	-0.4214
95% confidence interval	-0.2371 to 0.6102	-0.4065 to 0.4774	-0.7282 to 0.02607
P value (two-tailed)	0.3301	0.8536	0.0642
P value summary	ns	ns	ns
Is the correlation significant? (alpha=0.05)	No	No	No
R square	0.05272	0.001943	0.1776

Tabel 23. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang (B)

Parameter	Indeks Kondisi 1	Indeks Kondisi 2	Indeks Kondisi 3
Number of XY Pairs	39	39	39
Pearson r	0.1191	0.1127	-0.07326
95% confidence interval	-0.2041 to 0.4190	-0.2104 to 0.4135	-0.3801 to 0.2481
P value (two-tailed)	0.4701	0.4947	0.6576
P value summary	ns	ns	ns
Is the correlation significant? (alpha=0.05)	No	No	No
R square	0.01419	0.01269	0.005368

Tabel 24. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang (C)

Parameter	Indeks Kondisi 1	Indeks Kondisi 2	Indeks Kondisi 3
Number of XY Pairs	42	42	42
Pearson r	0.3716	0.2983	-0.3214
95% confidence interval	0.07624 to 0.6070	-0.006301 to 0.5522	-0.5697 to -0.01926
P value (two-tailed)	0.154	0.0550	0.380
P value summary	ns	ns	ns
Is the correlation significant? (alpha=0.05)	No	No	No
R square	0.0381	0.08897	0.033

6. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang

Tabel 25. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang (A)

Parameter	Panjang	Lebar	Tinggi
Number of XY Pairs	22	22	22
Pearson r	-0.5177	-0.3580	-0.3101
95% confidence interval	-0.7711 to -0.1229	-0.6775 to 0.07498	-0.6472 to 0.1284
P value (two-tailed)	0.0136	0.1018	0.1602
P value summary	*	ns	ns
Is the correlation significant? (alpha=0.05)	No	No	No
R square	0.2681	0.1282	0.09616

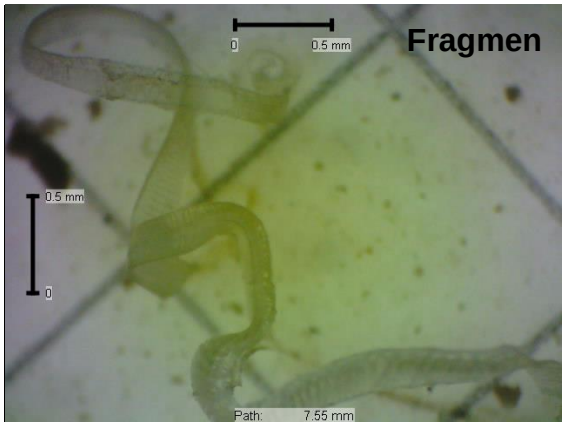
Tabel 26. Analisis korelasi konsentrasi mikroplastik mofometrik kerang (B)

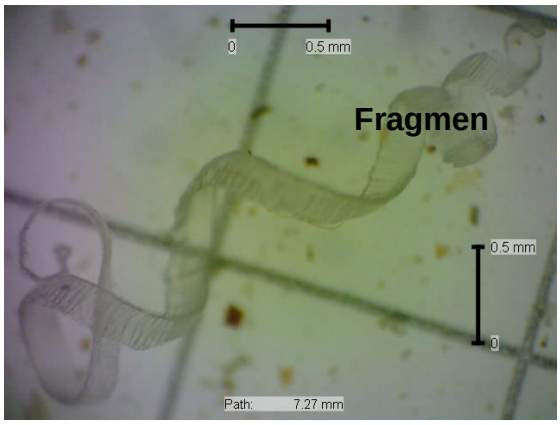
Parameter	Panjang	Lebar	Tinggi
Number of XY Pairs	39	39	39
Pearson r	-0.02206	-0.1508	-0.1657
95% confidence interval	-0.3353 to 0.2956	-0.4452 to 0.1730	-0.4574 to 0.1581
P value (two-tailed)	0.8940	0.3594	0.3133
P value summary	ns	ns	ns
Is the correlation significant? (alpha=0.05)	No	No	No
R square	0.0004866	0.02275	0.02747

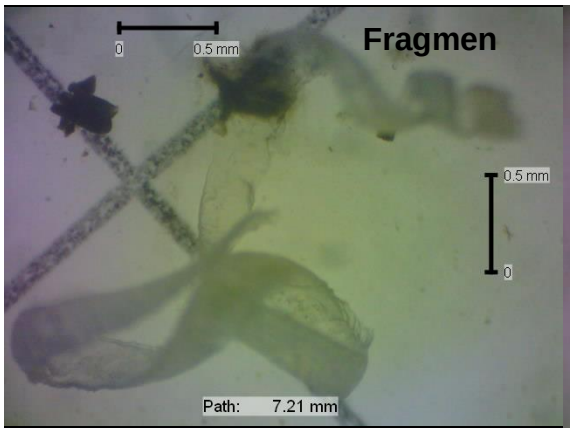
Tabel 27. Analisis korelasi konsentrasi mikroplastik dengan indeks kondisi kerang (C)

