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LAMPIRAN

Lampiran 1. Kelimpahan mikroplastik terhadap tiram berdasarkan berat tiram

No	Kode Sampel	Berat Tiram (g)	Jumlah MP (partikel)	Kelimpahan MP (partikel/g)
1	S1M1	0,7	5	7,14
2	S1M2	0,9	6	6,67
3	S1M3	1	0	0,00
4	S1M4	0,8	2	2,50
5	S1M5	1,4	7	5,00
6	S1M6	1,8	5	2,78
7	S1M7	1	2	2,00
8	S1M8	0,6	3	5,00
9	S1M9	0,8	4	5,00
10	S1M10	0,5	8	16,00
11	S1B1	2,1	6	2,86
12	S1B2	0,8	3	3,75
13	S1B3	0,6	2	3,33
14	S1B4	0,8	3	3,75
15	S1B5	1,3	3	2,31
16	S1B6	1,6	3	1,88
17	S1B7	1,7	4	2,35
18	S1B8	0,9	8	8,89
19	S1B9	1	3	3,00
20	S1B10	0,7	6	8,57
21	S1J1	0,9	2	2,22
22	S1J2	1,1	1	0,91
23	S1J3	0,5	0	0,00
24	S1J4	0,8	2	2,50
25	S1J5	1,6	0	0,00
26	S1J6	1,2	5	4,17
27	S1J7	0,9	1	1,11
28	S1J8	1,1	0	0,00
29	S1J9	0,6	1	1,67
30	S1J10	0,9	1	1,11
31	S2M1	0,4	5	12,50
32	S2M2	0,4	1	2,50
33	S2M3	1,4	5	3,57
34	S2M4	1,5	6	4,00
35	S2M5	1,2	5	4,17
36	S2M6	1,1	1	0,91
37	S2M7	1,6	4	2,50
38	S2M8	0,8	1	1,25
39	S2M9	1,3	5	3,85
40	S2M10	1	0	0,00
41	S2B1	0,8	5	6,25
42	S2B2	0,8	4	5,00
43	S2B3	0,7	3	4,29

44	S2B4	1,1	4	3,64
45	S2B5	1,2	2	1,67
46	S2B6	1,4	0	0,00
47	S2B7	1,2	3	2,50
48	S2B8	1	3	3,00
49	S2B9	1,2	2	1,67
50	S2B10	1,5	2	1,33
51	S2J1	1,1	7	6,36
52	S2J2	0,8	3	3,75
53	S2J3	0,6	3	5,00
54	S2J4	0,9	1	1,11
55	S2J5	1	5	5,00
56	S2J6	0,6	0	0,00
57	S2J7	1,7	2	1,18
58	S2J8	2,2	2	0,91
59	S2J9	1,1	9	8,18
60	S2J10	1,2	4	3,33
		Rata-Rata Kelimpahan		3,43

Lampiran 2. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran Tiram pada substrat batu di Pancana.

No	kode sampel (Bebatuan)	karakteristik mikroplastik			∑MPs	Kelimpahan (Partikel/Individu)
		bentuk	warna	panjang		
1	S1B1.1	*Line*	Biru	3,82		
2	S1B1.2	*Line*	Biru	1,18		
3	S1B1.3	*Line*	Biru	0,59		
4	S1B1.4	*Line*	Biru	0,65		
5	S1B1.5	*Line*	Biru	0,57		
6	S1B1.6	*Line*	Biru	0,50		
7	S1B2.1	*Line*	Biru	1,33		
8	S1B2.2	*Line*	Biru	0,64		
9	S1B2.3	*Line*	Biru	0,24		
10	S1B3.1	*Line*	Bening	3,56		
11	S1B3.2	*Line*	Hitam	0,31	41	4,10
12	S1B4.1	*Line*	Biru	1,24		
13	S1B4.2	*Line*	Biru	1,00		
14	S1B4.3	*Line*	Biru	0,39		
15	S1B5.1	*Line*	Biru	0,77		
16	S1B5.2	*Line*	Biru	0,68		
17	S1B5.3	*Line*	Biru	0,44		
18	S1B6.1	*Line*	Biru	0,80		
19	S1B6.2	*Line*	Biru	0,74		
20	S1B6.3	*Line*	Biru	0,36		
21	S1B7.1	*Line*	Biru	1,21		

