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LAMPIRAN

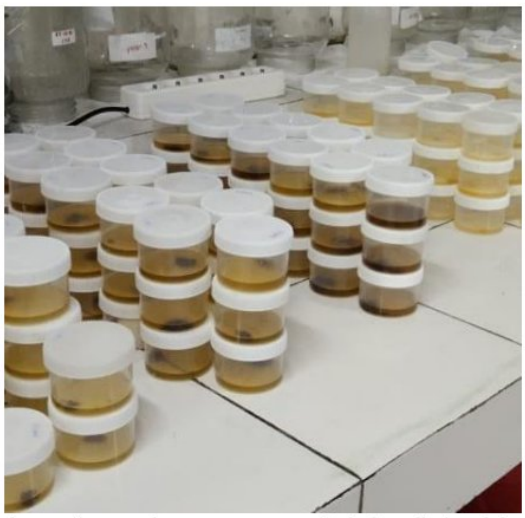
Lampiran 1. Dokumentasi kegiatan penelitian

Gambar 15. Proses pengambilan sampel kerang di Perairan Labakkang.

Gambar 16. Proses pemilahan ukuran kerang ke dalam tiga kelompok ukuran di lapangan

Lampiran 1. Lanjutan

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 10% hingga organ terlarut.

Lampiran 1. Lanjutan

Gambar 19. Proses Penyaringan/filtrasi sampel dan pengamatan karakteristik serta perhitungan jumlah mikroplastik pada tiap sampel

Gambar 20. Proses Analisis Jenis Polimer Mikroplastik menggunakan alat *Fourier Transform Infrared* (FTIR)

Lampiran 2. Data mikroplastik yang ditemukan pada organ hepatopankreas kerang hijau (*Perna viridis*) di Perairan Labakkang.

a. Ukuran kecil

No	Bentuk	Warna		Area	Mean	Min	Max	Ukuran (mm)
Sampel 1	film	transparan		2.35E-04	96.526	71.188	145.751	0.384
	film	transparan		0.001	70.48	41.667	94.367	1.817
	line	hitam		1.12E-04	117.537	105.059	138.316	0.183
sampel 2	film	transparan		4.72E-04	68.352	34.667	116.793	0.771
	film	transparan		6.38E-04	28.872	10.272	71.415	1.04
	film	transparan		2.86E-04	69.15	43.774	113.005	0.467
Sampel 3	K	O	S	O	N	G		
sampel 4	Line	hitam		8.55E-04	16.306	6.443	29	1.394
	Line	hitam		8.73E-04	71.237	21.13	149.77	1.425
	Line	hitam		0.001	119.861	21.667	238.42	2.127
sampel 5	Line	biru		7.55E-04	91.747	51.507	174.332	1.232
	Line	hitam		6.98E-05	102.782	93.813	124.598	0.114
	Line	biru		1.71E-04	123.115	79.3	148.667	0.28
	fragment	transparan		2.13E-04	106.376	75.793	138.944	0.346
sampel 6	line	transparan		6.52E-04	90.25	20.1	159.057	1.064
	line	hitam		6.12E-04	82.173	64.026	101.333	0.999
sampel 7	line	transparan		0.001	177.356	110.723	254.551	1.629
	line	transparan		4.44E-04	121.716	93.92	196.683	0.698
sampel 8	Line	biru		9.27E-04	129.057	25.193	213.43	1.457
	Line	hitam		0.001	103.999	51.254	252.448	1.832
	Line	biru		5.51E-04	87.336	55.023	128.301	0.867
	film	transparan		5.22E-04	162.159	136.509	185.634	0.822
sampel 9	Line	merah		0.001	92.792	23.333	158.314	1.992
	Line	hitam		6.87E-04	111.498	76.199	158.333	1.08
	Line	transparan		0.001	45.312	5.667	83.862	1.918
	Line	transparan		0.001	166.196	75.198	236.496	2.046
	Line	transparan		0.002	75.824	5.667	152.763	2.702
	Line	transparan		3.36E-04	155.006	131.697	174.333	0.549
	line	4		2.85E-04	101.965	71.331	145	0.464
	film	transparan		3.65E-04	121.527	65.644	167.664	0.596
	film	hijau		0.001	99.54	70.931	139.333	1.764
sampel 10	Line	transparan		5.71E-04	168.875	147.682	207.402	0.897
	foam	transparan		3.77E-04	128.051	115.434	146.602	0.592
	film	transparan		1.83E-04	64.991	32.709	106.381	0.288
sampel 11	line	hitam		1.28E-04	29.929	19.333	44.64	0.203
	line	biru		8.22E-04	84.143	40.684	152.078	1.312
sampel 12	line	hitam		5.89E-04	98.183	56.641	167	0.94
	film	transparan		2.30E-04	85.583	46.667	141.212	0.368
	line	transparan		4.48E-04	45.606	21.216	68.529	0.715
	line	hitam		4.02E-04	35.347	10.413	75.898	0.642
	line	hitam		0.001	139.882	88.811	202.323	1.909
	line	hitam		5.83E-04	102.763	48.268	170.833	0.916
sampel 13	film	transparan		5.50E-04	109.011	56.333	166.118	0.879
	fragment	transparan		7.40E-04	146.942	93.027	212.538	1.18
sampel 14	film	transparan		8.36E-04	142.601	111.627	165.917	1.334
sampel 15	line	transparan		4.16E-04	94.6	78.39	122.95	0.665
	line	transparan		0.002	102.381	55.311	184.271	3.643
	line	hitam		3.02E-04	72.935	53.225	112.136	0.482
	fragment	transparan		1.26E-04	96.196	82	127	0.2
	fragment	transparan		2.55E-04	74.58	39.36	109.268	0.407
sampel 16	line	biru		4.97E-04	109.48	58.667	149.331	0.793
	line	transparan		7.60E-04	170.117	82.02	214.402	1.196
	fragment	transparan		1.12E-04	111.343	83.006	161.306	0.179

