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LAMPIRAN

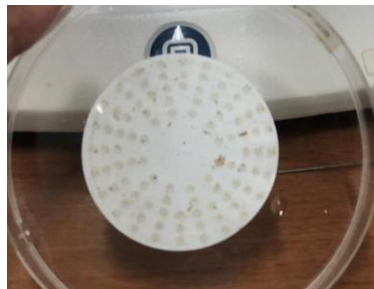
Lampiran 1. Dokumentasi Penelitian



Gambar 22. Pengambilan sampel air



Gambar 24. Sampel disaring menggunakan kertas saring *whatmann* dibawah *vacum pump*



Gambar 24. Sampel yang telah disaring



Gambar 25. Pengamatan menggunakan mikroskop

Lampiran 2. Data Mikroplastik Sampling I

No.	STASIUN	SUBSTASIUN	KOMPOSISI MIKROPLASTIK			
			MIKROPLASTIK	WARNA	BENTUK	UKURAN (mm)
1	STASIUN 1	GA-1	Mp.1	biru	Serpihan	1,12 mm
2			Mp.2	hitam	fiber	1.42 mm
3			Mp.3	hitam	fiber	1,87 mm
4			Mp.4	hitam	fiber	1,42 mm
5			Mp.5	hitam	fiber	0,90 mm
6			Mp.6	hitam	fiber	0,45 mm
7			Mp.7	hitam	fiber	1,73 mm
8			Mp.8	merah	fiber	0,67 mm
9			Mp.9	biru	fiber	2,27 mm
10			Mp.10	biru	fiber	0,74 mm
11			Mp.11	biru	fiber	1,55 mm
12			Mp.12	biru	fiber	0,93 mm
13			Mp.13	merah	fiber	1,62 mm
14			Mp.14	putih	fiber	2,43 mm
15			Mp.15	biru	Serpihan	1,66 mm
16		GA-2	Mp.16	biru	fiber	0,81 mm
17			Mp.17	biru	fiber	0,71 mm
18			Mp.18	biru	fiber	0,53 mm
19			Mp.19	biru	fiber	1,18 mm
20			Mp.20	biru	fiber	0,21 mm
21			Mp.21	biru	fiber	1,17 mm
22			Mp.22	merah	fiber	1,06 mm
23			Mp.23	merah	fiber	0,79 mm
24			Mp.24	biru	Serpihan	0,21 mm
25			Mp.25	biru	Serpihan	0,23 mm
26		GA-3	Mp.26	biru	Serpihan	0,18 mm
27			Mp.27	biru	Serpihan	0,18 mm
28			Mp.28	biru	Serpihan	0,20 mm
29			Mp.29	biru	fiber	1.01 mm
30			Mp.30	biru	fiber	0,97 mm
31			Mp.31	hitam	fiber	0,62 mm
32			Mp.32	hitam	fiber	0,71 mm
33	STASIUN 2	SA-1	Mp.33	biru	Serpihan	0,58 mm
34			Mp.34	biru	Serpihan	0,50 mm
35			Mp.35	biru	Serpihan	0,46 mm
36			Mp.36	putih	Serpihan	1,04 mm
37			Mp.37	putih	Serpihan	1,93 mm
38			Mp.38	biru	fiber	1,28 mm
39			Mp.39	biru	fiber	0,74 mm
40			Mp.40	biru	fiber	0,70 mm
41			Mp.41	biru	fiber	0,94 mm
42			Mp.42	merah	fiber	0,97 mm
43			Mp.43	hitam	fiber	0,66 mm