22	S1B7.2	*Line*	Biru	0,98		
23	S1B7.3	*Line*	Biru	0,24		
24	S1B7.4	*Line*	Bening	1,68		
25	S1B8.1	*Line*	Biru	1,92		
26	S1B8.2	*Line*	Biru	1,59		
27	S1B8.3	*Line*	Biru	1,24		
28	S1B8.4	*Line*	Biru	1,48		
29	S1B8.5	*Line*	Biru	0,58		
30	S1B8.6	*Line*	Biru	0,45		
31	S1B8.7	*Line*	Bening	3,03		
32	S1B8.8	*Line*	Bening	1,14		
33	S1B9.1	*Line*	Biru	3,62		
34	S1B9.2	*Line*	Biru	3,20		
35	S1B9.3	*Line*	Biru	1,03		
36	S1B10.1	*Line*	Biru	1,46		
37	S1B10.2	*Line*	Hitam	2,42		
38	S1B10.3	*Line*	Hitam	0,82		
39	S1B10.4	*Line*	Bening	1,70		
40	S1B10.5	*Line*	Bening	1,13		
41	S1B10.6	*Line*	Bening	0,68		

Lampiran 3. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran Tiram pada substrat mangrove di Pancana.

No	kode sampel (Mangrove)	karakteristik mikroplastik			∑MPs	Kelimpahan (Partikel/Individu)
		bentuk	warna	panjang		
1	S1M1.1	*Line*	Biru	1,32		
2	S1M1.2	*Line*	Biru	1,06		
3	S1M1.3	*Line*	Biru	0,95		
4	S1M1.4	*Line*	Biru	0,26		
5	S1M1.5	*Line*	Merah	0,87		
6	S1M2.1	*Line*	Biru	1,11		
7	S1M2.2	*Line*	Biru	0,79		
8	S1M2.3	*Line*	Biru	0,27		
9	S1M2.4	*Line*	Hitam	1,75		
10	S1M2.5	*Line*	Hitam	0,58	42	4,20
11	S1M2.6	*Line*	Hitam	1,00		
12	S1M4.1	*Line*	Biru	0,46		
13	S1M4.2	*Line*	Biru	0,25		
14	S1M5.1	*Line*	Biru	3,68		
15	S1M5.2	*Line*	Biru	1,47		
16	S1M5.3	*Line*	Biru	0,51		
17	S1M5.4	*Line*	Biru	0,54		
18	S1M5.5	*Line*	Biru	0,47		
19	S1M5.6	*Line*	Biru	0,50		

20	S1M5.7	*Line*	Bening	2,56
21	S1M6.1	*Line*	Merah	4,44
22	S1M6.2	*Line*	Biru	2,63
23	S1M6.3	*Line*	Biru	0,69
24	S1M6.4	*Line*	Hitam	0,56
25	S1M6.5	*Line*	Hitam	1,79
26	S1M7.1	*Line*	Biru	0,90
27	S1M7.2	*Line*	Biru	0,88
28	S1M8.1	*Line*	Biru	0,62
29	S1M8.2	*Line*	Biru	0,50
30	S1M8.3	*Line*	Hitam	0,48
31	S1M9.1	*Line*	Biru	1,08
32	S1M9.2	*Line*	Biru	0,73
33	S1M9.3	*Line*	Merah	0,98
34	S1M9.4	*Line*	Merah	0,49
35	S1M10.1	*Line*	Biru	2,14
36	S1M10.2	*Line*	Biru	1,68
37	S1M10.3	*Line*	Biru	1,63
38	S1M10.4	*Line*	Biru	1,02
39	S1M10.5	*Line*	Biru	0,44
40	S1M10.6	*Line*	Biru	0,31
41	S1M10.7	*Line*	Biru	0,52
42	S1M10.8	*Line*	Bening	2,84

Lampiran 4. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran Tiram pada substrat jembatan di Pancana.