Lampiran 2. Lanjutan

Sampel 17	line	transparan		3.43E-04	102.644	64.551	141.357	0.547
	line	transparan		3.59E-04	174.493	133.485	205.551	0.573
	line	transparan		2.14E-04	109.921	90.373	132.333	0.343
	line	transparan		2.54E-04	101.226	84.164	135.509	0.404
	film	transparan		2.71E-04	78.983	49.278	116.7	0.433
sampel 18	line	hitam		4.99E-05	97.757	82.061	115	0.079
	line	hitam		6.01E-05	65.787	57.35	98.884	0.096
	line	transparan		4.68E-04	90.328	56.333	123.301	0.746
	line	hitam		4.79E-04	135.72	94.033	168.058	0.764
	film	transparan		0.001	182.73	131.809	220.757	1.936
	fragment	transparan		4.12E-05	179.269	171.586	183.833	0.066
	fragment	transparan		7.66E-05	123.642	116.813	132.076	0.122
sampel 19	line	transparan		4.89E-04	192.707	143.462	220.333	0.78
	line	transparan		9.30E-05	221.995	205.633	234.879	0.148
	line	transparan		0.001	128.113	5.667	240.624	2.053
	line	transparan		3.86E-04	21.21	8.003	36.502	0.617
	line	biru		4.28E-04	154.608	109.33	199.387	0.686
	fragment	transparan		8.40E-05	224.9	212.012	240.453	0.134
	film	transparan		1.80E-04	212.585	181.333	239.634	0.287
	line	transparan		5.28E-04	166.973	102.254	211.33	0.843
sampel 20	line	biru		2.61E-04	110.125	93	128.219	0.416
sampel 21	line	transparan		1.46E-04	199.923	191.862	207.667	0.234
	line	biru		5.94E-04	104.886	79.013	160.982	0.948
	line	transparan		4.96E-04	95.988	38.807	160.869	0.793
	line	transparan		3.45E-04	148.625	129.594	179.534	0.551
sampel 22	line	hitam		0.001	82.654	19.106	130.6	1.763
	line	transparan		4.84E-04	80.444	44.511	106.416	0.772
	line	transparan		4.24E-04	91.741	55.667	149.659	0.676
	line	transparan		5.11E-04	205.059	187.51	222.145	0.816
	line	transparan		3.84E-04	171.281	105.742	212.821	0.614
	line	merah		6.60E-04	131.172	68.635	164.583	1.053
	film	transparan		2.72E-04	115.122	80.137	137.07	0.434
sampel 23	fragment	transparan		1.92E-04	57.677	38.385	86.643	0.306
	line	biru		8.35E-04	56.695	20.676	102.514	1.333
	line	hitam		5.09E-04	152.118	89.333	218.544	0.812
	line	hitam		0.002	75.934	6	214.651	3.114
	line	transparan		7.86E-04	52.307	30.84	88.609	1.255
	line	hitam		5.68E-04	107.177	65.933	140.211	0.906
	line	hitam		0.001	75.144	21.188	181.894	2.067
	line	hitam		3.53E-04	64.588	47	89.417	0.564
	line	hitam		7.76E-04	121.424	90.953	165	1.239
	line	hitam		9.38E-05	122.955	114.163	133.667	0.15
sampel 24	Fragment	transparan		1.26E-04	135.942	123.397	168.13	0.201
sampel 25	line	hitam		1.04E-04	80.721	62.189	105.667	0.167
sampel 26	fragment	transparan		2.05E-04	103.08	72.381	122.565	0.327
	fragment	transparan		1.07E-04	90.382	70.252	158.534	0.171
	film	transparan		3.25E-04	130.635	69.028	164.693	0.518
	film	transparan		4.08E-04	127.966	98.784	159.205	0.651
	line	hitam		4.43E-04	126.223	64.7	179.974	0.706
	line	hitam		6.12E-05	166.934	139.586	211.591	0.098
	line	hitam		1.32E-04	79.78	66.217	94.297	0.21
sampel 27	K	O	S	O	N	G		

Lampiran 2. Lanjutan

sampel 28	film	transparan		5.87E-04	87.483	52.192	129.721	0.937
	line	merah		5.48E-04	123.338	98.206	169.257	0.875
	line	hitam		3.09E-04	30.69	20.172	39.333	0.493
	line	hitam		1.29E-04	99.986	87.21	120.312	0.206
	line	transparan		4.04E-05	117.448	106.488	141	0.064
sampel29	line	hitam		2.96E-04	42.457	32.916	60.856	0.473
	line	hitam		1.61E-04	59.645	25.493	78.376	0.256
	line	transparan		5.64E-04	67.435	35.667	91.619	0.901
	line	merah		6.89E-04	88.768	52.258	134.333	1.1
	film	transparan		8.21E-05	106.09	83.785	131.667	0.13
	film	transparan		1.59E-04	117.135	93.117	166.62	0.253
	film	transparan		2.18E-04	45.102	20.826	92.49	0.348
sampel 30	line	biru		6.31E-04	123.972	84.004	183	1.007
	line	transparan		2.03E-04	137.21	118.013	150.333	0.324
	line	transparan		2.65E-04	53.677	38	77.198	0.423
	line	transparan		7.35E-04	69.385	28.474	103.676	1.174
	line	transparan		2.30E-04	46.382	38.59	55.828	0.367
	film	transparan		2.25E-04	25.113	6.156	41.036	0.358
	film	transparan		1.95E-04	10.824	1.667	24.646	0.312
sampel31	line	transparan		3.29E-04	153.009	116.12	193.61	0.526
	line	transparan		2.67E-04	174.635	153.455	196.461	0.425
	line	biru		0.001	43.489	25.242	113.317	1.845
	line	transparan		4.04E-04	85.396	52.837	122.667	0.644
	line	transparan		1.06E-04	65.159	55.864	76.909	0.169
	line	transparan		2.43E-04	71.526	53.64	88.333	0.388
	line	transparan		3.49E-04	142.605	108.031	179.883	0.557
	line	transparan		2.37E-04	115.86	91.81	140.336	0.379
	line	hitam		9.92E-04	141.158	101.478	174.351	1.582
	line	transparan		3.22E-04	55.262	22	91.798	0.514
	film	transparan		5.18E-04	117.351	42.063	188.734	0.826
sampel 32	line	transparan		1.04E-04	36.212	25.697	49.334	0.165
	line	transparan		6.73E-04	89.688	43.318	160.67	1.073
Sampel 33	film	transparan		4.54E-04	84.459	56.273	131.798	0.713
	fragment	transparan		5.10E-04	119.867	63.333	171.667	0.814
	line	transparan		4.87E-04	120.729	69.48	166.799	0.776
	line	merah		5.17E-04	166.877	119.882	194.869	0.824
	line	biru		2.03E-04	143.023	115.752	171.963	0.323
	line	biru		3.36E-04	136.766	108.326	167.102	0.536
	line	hitam		3.29E-04	27.686	7	54.13	0.524
	line	transparan		4.64E-04	148.329	100.374	195.115	0.74
	line	transparan		6.99E-04	140.809	114.505	164.849	1.117
	line	transparan		3.51E-04	121.701	97.368	140.311	0.56
	line	transparan		1.77E-04	123.246	108.228	142.924	0.283
	line	transparan		3.56E-04	104.619	72.335	152.68	0.568
	line	transparan		7.77E-05	85.721	76.1	101.942	0.124
	line	hitam		9.74E-05	112.14	96.667	142.307	0.155
	line	transparan		5.71E-04	116.269	67.671	149.505	0.912
	line	transparan		5.91E-04	140.734	79.701	199.252	0.943