44			Mp.44	hitam	fiber	1,06 mm
45			Mp.45	hitam	fiber	0,45 mm
46			Mp.46	putih	fiber	1,50 mm
47			Mp.47	putih	fiber	2,21 mm
48			Mp.48	putih	fiber	2,09 mm
49		SA-2	Mp.49	putih	fiber	0,78 mm
50			Mp.50	putih	fiber	0,68 mm
51			Mp.51	hitam	Serpihan	0,26 mm
52			Mp.52	putih	Serpihan	0,61 mm
53			Mp.53	putih	Serpihan	0,45 mm
54			Mp.54	putih	Serpihan	0,36 mm
55			Mp.55	putih	Serpihan	0,73 mm
56			Mp.56	putih	Serpihan	0,67 mm
57			Mp.57	putih	Serpihan	0,83 mm
58			Mp.58	merah	fiber	1,39 mm
59			Mp.59	biru	fiber	0,92 mm
60			Mp.60	biru	fiber	0,70 mm
61			Mp.61	biru	fiber	1,28 mm
62			Mp.62	biru	fiber	0,93 mm
63			Mp.63	putih	fiber	1,18 mm
64			Mp.64	putih	fiber	0,78 mm
65			Mp.65	biru	Serpihan	1,03 mm
66			Mp.66	hitam	Serpihan	0,45 mm
67			Mp.67	hitam	Serpihan	0,57 mm
68			SA-3	Mp.68	orens	Serpihan
69		Mp.69		putih	Serpihan	0,17 mm
70		Mp.70		putih	Serpihan	0,36 mm
71		Mp.71		putih	Serpihan	0,12 mm
72		Mp.72		merah	fiber	1,04 mm
73		Mp.73		biru	fiber	0,76 mm
74		Mp.74		biru	fiber	1,07 mm
75		Mp.75		biru	fiber	0,68 mm
76		Mp.76		hitam	fiber	0,35 mm
77		Mp.77		biru	Serpihan	0,62 mm
78	STASIUN 3	MP-1	Mp.78	biru	fiber	1,04 mm
79			Mp.79	biru	fiber	1,85 mm
80			Mp.80	merah	fiber	0,44 mm
81			Mp.81	merah	fiber	0,92 mm
82			Mp.82	hitam	fiber	0,96 mm
83		Mp.83	biru	Serpihan	1,06 mm	
84		MP-2	Mp.84	hijau	Serpihan	0,94 mm
85			Mp.85	biru	fiber	1,20 mm
86			Mp.86	biru	fiber	2,08 mm
87			Mp.87	biru	fiber	0,61 mm
88			Mp.88	biru	fiber	1,15 mm
89	Mp.89		biru	fiber	2,86 mm	

90			Mp.90	hitam	fiber	1,68 mm
91			Mp.91	hitam	fiber	1,01 mm
92			Mp.92	hitam	fiber	2,52 mm
93			Mp.93	merah	fiber	1,35 mm
94			Mp.94	hijau	fiber	3,52 mm
95			Mp.95	hijau	fiber	1,76 mm
96			Mp.96	putih	fiber	1,08 mm
97			Mp.97	putih	fiber	1,61 mm
98			Mp.98	biru	fiber	0,86 mm
99			MP-3	Mp.99	biru	fiber
100	Mp.100	biru		fiber	0,65 mm	
101	Mp.101	hitam		fiber	1,14 mm	
102	Mp.102	hitam		fiber	1,150 mm	
103	Mp.103	hitam		fiber	1,20 mm	
104	Mp.104	merah		fiber	0,57 mm	
105	Mp.105	hijau		fiber	1,55 mm	
106	Mp.106	hijau		fiber	2,05 mm	
107	Mp.107	putih		fiber	2,73 mm	
108	Mp.108	putih		fiber	2,45 mm	
109	Mp.109	putih	fiber	3,77 mm		
110	Mp.110	biru	Serpihan	2,53 mm		
111	MG-1	Mp.111	biru	fiber	0,53 mm	
112		Mp.112	biru	fiber	1,59 mm	
113		Mp.113	merah	fiber	0,64 mm	
114		Mp.114	hitam	fiber	1,18 mm	
115		Mp.115	hitam	fiber	0,72 mm	
116		Mp.116	biru	Serpihan	0,58 mm	
117	MG-2	Mp.117	biru	Serpihan	0,84 mm	
118		Mp.118	hijau	Serpihan	0,60 mm	
119		Mp.119	biru	fiber	0,82 mm	
120		Mp.120	biru	fiber	0,24 mm	
121		Mp.121	merah	fiber	1,57 mm	
122		Mp.122	hijau	fiber	0,30 mm	
123		Mp.123	hitam	fiber	0,45 mm	
124	Mp.124	biru	Serpihan	0,26 mm		
125	MG-3	Mp.125	putih	Serpihan	0,54 mm	
126		Mp.126	putih	Serpihan	0,30 mm	
127		Mp.127	putih	Serpihan	0,72 mm	
128		Mp.128	putih	Serpihan	0,61 mm	
129		Mp.129	biru	fiber	0,99 mm	
130		Mp.130	biru	fiber	1,25 mm	
131		Mp.131	hitam	fiber	0,41 mm	
132		Mp.132	hitam	fiber	1,09 mm	
133		Mp.133	hitam	fiber	0,41 mm	
134		Mp.134	hitam	fiber	0,30 mm	
135	Mp.135	hitam	fiber	1,33 mm		