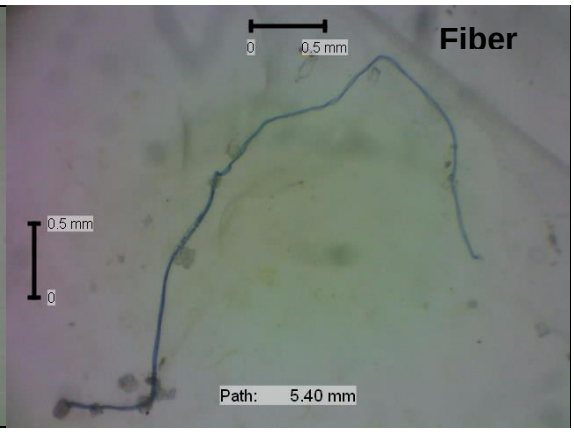
Parameter	Panjang	Lebar	Tinggi
Number of XY Pairs	46	46	46
Pearson r	-0.2583	-0.09374	-0.05591
95% confidence interval	-0.5104 to 0.03468	-0.3739 to 0.2021	-0.3407 to 0.2383
P value (two-tailed)	0.0831	0.5355	0.7121
P value summary	ns	ns	ns
Is the correlation significant? (alpha=0.05)	No	No	No
R square	0.06671	0.008788	0.003126

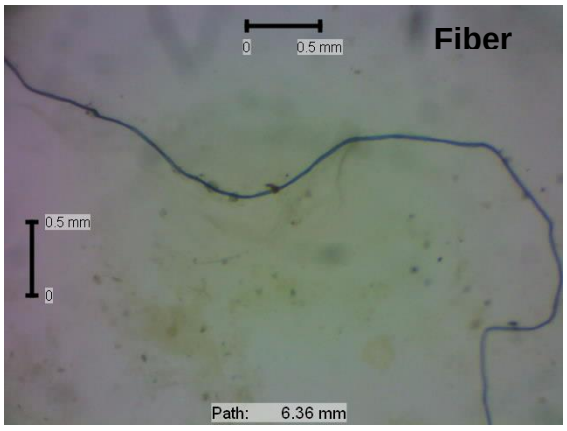
Lampiran 5. Makroplastik yang ditemukan pada kerang tahu

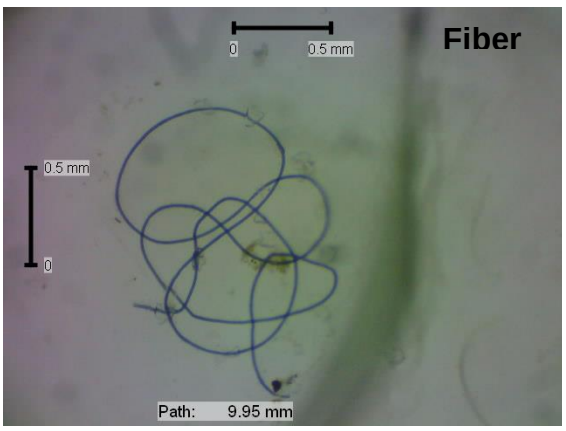






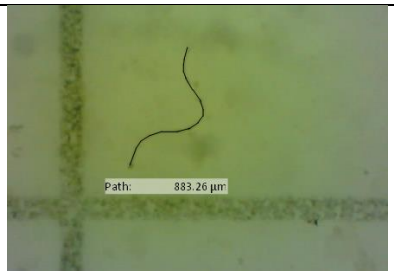
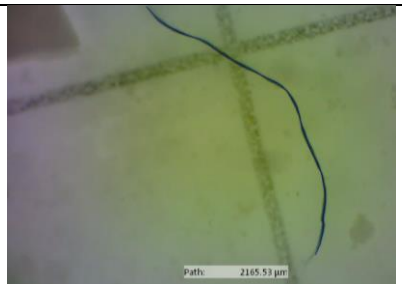






Lampiran 6. Mikroplastik yang ditemukan di kerang tahu (*M. meretrix*) pada berbagai kelompok ukuran panjang cangkang kerang

1. Kelompok ukuran panjang cangkang kerang 2,75 - 3,40 cm (kelas A)

No.	Gambar	Bentuk	Warna	Ukuran (mm)	Perbesaran
A1.1		Fiber	Hitam	0.64	4
A1.2		Fiber	Hitam	0.89	4
A1.3		Fiber	Biru	0.68	4
A2.1		Fiber	Hitam	0.89	4
A2.2		Fiber	Biru	2.16	4