Lampiran 2. Lanjutan

b. Ukuran Sedang

No	Bentuk	Warna		Area	Mean	Min	Max	Ukuran (mm)
sampel 1	Line	biru		1.33E-06	51.764	37.507	72.263	0.023
	Line	hitam		2.51E-06	23.553	14.914	44.047	0.043
sampel 2	fragment	transparan		8.45E-07	83.813	66.916	98.506	0.014
	fragment	transparan		3.00E-07	105.2	92.25	122.602	0.005
	film	transparan		3.43E-06	185.358	155.667	204.016	0.058
	film	transparan		4.74E-06	162.598	123.667	188.275	0.08
	film	transparan		3.01E-06	68.268	27.434	88.495	0.051
	film	transparan		2.10E-06	110.852	86.73	134.97	0.036
	film	transparan		2.26E-06	84.228	57.708	126.39	0.038
	film	transparan		2.35E-06	76.975	64.999	91.332	0.04
sampel 3	film	transparan		4.10E-06	169.235	131	204.691	0.069
	film	transparan		3.16E-06	143.883	118.333	168.333	0.053
	line	transparan		9.49E-06	107.823	34.324	188.574	0.161
	line	transparan		6.07E-06	73.877	11	150.287	0.103
	line	biru		6.86E-06	29.827	9.667	58.304	0.116
	line	transparan		7.15E-06	166.857	110.823	214.231	0.121
	line	transparan		2.29E-06	77.059	57.24	115.155	0.039
	fragment	transparan		1.54E-06	191.264	161.333	201.21	0.026
	fragment	transparan		7.06E-07	77.169	59.79	100.827	0.012
	fragment	transparan		7.27E-07	156.065	116.936	204.505	0.012
	fragment	transparan		1.52E-06	198.552	156.647	206.667	0.026
sampel 4	film	transparan		8.12E-06	96.372	6.672	178.579	0.137
	line	transparan		1.28E-06	131.485	109.716	186.886	0.022
	line	transparan		1.67E-06	156.806	129.643	181.129	0.028
	fragment	transparan		4.96E-07	161.37	149.356	178.675	0.008
	fragment	transparan		3.74E-07	90.92	81.259	116.667	0.006
	fragment	transparan		6.39E-07	87.139	72	106.197	0.011
sampel 5	line	transparan		7.66E-06	78.58	38.983	129.667	0.13
	line	transparan		4.34E-06	89.595	68.897	153.851	0.073
	line	transparan		1.46E-06	32.448	22.365	44.78	0.025
	line	transparan		1.17E-05	87.724	46.482	148.143	0.198
	line	transparan		8.49E-07	157.31	115.66	169	0.014
	film	transparan		3.17E-06	77.244	47.025	102.614	0.054
	fragment	transparan		4.75E-07	33.817	27.832	49.667	0.008
sampel 6	line	hitam		3.70E-06	93.716	50.323	173.078	0.063
	fragment	transparan		2.97E-06	61.449	24.667	112.127	0.05
	fragment	transparan		2.87E-06	27.139	8.744	82.012	0.049
	film	transparan		2.54E-06	104.484	63.461	153.93	0.043
	film	transparan		2.15E-06	108.408	49.269	186.305	0.036
sampel 7	line	transparan		5.95E-06	119.654	79.853	175.895	0.101
	line	transparan		3.81E-06	78.285	41.238	118.783	0.064
	line	transparan		3.57E-06	43.288	22.333	66.333	0.061
	line	transparan		4.17E-06	73.065	34.333	94.667	0.071
	line	transparan		4.24E-06	124.055	92.489	153.333	0.072
	line	transparan		4.44E-06	93.453	62.641	128.715	0.075
	line	transparan		3.89E-06	52.902	35.682	75.064	0.066
	film	transparan		3.64E-06	38.023	18.801	64.63	0.062
	fragment	transparan		7.30E-07	85.992	78.148	97.715	0.012
sampel 8	line	hitam		5.52E-06	47.947	26.667	96.65	0.093
	line	transparan		5.65E-06	72.58	12	124.046	0.096
	line	biru		4.46E-06	76.395	41.985	125.456	0.076
	fragment	transparan		1.65E-06	96.687	62.963	153.681	0.028
	film	transparan		1.76E-06	162.058	113.733	197.342	0.03