STASIUN
4

136			Mp.136	hitam	fiber	0,28 mm
137			Mp.137	biru	Kumpulan serat	1,35 mm

Lampiran 3 Data Mikroplastik Sampling II

NO	STASIUN	SUBSTASIUN	KOMPOSISI MIKROPLASTIK			
			MIKROPLASTIK	WARNA	BENTUK	UKURAN (mm)
1	STASIUN 1	GA-1	Mp.1	biru	Serpihan	0,78 mm
2			Mp.2	biru	Serpihan	0,18 mm
3			Mp.3	hitam	fiber	0,88 mm
4			Mp.4	merah	fiber	2,09 mm
5			Mp.5	merah	fiber	1,71 mm
6			Mp.6	merah	fiber	2,05mm
7			Mp.7	putih	fiber	1,00 mm
8			Mp.8	putih	fiber	2,63 mm
9			Mp.9	putih	fiber	1,14 mm
10		GA-2	Mp.10	biru	Serpihan	0,17 mm
11			Mp.11	hijau	Serpihan	0,41 mm
12			Mp.12	putih	Serpihan	0,12 mm
13			Mp.13	putih	Serpihan	0,25 mm
14			Mp.14	putih	Serpihan	0,28 mm
15			Mp.15	biru	fiber	0,91 mm
16			Mp.16	biru	fiber	2,67 mm
17			Mp.17	biru	fiber	0,76 mm
18			Mp.18	biru	fiber	1,12 mm
19			Mp.19	hijau	fiber	0,93 mm
20			Mp.20	hitam	fiber	2,53 mm
21			Mp.21	hitam	fiber	0,77 mm
22			Mp.22	putih	fiber	2,18 mm
23			Mp.23	putih	fiber	0,93 mm
24		GA-3	Mp.24	biru	Serpihan	0,54 mm
25			Mp.25	biru	Serpihan	0,43 mm
26			Mp.26	biru	Serpihan	0,62 mm
27			Mp.27	biru	Serpihan	0,54 mm
28			Mp.28	biru	Serpihan	0,69 mm
29			Mp.29	putih	Serpihan	0,14 mm
30			Mp.30	biru	fiber	0,20 mm
31			Mp.31	biru	fiber	0,69 mm
32			Mp.32	putih	fiber	1,38 mm
33			Mp.33	putih	fiber	0,46 mm
34	STASIUN 2	SA-1	Mp.34	biru	Serpihan	0,90 mm
35			Mp.35	biru	Serpihan	0,22 mm
36			Mp.36	biru	Serpihan	0,45 mm
37			Mp.37	biru	Serpihan	0,78 mm
38			Mp.38	biru	Serpihan	0,14 mm
39			Mp.39	biru	fiber	0,23 mm

40		Mp.40	biru	fiber	2,82 mm
41		Mp.41	biru	fiber	1,96 mm
42		Mp.42	biru	fiber	0,60 mm
43		Mp.43	hitam	fiber	1,13 mm
44		Mp.44	hitam	fiber	0,39 mm
45		Mp.45	hitam	fiber	0,75 mm
46		Mp.46	hitam	fiber	0,24 mm
47		Mp.47	hitam	fiber	0,57 mm
48		Mp.48	hitam	fiber	0,28 mm
49		Mp.49	hitam	fiber	0,63 mm
50		Mp.50	hitam	fiber	0,78 mm
51		Mp.51	hitam	fiber	0,14 mm
52		Mp.52	hitam	fiber	0,86 mm
53		Mp.53	putih	fiber	0,94 mm
54		Mp.54	putih	fiber	0,23 mm
55		Mp.55	putih	fiber	0,54 mm
56		Mp.56	putih	fiber	1,17 mm
57		Mp.57	putih	fiber	0,68 mm
58		Mp.58	putih	fiber	0,49 mm
59		Mp.59	putih	fiber	0,83 mm
60		Mp.60	putih	fiber	1,28 mm
61		Mp.61	putih	fiber	0,44 mm
62		Mp.62	biru	Serpihan	0,61 mm
63		Mp.63	biru	Serpihan	0,55 mm
64		Mp.64	biru	Serpihan	0,34 mm
65		Mp.65	biru	Serpihan	0,28 mm
66		Mp.66	biru	Serpihan	0,32 mm
67		Mp.67	biru	Serpihan	1,02 mm
68		Mp.68	merah	fiber	0,70 mm
69		Mp.69	merah	fiber	0,77 mm
70		Mp.70	merah	fiber	0,33 mm
71		Mp.71	biru	fiber	0,24 mm
72		Mp.72	biru	fiber	0,54 mm
73		Mp.73	biru	fiber	0,97 mm
74		Mp.74	biru	fiber	1,72 mm
75		Mp.75	biru	fiber	0,32 mm
76		Mp.76	hijau	fiber	1,95 mm
77		Mp.77	hitam	fiber	1,06 mm
78		Mp.78	hitam	fiber	0,70 mm
79		Mp.79	putih	fiber	0,38 mm
80		Mp.80	putih	fiber	0,25 mm
81		Mp.81	putih	fiber	0,76 mm
82		Mp.82	putih	fiber	0,49 mm
83		Mp.83	putih	fiber	1,28 mm
84		Mp.84	putih	fiber	0,83 mm
85		Mp.85	biru	Serpihan	0,98 mm