No	kode sampel (Jembatan)	karakteristik mikroplastik			∑MPs	Kelimpahan (Partikel/Individu)
		bentuk	warna	panjang		
1	S1J1.1	*Line*	Hitam	1,45		
2	S1J1.2	*Line*	Merah	2,86		
3	S1J2	*Line*	Bening	2,18		
4	S1J4.1	*Line*	Biru	1,08		
5	S1J4.2	*Line*	Biru	0,44		
6	S1J6.1	*Line*	Biru	0,93		
7	S1J6.2	*Line*	Biru	1,28	13	1,30
8	S1J6.3	*Line*	Biru	0,85		
9	S1J6.4	*Line*	Biru	0,96		
10	S1J6.5	*Line*	Bening	0,85		
11	S1J7	*Line*	Biru	3,38		
12	S1J9	*Line*	Biru	0,91		
13	S1J10	*Line*	Biru	0,78		

Lampiran 5. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran Tiram pada substrat batu di Lajari.

No	kode sampel (Bebatuan)	karakteristik mikroplastik			∑MPs	Kelimpahan (Partikel/Individu)
		bentuk	warna	panjang		
1	S2B1.1	*Line*	Hitam	1,80		
2	S2B1.2	*Line*	Hitam	0,67		
3	S2B1.3	*Line*	Hitam	0,68		
4	S2B1.4	*Line*	Biru	0,43		
5	S2B1.5	*Line*	Biru	0,22		
6	S2B2.1	*Line*	Bening	3,22		
7	S2B2.2	*Line*	Bening	1,95		
8	S2B2.3	*Line*	Bening	1,38		
9	S2B2.4	*Line*	Biru	0,37		
10	S2B3.1	*Line*	Biru	1,16		
11	S2B3.2	*Line*	Biru	0,58		
12	S2B3.3	*Line*	Biru	0,50		
13	S2B4.1	*Line*	Biru	1,14		
14	S2B4.2	*Line*	Biru	0,57	28	2,80
15	S2B4.3	*Line*	Biru	0,79		
16	S2B4.4	*Fragment*	*Fragment*	0,61		
17	S2B5.1	*Line*	Biru	1,81		
18	S2B5.2	*Line*	Biru	1,11		
19	S2B7.1	*Line*	Biru	2,70		
20	S2B7.2	*Line*	Biru	0,66		
21	S2B7.3	*Fragment*	*Fragment*	1,41		
22	S2B8.1	*Line*	Biru	1,35		
23	S2B8.2	*Line*	Biru	0,64		
24	S2B8.3	*Line*	Hitam	1,03		
25	S2B9.1	*Line*	Biru	0,95		
26	S2B9.2	*Line*	Biru	0,53		
27	S2B10.1	*Line*	Biru	0,42		
28	S2B10.2	*Line*	Biru	0,50		

Lampiran 6. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran Tiram pada substrat mangrove di Lajari

No	kode sampel (Mangrove)	karakteristik mikroplastik			∑MPs	Kelimpahan (Partikel/Individu)
		bentuk	warna	panjang		
1	S2M1.1	*Line*	Biru	1,97		
2	S2M1.2	*Line*	Biru	0,63		
3	S2M1.3	*Line*	Merah	0,68		
4	S2M1.4	*Line*	Merah	0,75		
5	S2M1.5	*Line*	Hitam	0,71	33	3,30
6	S2M2	*Line*	Biru	1,89		
7	S2M3.1	*Line*	Hitam	1,92		
8	S2M3.2	*Line*	Biru	1,85		
9	S2M3.3	*Line*	Bening	0,73		

10	S2M3.4	*Line*	Bening	0,48
11	S2M3.5	*Line*	Merah	2,03
12	S2M4.1	*Line*	Biru	1,42
13	S2M4.2	*Line*	Biru	0,75
14	S2M4.3	*Line*	Biru	0,69
15	S2M4.4	*Line*	Biru	0,40
16	S2M4.5	*Line*	Biru	0,42
17	S2M4.6	*Line*	Biru	0,25
18	S2M5.1	*Line*	Biru	1,66
19	S2M5.2	*Line*	Biru	0,50
20	S2M5.3	*Line*	Bening	1,32
21	S2M5.4	*Line*	Bening	1,02
22	S2M5.5	*Line*	Bening	0,71
23	S2M6	*Line*	Biru	2,25
24	S2M7.1	*Line*	Biru	0,87
25	S2M7.2	*Line*	Biru	0,65
26	S2M7.3	*Line*	Merah	0,65
27	S2M7.4	*Line*	Hitam	0,68
28	S2M8	*Line*	Biru	0,64
29	S2M9.1	*Line*	Biru	1,13
30	S2M9.2	*Line*	Biru	0,76
31	S2M9.3	*Line*	Biru	0,64
32	S2M9.4	*Line*	Biru	0,48
33	S2M9.5	*Line*	Biru	0,56