Lampiran 2. Lanjutan

sampel 9	line	transparan		8.82E-06	90.577	5.704	182.964	0.149
	line	transparan		6.10E-06	92.038	18.021	161.512	0.103
	line	transparan		6.40E-06	94.271	24.833	151.483	0.108
	line	transparan		7.79E-07	171.978	154.191	185	0.013
	line	transparan		3.03E-06	172.049	133.854	211.244	0.051
	line	transparan		3.73E-06	160.472	126.992	254.017	0.063
	line	transparan		3.56E-06	100.745	78	123.097	0.06
	line	transparan		5.20E-06	89.849	42.328	147.917	0.088
	film	transparan		4.19E-06	55.742	29.264	158.426	0.071
	film	transparan		3.23E-06	117.674	89.044	154.252	0.055
	film	transparan						
sampel 10	line	transparan		5.71E-06	85.093	51.013	148.588	0.097
	line	transparan		6.53E-06	105.056	32.333	153.333	0.11
	line	transparan		5.54E-06	150.822	124.333	178.564	0.094
	line	transparan		3.20E-06	99.071	67.93	125.892	0.054
	line	transparan		5.84E-06	152.462	103.649	184.228	0.099
	line	transparan		2.27E-06	146.009	127.766	162.347	0.038
	line	transparan		9.57E-07	119.699	108.291	141.61	0.016
	film	transparan		5.71E-06	67.097	15.246	136.216	0.097
	film	transparan		2.59E-06	141.312	113.956	175.665	0.044
	fragment	transparan		3.12E-06	91.633	69.884	127.035	0.053
	fragment	transparan		1.69E-06	55.347	43.42	67.642	0.029
	fragment	transparan		8.28E-07	139.755	97.266	228.314	0.014
	fragment	transparan		1.34E-06	133.436	100.917	151.989	0.023
	fragment	transparan		1.35E-06	117.436	83.19	146.921	0.023
	fragment	transparan		2.04E-06	124.982	99.737	154.848	0.034
	fragment	transparan		8.14E-07	88.626	70.715	107.648	0.014
	fragment	transparan		8.00E-07	101.731	81.618	137.253	0.014
sampel 11	line	transparan		5.11E-06	127.521	66.52	210.589	0.087
	line	transparan		3.98E-06	178.711	101	251.667	0.067
	line	transparan		3.19E-06	201.187	172.247	254.308	0.054
	line	transparan		1.01E-05	160.106	89.08	222.044	0.171
	line	transparan		5.34E-06	144.646	83.069	179.254	0.09
	line	transparan		3.78E-06	164.69	103.699	219.917	0.064
	line	transparan		1.94E-06	181.663	149.34	221.222	0.033
	fragment	transparan		1.70E-06	236.987	202.761	255	0.029
	film	transparan		1.31E-05	159.383	106.205	255	0.221
sampel 12	line	transparan		7.77E-06	217.27	153.904	255	0.131
	line	transparan		3.09E-06	140.255	85	175.239	0.052
	line	transparan		3.72E-06	110.514	66.749	193.408	0.063
	line	transparan		3.07E-06	71.612	21.566	127.667	0.052
sampel 13	line	transparan		1.46E-05	184.217	63.667	253.411	0.247
	line	transparan		9.22E-06	140.913	75.001	226.259	0.156
	line	transparan		4.24E-06	66.775	21.674	130.341	0.072
	film	transparan		8.67E-06	118.819	13.786	211.667	0.147
	fragment	transparan		1.08E-06	132.671	67.887	194.752	0.018
	fragment	transparan		5.27E-07	95.934	83	105.667	0.009
sampel 14	fragment	merah		6.81E-07	50.413	39.914	75.303	0.012
	fragment	transparan		6.43E-07	71.203	56.77	97.132	0.011
	fragment	transparan		8.00E-07	65.867	43.693	107.586	0.013
	fragment	transparan		1.03E-06	24.108	12	80.881	0.017
	film	transparan		1.85E-06	74.478	53.167	106.512	0.031
	film	transparan		9.71E-07	81.127	59.355	134	0.016
	line	transparan		1.33E-06	35.52	22.563	57.18	0.022

Lampiran 2. Lanjutan

sampel 15	line	transparan		3.78E-06	41.513	18.667	65.333	0.064
	film	transparan		1.18E-06	9.82	6.667	17.996	0.02
	line	biru		7.49E-06	42.74	6.784	170.543	0.127
	fragment	hitam		4.54E-07	20.217	9	41.333	0.008
sampel 16	line	transparan		7.13E-06	91.526	54.662	158.318	0.121
	line	transparan		9.73E-06	89.333	38.222	157.88	0.165
	line	transparan		2.57E-06	85.524	74.94	101.655	0.043
	film	transparan		3.26E-06	123.798	94.581	142.716	0.055
sampel 17	line	transparan		2.81E-06	105.598	68	144.217	0.047
	line	transparan		4.10E-06	51.855	38.853	69.287	0.069
	film	transparan		1.66E-06	102.796	83.498	129.804	0.028
	film	transparan		2.58E-06	54.91	36.667	73.667	0.044
sampel 18	line	transparan		1.07E-05	108.783	61.33	149.272	0.181
	line	transparan		4.63E-06	106.744	72.084	160.457	0.078
	line	transparan		5.07E-07	177.373	161.223	198.135	0.009
	line	transparan		8.45E-07	155.325	147.94	180.252	0.014
	line	transparan		9.68E-07	159.126	146.029	177.333	0.016
	line	transparan		3.06E-06	64.186	44.059	98.152	0.052
	line	transparan		5.67E-06	161.453	116.761	196.981	0.096
	line	transparan		1.11E-06	95.089	86.21	111.333	0.019
	fragment	transparan		1.23E-06	78.733	54.956	153	0.021
	fragment	transparan		1.16E-06	80.813	46.419	121.405	0.02
	film	transparan		4.73E-06	105.663	56.333	141	0.08
	film	transparan		2.89E-06	84.507	36.879	136.537	0.049
sampel 19	line	transparan		5.12E-06	117.929	72.223	170.033	0.087
	line	hitam		7.61E-07	162.775	144.667	184.737	0.013
	line	transparan		9.68E-07	157.395	142.716	191.825	0.016
	line	transparan		4.96E-07	122.429	103.164	156.333	0.008
	fragment	transparan		1.22E-06	159.868	139.054	180.921	0.021
	film	transparan		1.47E-06	114.55	83.667	150.605	0.025
	film	transparan		8.28E-07	86.828	67.268	129.965	0.014
sampel 20	line	transparan		3.78E-06	77.106	42.465	104.382	0.064
	line	transparan		7.50E-06	143.084	69.493	194.878	0.127
	line	transparan		1.08E-06	112.713	100.464	142.07	0.018
	line	transparan		9.19E-07	151.795	135.967	190.333	0.016
	line	transparan		7.30E-07	98.152	92.645	110.639	0.012
	line	transparan		9.68E-07	87.58	76	108.178	0.016
	line	transparan		2.66E-06	74.793	24.319	113.431	0.045
	line	transparan		1.80E-06	22.302	8.018	41.682	0.03
	line	transparan		7.30E-07	146.659	125.554	172.53	0.012
	line	transparan		5.56E-06	130.46	66.394	163.771	0.094
	line	transparan		3.84E-06	163.311	127.005	198.826	0.065
	line	hitam		1.25E-06	171.362	145.986	199.982	0.021
	line	hitam		1.61E-06	150.731	133.243	164	0.027
	film	transparan		1.25E-06	23.917	14	37.308	0.021
	film	transparan		1.33E-06	147.368	113.04	193	0.023