86			Mp.86	biru	Serpihan	0,79 mm
87			Mp.87	biru	Serpihan	1.22 mm
88			Mp.88	biru	Serpihan	0,53 mm
89			Mp.89	merah	fiber	0,63 mm
90			Mp.90	merah	fiber	2,62 mm
91			Mp.91	biru	fiber	1,55 mm
92			Mp.92	biru	fiber	0,31 mm
93			Mp.93	hitam	fiber	0,56 mm
94			Mp.94	hitam	fiber	0,47 mm
95			Mp.95	putih	fiber	0,14 mm
96			Mp.96	putih	fiber	0,79 mm
97			Mp.97	biru	Serpihan	0,19 mm
98			Mp.98	biru	Serpihan	0,20 mm
99			Mp.99	biru	Serpihan	0,19 mm
100			Mp.100	biru	Serpihan	0,12 mm
101			Mp.101	biru	fiber	6,20 mm
102			Mp.102	biru	fiber	2,42 mm
103		MP-1	Mp.103	biru	fiber	0,26 mm
104			Mp.104	hitam	fiber	1,76 mm
105			Mp.105	biru	fiber	1,43 mm
106			Mp.106	putih	fiber	1,45 mm
107			Mp.107	putih	fiber	1,20 mm
108			Mp.108	putih	fiber	1,55 mm
109			Mp.109	putih	fiber	3,36 mm
110			Mp.110	biru	Serpihan	0,20 mm
111	STASIUN		Mp.111	biru	fiber	0,13 mm
112	3		Mp.112	biru	fiber	1,02 mm
113		MP-2	Mp.113	biru	fiber	0,83 mm
114			Mp.114	biru	fiber	0,65 mm
115			Mp.115	merah	fiber	1,18 mm
116			Mp.116	hitam	fiber	0,78 mm
117			Mp.117	putih	fiber	0,42 mm
118			Mp.118	biru	Serpihan	0,57 mm
119			Mp.119	biru	fiber	0,90 mm
120			Mp.120	biru	fiber	0,51 mm
121			Mp.121	biru	fiber	1,22 mm
122		MP-3	Mp.122	biru	fiber	027 mm
123			Mp.123	merah	fiber	0,59 mm
124			Mp.124	putih	fiber	0,21 mm
125			Mp.125	putih	fiber	0,64 mm
126			Mp.126	putih	fiber	0,82 mm
127			Mp.127	biru	Serpihan	0,15 mm
128	STASIUN		Mp.128	biru	Serpihan	0,21 mm
129	4	MG-1	Mp.129	biru	Serpihan	0,09 mm
130			Mp.130	merah	fiber	0,12 mm
131			Mp.131	biru	fiber	1,58 mm