Lampiran 2. Lanjutan

sampel 21	line	transparan		2.99E-06	96.45	60.817	168.051	0.051
	line	transparan		4.46E-06	75.032	29.672	130.415	0.076
	line	transparan		3.64E-06	36.846	20.305	58.551	0.062
	line	biru		9.73E-06	56.202	20	95.115	0.165
	line	biru		7.07E-06	141.31	51.1	217.295	0.12
	line	transparan		9.01E-07	144.334	124.344	164.516	0.015
	line	biru		2.46E-06	82.504	53.667	117.411	0.042
	line	transparan		2.69E-06	125.464	93.409	184.152	0.046
	line	transparan		7.77E-06	152.879	87.143	205.343	0.132
	line	hitam		1.04E-06	181.149	172.884	203.624	0.018
	line	transparan		5.17E-07	181.774	157.881	211.933	0.009
	line	hitam		9.16E-06	49.984	5.667	137.062	0.155
	line	transparan		6.67E-07	53.66	47.669	69.735	0.011
	fragment	transparan		7.44E-07	107.892	91.823	119.514	0.013
	film	transparan		1.17E-06	91.311	71.28	131.41	0.02
	film	transparan						
sampel 22	line	hitam		8.07E-07	145.21	118.744	182.667	0.014
	line	transparan		1.63E-06	161.881	134.152	192.333	0.028
	line	hitam		1.02E-06	36.36	23.667	73.333	0.017
	film	transparan		6.41E-06	105.861	41.333	199.27	0.108
	film	transparan		1.45E-06	112.287	88.682	152.201	0.024
	fragment	transparan		1.67E-06	76.602	68.808	102.18	0.028
	fragment	transparan		6.64E-07	68.595	57.333	102.812	0.011
sampel 23	K	O	S	O	N	G		
sampel24	line	transparan		5.69E-04	123.232	75.097	165.333	0.894
	film	transparan		2.90E-04	188.165	140.249	216.688	0.456
sampel 25	line	transparan		0.001	76.656	44.512	128.482	2.261
	line	transparan		4.93E-04	136.341	91.899	163.461	0.775
	line	hitam		1.00E-04	128.685	113.714	151.355	0.158
	line	hitam		3.54E-04	77.793	67.211	94.437	0.556
	line	transparan		4.78E-04	130.668	54.58	183.667	0.752
	line	transparan		5.71E-05	60.5	53.226	75	0.089
	line	hitam		1.34E-04	44.551	34.873	64.677	0.211
	line	hitam		1.47E-04	18.763	13.49	26.667	0.23
	line	hitam		1.22E-04	26.257	21.667	43	0.192
	fragment	transparan		1.29E-04	111.039	49.616	199.446	0.203
sampel 26	line	hitam		2.04E-04	50.103	39.821	63.262	0.321
	film	transparan		1.26E-04	113.315	94.832	130	0.198
	fragment	hitam		1.54E-04	79.778	58.654	137.206	0.241
sampel27	line	hitam		2.29E-04	52.129	37	82.874	0.361
	line	hitam		4.94E-04	54.805	28.466	91.175	0.777
	line	transparan		3.20E-04	140.907	106.63	170.424	0.503
	line	transparan		1.04E-04	111.422	104.102	122.189	0.163
	line	transparan		2.25E-04	65.764	42.333	85.376	0.353
	line	transparan		2.60E-04	149.459	122.969	162.667	0.408
	line	transparan		3.98E-04	142.198	124.731	154.999	0.625
	line	transparan		1.59E-04	65.593	50.962	96.338	0.251
	fragment	transparan		1.70E-04	144.953	128.983	165.354	0.267
	film	transparan		1.26E-04	104.983	89.243	125.982	0.198
	film	transparan		9.27E-05	119.786	108	140	0.145
	film	transparan		4.42E-04	55.758	22.375	104.095	0.694
sampel 28	line	transparan		3.24E-04	160.083	144.218	193.597	0.51
	line	transparan		1.82E-04	145.09	113	158.667	0.286
	line	hitam		5.65E-04	185.672	167.279	203.306	0.888
	line	transparan		1.40E-04	34.673	27.667	43.391	0.219
	film	transparan		2.56E-04	41.352	29.889	50.545	0.403

Lampiran 2. Lanjutan

sampel29	line	transparan		3.24E-04	150.791	134.869	165.333	0.509
	line	transparan		1.31E-04	139.449	130.774	153.333	0.205
	line	hitam		5.37E-04	64.51	31.257	82.582	0.844
	line	transparan		1.28E-04	86.21	70.145	103.29	0.201
	line	transparan		4.71E-04	72.099	31.7	146.363	0.741
	line	transparan		4.66E-04	142.208	116.585	165.603	0.732
	line	transparan		9.92E-04	165.782	117.903	200.667	1.559
	line	transparan		5.46E-04	80.336	44	120.231	0.858
	film	transparan		1.38E-04	84.832	71.422	132.135	0.217
	film	transparan		1.32E-04	135.983	112.733	157.333	0.208
	film	transparan		1.83E-04	141.212	114.195	161.667	0.287
sampel 30	line	transparan		4.55E-04	143.04	85.529	177.048	0.715
	line	transparan		7.74E-04	162.607	87.895	203.028	1.217
	line	transparan		1.05E-04	147	134.625	159.482	0.165
	line	hitam		1.32E-04	13.546	11.333	18	0.206
	line	hitam		1.03E-04	19.132	14.199	31.287	0.161
	film	transparan		4.23E-04	66.929	29.333	143.956	0.666
sampel 31	line	transparan		3.04E-04	156.625	124.219	177.549	0.477
	line	transparan		4.40E-04	82.742	42.733	136.24	0.691
	line	transparan		0.001	107.879	58.665	156.192	1.835
	line	hitam		7.20E-04	53.513	23.667	122.313	1.131
	film	transparan		3.16E-04	62.097	36.012	104.901	0.498
	fragment	transparan		0.001	116.141	81.89	163.723	1.95
	fragment	transparan		1.45E-04	37.371	32.046	51.951	0.228
sampel 32	line	transparan		8.00E-04	112.048	37.874	165.748	1.256
	line	transparan		0.001	130.16	57.636	196.709	2.292
	line	transparan		3.10E-04	25.278	7.053	43.333	0.488
	line	hitam		0.001	121.993	75	193.841	2.079
	line	hitam		5.07E-04	165.354	126.361	200.889	0.798
	film	transparan		2.70E-04	145.726	125.199	165.532	0.424
	film	transparan		1.17E-04	120.27	103.656	134.715	0.184
sampel 33	line	transparan		3.99E-04	119.877	97.61	136.017	0.626
	line	transparan		5.09E-04	110.228	83.253	140.678	0.801
	line	transparan		5.60E-04	162.884	124.626	196	0.88
	line	transparan		4.15E-04	198.856	168.136	210.467	0.652
	line	hitam		1.27E-04	147.602	141	161.955	0.199
	line	transparan		3.06E-04	197.58	166.31	207.953	0.481
	line	biru		2.14E-04	118.326	99.634	140.211	0.335
	line	transparan		0.001	108.021	15.885	176.646	1.872
	line	transparan		0.001	80.429	50.657	141.9	2.353
	line	transparan		5.41E-04	105.525	64.54	139.395	0.851
	film	transparan		4.69E-04	123.623	102.667	145.567	0.737
	fragment	transparan		1.53E-04	141.165	104.012	151.667	0.24

Lampiran 2. Lanjutan

c. Ukuran Besar

No	Bentuk	Warna		Area	Mean	Min	Max	Ukuran (mm)
sampel 1	fragment	transparan		3.81E-04	87.07	77.252	124	0.599
	fragment	transparan		6.92E-05	66.196	48.085	147.552	0.109
	film	transparan		2.41E-04	63.556	31.768	113.947	0.379
	line	hitam		0.001	166.577	90.973	231.698	1.823
sampel 2	line	transparan		5.25E-04	137.558	106.997	182.756	0.825
	fragment	transparan		1.76E-04	48.079	30.705	72.333	0.277
sampel 3	line	hitam		8.44E-04	87.166	19.879	158.624	1.327
	line	hitam		3.08E-04	141.272	119.683	159.667	0.484
	line	hitam		0.001	140.744	89.207	199.667	1.611
	line	hitam		7.45E-04	116.034	43.169	158.907	1.171
	line	hitam		2.88E-04	188.179	164.464	201.333	0.453
	line	hitam		3.62E-04	43.396	21.175	63.837	0.569
	line	transparan		4.88E-04	78.737	46.814	135.539	0.768
	line	transparan		0.002	129.93	26.286	209.636	2.589
	line	transparan		6.30E-04	167.605	83	202.39	0.99
	line	transparan		4.71E-04	107.866	61.028	142.241	0.741
	line	transparan		4.86E-04	100.949	50.333	164.659	0.765
	line	transparan		5.34E-04	73.237	32.681	136.637	0.84
	fragment	biru		1.61E-04	63.427	49.563	118.379	0.253
	fragment	biru		1.80E-04	58.239	37.123	103.683	0.282
sampel 4	line	transparan		6.95E-04	80.512	44.922	121.209	1.093
	line	transparan		5.48E-04	149.097	108.208	181.084	0.862
	line	transparan		3.14E-04	157.589	134.31	180.835	0.493
	film	transparan		7.54E-04	90.153	38.333	132.667	1.185
sampel5	line	transparan		2.08E-04	83.314	72.064	96.796	0.328
	line	transparan		7.12E-05	71.615	61.769	86.333	0.112
	line	transparan		1.65E-04	113.905	86.602	126.318	0.26
	line	transparan		1.98E-04	121.135	108.799	142.579	0.31
	line	transparan		1.11E-04	153.392	146.849	166.889	0.174
	line	transparan		1.89E-04	134.343	101.079	160.252	0.296
	line	transparan		1.64E-04	134.985	119.418	153.259	0.257
	film	transparan		1.35E-04	149.446	137.512	167.625	0.211
	fragment	transparan		3.48E-05	62.077	57.493	68.057	0.054
sampel 6	line	transparan		1.34E-04	115.299	94.296	154.851	0.211
	line	biru		8.13E-05	121.113	98.068	129.737	0.128
	line	transparan		9.91E-05	114.274	103	129.413	0.156
	film	transparan		6.52E-05	105.538	91.322	122.264	0.102
	fragment	transparan		1.21E-05	78.898	64.418	102.333	0.019
sampel 7	fragment	transparan		5.95E-05	71.186	62.407	98.717	0.093
sampel8	line	biru		4.52E-04	119.617	72.553	161.823	0.711
	line	biru		2.90E-04	78.033	50.87	101.278	0.455
	fragment	transparan		6.43E-05	127.04	110.926	135.437	0.101
	fragment	transparan		8.82E-05	95.596	63.667	119.604	0.138
sampel9	line	hitam		3.20E-05	82.564	77.448	93.333	0.05
	film	transparan		1.28E-04	107.826	65.773	149.317	0.2
	film	transparan		1.28E-04	136.157	112.801	152	0.2
	film	transparan		5.50E-05	111.551	96	128.667	0.086
sampel 10	film	transparan		8.86E-05	71.943	49.066	91.325	0.139
sampel11	film	transparan		1.03E-04	128.435	110.391	150.945	0.162
	film	transparan		2.03E-04	135.672	96.199	185.695	0.319
	fragment	transparan		2.05E-04	97.366	46.667	148.263	0.322