132		Mp.132	biru	fiber	1,11 mm
133		Mp.133	hitam	fiber	2,30 mm
134		Mp.134	hitam	fiber	0,65 mm
135		Mp.135	putih	fiber	2,44 mm
136		Mp.136	putih	fiber	1,18 mm
137		Mp.137	putih	fiber	1,53 mm
138		Mp.138	putih	fiber	2,34 mm
139		Mp.139	putih	fiber	0,88 mm
140	MG-2	Mp.140	biru	Serpihan	0,20 mm
141		Mp.141	hijau	Serpihan	0,21 mm
142		Mp.142	orens	Serpihan	0,44 mm
143		Mp.143	orens	Serpihan	0,29 mm
144		Mp.144	orens	Serpihan	0,15 mm
145		Mp.145	hitam	fiber	0,48 mm
146		Mp.146	hitam	fiber	0,61 mm
147		Mp.147	hitam	fiber	0,28 mm
148		Mp.148	merah	fiber	0,63 mm
149		Mp.149	putih	fiber	0,47 mm
150	MG-3	Mp.150	orens	Serpihan	0,45 mm
151		Mp.151	hitam	fiber	0,60 mm
152		Mp.152	putih	fiber	2,47 mm
153		Mp.153	putih	fiber	2,93 mm
154		Mp.154	putih	fiber	4,10 mm
155		Mp.155	putih	fiber	1,33 mm
156		Mp.156	putih	fiber	1,11 mm
157		Mp.157	putih	fiber	1,18 mm
158		Mp.158	putih	fiber	1,92 mm

Lampiran 4 Uji Statistik

1. Konsentrasi Mikroplastik Sampling I

Table Analyzed Non Parametrik Bentuk Sampling 1

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 28,89

Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0,05?	Summary
Serat vs Serpihan	9,750	No	ns
Serat vs Kumpulan serat	22,63	Yes	***
Serpihan vs Kumpulan serat	12,88	Yes	**

2. Konsentrasi Mikroplastik Sampling II

Table Analyzed

Non-Parametrik Sampling 2

Kruskal-Wallis test

P value 0,2351

Exact or approximate P value? Gaussian Approximation

P value summary ns

Do the medians vary signif. (P < 0.05) No

Number of groups 4

Kruskal-Wallis statistic 4,256

Dunn's Multiple Comparison Test

Difference in rank sum

Significant? P < 0,05?

Summary

I vs II -1,167 No ns

I vs III 3,500 No ns

I vs IV 3,667 No ns

II vs III 4,667 No ns

II vs IV 4,833 No ns

III vs IV 0,1667 No ns

3. Konsentrasi Bentuk Sampling I

Table Analyzed	Non Parametrik Bentuk Sampling 1		
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		28,89	
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0,05?	Summary
Serat vs Serpihan	9,750	No	ns
Serat vs Kumpulan serat	22,63	Yes	***
Serpihan vs Kumpulan serat	12,88	Yes	**

4. Konsentrasi Bentuk Sampling II

Table Analyzed		Non-Parametrik KO Bentuk Sampling 2		
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		25,71		
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0,05?	Summary	
Serat vs Serpihan	4,917	No	ns	
Serat vs Kumpulan serat	20,46	Yes	***	
Serpihan vs Kumpulan serat	15,54	Yes	***	

5. Konsentrasi Warna Sampling I

Table Analyzed	Non-Parametrik KO Warna Sampling 1		
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		6	
Kruskal-Wallis statistic		40,15	
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0,05?	Summary
Biru vs Merah	27,04	Yes	*
Biru vs Hitam	17,25	No	ns
Biru vs Hijau	40,00	Yes	***
Biru vs Putih	25,54	Yes	*
Biru vs Jingga	46,42	Yes	***
Merah vs Hitam	-9,792	No	ns
Merah vs Hijau	12,96	No	ns
Merah vs Putih	-1,500	No	ns
Merah vs Jingga	19,38	No	ns
Hitam vs Hijau	22,75	No	ns
Hitam vs Putih	8,292	No	ns
Hitam vs Jingga	29,17	Yes	**
Hijau vs Putih	-14,46	No	ns
Hijau vs Jingga	6,417	No	ns
Putih vs Jingga	20,88	No	ns

6. Konsentrasi Warna Sampling II

Parameter	Non-Parametrik Warna Stasiun 2		
Table Analyzed			
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	6		
Kruskal-Wallis statistic	36,48		
Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0,05?	Summary
Biru vs Merah	25,79	Yes	*
Biru vs Hitam	18,96	No	ns
Biru vs Hijau	36,46	Yes	***
Biru vs Putih	5,042	No	ns
Biru vs Jingga	38,50	Yes	***
Merah vs Hitam	-6,833	No	ns
Merah vs Hijau	10,67	No	ns
Merah vs Putih	-20,75	No	ns
Merah vs Jingga	12,71	No	ns
Hitam vs Hijau	17,50	No	ns
Hitam vs Putih	-13,92	No	ns
Hitam vs Jingga	19,54	No	ns
Hijau vs Putih	-31,42	Yes	**
Hijau vs Jingga	2,042	No	ns
Putih vs Jingga	33,46	Yes	***