Lampiran 2. Lanjutan

sampel12	line	transparan		4.37E-05	106.7	83	127.958	0.068
	line	transparan		3.45E-04	88.753	44.237	142.83	0.542
	line	transparan		3.55E-04	85.914	52.667	149.932	0.557
	line	biru		2.15E-04	127.137	66	211.114	0.338
	film	transparan		2.43E-04	98.539	47.889	174	0.382
sampel 13	line	transparan		1.74E-04	66.861	47.139	107.222	0.273
	film	transparan		1.90E-04	104.122	64.779	147.504	0.299
	fragment	transparan		3.08E-05	64.351	54.757	70.82	0.049
sampel14	line	transparan		1.17E-04	108.061	70	132.557	0.183
	line	transparan		8.82E-05	112.098	87.281	131.824	0.138
	line	transparan		1.31E-04	129.863	89.321	160.332	0.206
	line	transparan		1.95E-04	119.293	85.259	162.853	0.306
	line	biru		9.02E-05	106.13	91.153	116.762	0.142
	fragment	transparan		1.68E-04	151.653	123.984	172.979	0.264
sampel 15	line	biru		1.42E-04	130.091	105.532	169.6	0.223
	line	biru		4.31E-04	128.048	32.333	187.937	0.677
	line	transparan		1.06E-04	153.103	138.933	168.049	0.168
	film	transparan		1.55E-04	106.163	57.067	145.487	0.244
sampel 16	line	transparan		1.45E-04	127.109	99.174	173.677	0.227
	line	transparan		1.07E-04	119.591	96.277	141.428	0.169
	line	transparan		1.79E-04	98.715	63.074	135.788	0.281
	film	transparan		1.61E-04	124.665	72.642	174.667	0.253
sampel 17	line	biru		6.48E-05	146.524	138.202	154.618	0.102
	line	biru		2.78E-04	107.433	60.858	168.333	0.437
	line	transparan		1.56E-04	136.028	104.698	177.624	0.245
	film	transparan		7.85E-05	122.314	91.086	145.038	0.123
sampel 18	line	biru		1.64E-04	95.621	67.324	120.745	0.258
	line	transparan		1.46E-04	131.063	87.111	180.96	0.229
	line	hitam		4.49E-05	154.554	142.895	173.31	0.07
	line	transparan		8.82E-05	140.041	115.157	165.826	0.139
	film	transparan		4.86E-05	118.397	99.65	136	0.076
	film	transparan		2.63E-05	96.302	81.984	107.319	0.041
	film	transparan		4.45E-05	133.058	124.985	147.414	0.07
	fragment	transparan		2.75E-05	135.32	119.991	140.165	0.043
	fragment	transparan		3.12E-05	94.376	85.981	106.039	0.048
sampel 19	line	transparan		4.09E-05	130.373	123.522	140.611	0.064
	line	transparan		5.26E-05	59.901	47.725	70.245	0.082
	fragment	transparan		3.20E-05	109.968	95.853	125.77	0.05
	fragment	transparan		1.34E-05	127.224	120.667	136	0.021

Lampiran 2. Lanjutan

sampel 20	line	transparan		1.31E-04	97.298	89.476	107.359
	line	transparan		1.36E-04	106.223	60.298	131.738
	line	transparan		3.08E-05	102.789	98.411	109.333
	line	transparan		5.14E-05	98.986	80.601	116.847
	line	transparan		1.82E-04	109.722	63.667	150.74
	line	transparan		7.28E-05	129.795	119	144.955
	line	transparan		9.27E-05	163.252	130.773	194.851
	line	transparan		3.26E-04	145.614	122.332	175.584
	line	transparan		1.36E-04	154.282	143.726	168.34
	line	transparan		2.13E-04	131.081	86.033	158.333
	line	transparan		1.46E-04	118.615	84.366	158.875
	line	transparan		1.06E-04	161.232	145	172.494
	line	transparan		1.66E-04	112.968	98.535	140.204
	line	transparan		9.87E-05	83.803	60.126	109.461
	line	transparan		3.36E-05	80.514	75.027	91
	line	transparan		1.02E-04	76.118	63.091	89.151
	line	transparan		9.23E-05	57.114	37.53	89.667
	line	transparan		2.08E-04	108.917	53.667	148.259
	line	transparan		8.50E-05	105.374	91.709	119.915
	line	transparan		2.32E-04	116.235	99.667	134.957
	line	transparan		5.38E-05	115.55	105.462	125.347
	line	transparan		9.91E-05	125.113	110.141	149.054
sampel 21	line	transparan		3.40E-05	137.846	131.447	148
	line	transparan		9.87E-05	151.629	106.363	175.333
	line	transparan		1.24E-04	133.934	110.345	160.667
	line	transparan		1.76E-04	114.736	95.811	131.667
	line	transparan		3.97E-05	89.149	82.992	97.97
	line	transparan		7.00E-05	108.228	92.424	124.026
	line	merah		1.09E-04	115.392	86.959	128.005
	line	biru		7.20E-05	90.777	71.994	110.667
	line	transparan		2.47E-04	128.676	58.681	172.015
	film	transparan		4.09E-05	105.771	80.849	126.928
	film	transparan		1.15E-04	95.938	55.667	147
sampel 22	film	transparan		5.38E-05	174.034	156.302	194.112
	fragment	transparan		2.27E-05	107.043	87.339	133.333
	fragment	transparan		2.51E-05	95.694	80.485	108.333
sampel 23	line	transparan		4.41E-05	123.231	116.334	136
	line	transparan		1.01E-05	147.634	137.17	154.615
	line	transparan		1.70E-05	128.962	123.24	147.006
	line	transparan		2.75E-05	133.393	120.46	144.957
	line	transparan		1.98E-05	79.493	75.815	86.667
	line	transparan		1.62E-05	85.18	75.667	93.726
	line	transparan		7.20E-05	88.143	66.853	106
	fragment	transparan		9.91E-05	95.866	71.667	146.643
sampel 24	line	transparan		7.77E-05	112.442	105.173	130.333
	fragment	transparan		2.83E-05	119.611	102.333	150.488

Lampiran 2. Lanjutan

sampel 25	line	biru		1.88E-04	100.884	82.234	129.826
	line	transparan		3.28E-05	93.6	80.577	120.225
sampel 26	line	biru		2.02E-04	70.533	29.348	94.744
	line	transparan		1.10E-04	106.142	90.485	126.601
	line	transparan		1.15E-04	74.846	32.392	101.17
	fragment	transparan		3.89E-05	89.942	75.331	125.081
	fragment	transparan		7.81E-05	110.865	97.851	140.638
	fragment	transparan		6.19E-05	43.674	28.734	72.834
sampel 27	line	hitam		5.91E-05	97.789	76.056	108.286
	line	hitam		2.55E-05	113.525	100.19	139.241
	line	biru		1.15E-04	61.742	48.47	82.511
	line	transparan		4.01E-05	67.906	61.571	78.333
	film	transparan		9.75E-05	111.811	96.06	129.333
	film	transparan		1.28E-04	84.444	52.333	111.698
sampel 28	line	transparan		1.02E-04	102.371	73.943	127.192
	fragment	transparan		1.98E-05	111.521	99.938	134.057
sampel 29	line	transparan		6.88E-05	150.083	137.77	157.641
	line	biru		4.81E-04	129.016	76.603	174.333
	line	hitam		1.46E-05	86.2	82.605	90.667
	fragment	transparan		1.57E-04	46.286	27	83.737
	film	transparan		3.76E-05	129.419	113.333	146.667
sampel 30	line	transparan		8.78E-05	97.721	73.979	135.468
	line	merah		7.04E-05	123.89	114.944	134.662
	line	merah		4.13E-05	113.697	106.592	125
	line	transparan		1.98E-04	132.194	115.008	152.157
	line	biru		1.22E-04	138.176	122.38	150.818
	film	transparan		4.69E-05	87.805	73.683	107.088
	film	transparan		3.08E-05	113.882	96.047	135.996
	film	transparan		3.40E-05	76.491	65.667	99.333
sampel 31	line	hitam		1.42E-04	102.453	63.45	127.667
	line	hitam		2.67E-05	123.542	109.391	150.766
	line	hitam		8.58E-05	85.905	71.305	106.999
	line	transparan		1.80E-04	85.158	45.075	134.385
	film	transparan		4.41E-05	122.584	109.223	132
	film	transparan		2.31E-05	88.43	79.883	120
sampel 32	line	hitam		3.00E-05	104.559	101.88	108.643
	line	hitam		6.56E-05	135.358	125.479	150.775
	line	hitam		1.09E-04	121.213	104.906	141.667
	line	transparan		2.10E-04	92.422	57.333	129.667
	line	transparan		1.56E-04	89.944	53	126.188
	line	transparan		5.22E-05	88.963	76.87	98.464
	line	transparan		1.13E-04	87.592	55.501	110.868
	film	transparan		2.71E-05	74.299	67.157	99
sampel 33	line	merah		2.38E-04	129.245	99.772	163.79
	line	hitam		8.54E-05	132.956	97.368	152.146
	line	hitam		7.12E-05	52.533	36	78.667
	line	hitam		1.00E-04	93.212	66.412	120.355
	line	transparan		1.02E-04	106.645	78.914	132.066
	line	transparan		7.32E-05	135.85	110.595	171.256
	line	biru		9.96E-05	87.877	64.381	118.498
	fragment	transparan		1.09E-04	69.343	55	88

Lampiran 3. Uji Statistik Perbandingan Konsentrasi Mikroplastik

Uji non parametrik *Kruskal Wallis*

1. Konsentrasi Mikroplastik Total

Table Analyzed	data keseluruhan konsentrasi
Kruskal-Wallis test	
P value	<0.0001
Exact or approximate P value?	Approximate
P value summary	****
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	32.04

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	0.9254	No	ns	>0.9999
kecil vs. besar	34.34	Yes	****	<0.0001
sedang vs. besar	33.41	Yes	****	<0.0001

2. Konsentrasi mikroplastik warna putih

Table Analyzed	putih
Kruskal-Wallis test	
P value	<0.0001
Exact or approximate P value?	Approximate
P value summary	****
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	31.89

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	-4.492	No	ns	>0.9999
kecil vs. besar	29.91	Yes	****	<0.0001
sedang vs. besar	34.40	Yes	****	<0.0001

3. Konsentrasi mikroplastik berwarna hitam

Table Analyzed	hitam
Kruskal-Wallis test	
P value	0.0002
Exact or approximate P value?	Approximate
P value summary	***
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	17.55

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	14.50	Yes	**	0.0025
kecil vs. besar	19.19	Yes	***	0.0008
sedang vs. besar	4.696	No	ns	>0.9999

Lampiran 3. Lanjutan

1. Konsentrasi mikroplastik berwarna biru

Table Analyzed	biru
Kruskal-Wallis test	
P value	<0.0001
Exact or approximate P value?	Approximate
P value summary	****
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	20.89

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	8.432	No	ns	0.2026
kecil vs. besar	16.72	Yes	****	<0.0001
sedang vs. besar	8.286	No	ns	0.1851

2. Konsentrasi mikroplastik berwarna merah

Table Analyzed	merah
Kruskal-Wallis test	
P value	0.0278
Exact or approximate P value?	Exact
P value summary	*
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	5.760

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	1.800	No	ns	>0.9999
kecil vs. besar	4.800	Yes	*	0.0492
sedang vs. besar	3.000	No	ns	>0.9999

3. Konsentrasi mikroplastik bentuk *serat*

Table Analyzed	line
Kruskal-Wallis test	
P value	<0.0001
Exact or approximate P value?	Approximate
P value summary	****
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	24.02

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	10.55	No	ns	0.3376
kecil vs. besar	32.28	Yes	****	<0.0001
sedang vs. besar	21.73	Yes	**	0.0026

Lampiran 3. Lanjutan

1. Konsentrasi mikroplastik bentuk *pecahan*

Table Analyzed	fragmnet
Kruskal-Wallis test	
P value	0.0018
Exact or approximate P value?	Approximate
P value summary	**
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	12.59

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	12.92	Yes	*	0.0147
kecil vs. besar	18.57	Yes	**	0.0055
sedang vs. besar	5.654	No	ns	>0.9999

2. Konsentrasi mikroplastik bentuk *film*

Table Analyzed	film
Kruskal-Wallis test	
P value	<0.0001
Exact or approximate P value?	Approximate
P value summary	****
Do the medians vary signif. (P < 0.05)?	Yes
Number of groups	3
Kruskal-Wallis statistic	27.84

Dunn's multiple comparisons test	Mean rank diff.	Significant?	Summary	Adjusted P Value
kecil vs. sedang	15.81	Yes	*	0.0211
kecil vs. besar	33.28	Yes	****	<0.0001
sedang vs. besar	17.47	Yes	**	0.0052

CURRICULUM VITAE

A. Data Pribadi

1. Nama	:	Nurul Qalbi. S
2. Tempa,tgl lahir	:	Palopo, 2 Januari 2003
3. Alamat	:	Jl. Andi Djemma ex Jend.Sudirman no.36
4. Kewarganegaraan	:	Indonesia

B. Riwayat Pendidikan

1. SD Negeri 75 Surutanga (2008-2014
2. SMP Negeri 1 Palopo (2014-2017)
3. SMA Negeri 3 Palopo (2017-2020)
4. Universitas Hasanuddin (2020-2024)

C. Pengalaman Organisasi

1. Sekretaris UKM Pencak Silat periode 2022
2. Koordinator Dewan Pertimbangan Organisasi UKM Pencak Silat periode 2023
3. Koordinator dewan kader di Tapak Suci Unit-44 Universitas Hasanuddin periode 2023