Lampiran 7. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran Tiram pada substrat jembatan di Lajari

No	kode sampel (Jembatan)	karakteristik mikroplastik			∑MPs	Kelimpahan (Partikel/Individu)
		bentuk	warna	panjang (mm)		
1	S2J1.1	*Line*	Biru	3,28		
2	S2J1.2	*Line*	Biru	0,89		
3	S2J1.3	*Line*	Biru	0,78		
4	S2J1.4	*Line*	Biru	0,78		
5	S2J1.5	*Line*	Biru	0,44		
6	S2J1.6	*Line*	Hitam	0,69		
7	S2J1.7	*Line*	Bening	1,58		
8	S2J2.1	*Line*	Biru	0,73	36	3,60
9	S2J2.2	*Line*	Biru	0,78		
10	S2J2.3	*Line*	Bening	0,80		
11	S2J3.1	*Line*	Biru	2,33		
12	S2J3.2	*Line*	Biru	1,70		
13	S2J3.3	*Line*	Biru	0,63		
14	S2J4	*Line*	Biru	0,52		
15	S2J5.1	*Line*	Biru	2,77		

16	S2J5.2	*Line*	Biru	1,37
17	S2J5.3	*Line*	Biru	0,72
18	S2J5.4	*Line*	Biru	0,30
19	S2J5.5	*Line*	Merah	0,63
20	S2J7.1	*Line*	Biru	0,86
21	S2J7.2	*Line*	Bening	1,30
22	S2J8.1	*Line*	Bening	1,20
23	S2J8.2	*Line*	Biru	0,72
24	S2J9.1	*Line*	Hitam	2,88
25	S2J9.2	*Line*	Hitam	1,10
26	S2J9.3	*Line*	Biru	0,76
27	S2J9.4	*Line*	Biru	0,28
28	S2J9.5	*Line*	Biru	0,24
29	S2J9.6	*Line*	Bening	1,26
30	S2J9.7	*Line*	Bening	0,86
31	S2J9.8	*Line*	Bening	0,41
32	S2J9.9	*Line*	Merah	0,30
33	S2J10.1	*Line*	Biru	0,88
34	S2J10.2	*Line*	Biru	0,30
35	S2J10.3	*Line*	Biru	0,22
36	S2J10.4	*Line*	Bening	1,88

Lampiran 8. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran pada air di Pancana.

No	kode sampel	karakteristik mikroplastik			∑MPs	Kelimpahan
		bentuk	warna	panjang		
1	AS1U1.1	*line*	Biru	6,28	18	0,036
2	AS1U1.2	*line*	Biru	2,41		
3	AS1U1.3	*line*	Merah	0,78		
4	AS1U1.4	*line*	Merah	0,38		
5	AS1U1.5	*line*	Hitam	1,16		
6	AS1U1.6	*line*	Hitam	0,47		
7	AS1U2.1	*line*	Biru	3,74		
8	AS1U2.2	*line*	Biru	1,03		
9	AS1U2.3	*line*	Hitam	1,82		
10	AS1U2.4	*line*	Hitam	1,08		
11	AS1U2.5	*line*	Hitam	0,34		
12	AS1U2.6	*line*	Hitam	0,80		
13	AS1U2.7	*line*	Bening	0,73		
14	AS1U3.1	*line*	Biru	1,94		
15	AS1U3.2	*line*	Biru	0,30		
16	AS1U3.3	*line*	Biru	0,99		
17	AS1U3.4	*line*	Biru	1,93		
18	AS1U3.5	*line*	Merah	1,28		

Lampiran 9. Karakteristik mikroplastik berdasarkan bentuk, warna dan ukuran pada air di Lajari.

No	kode sampel	karakteristik mikroplastik			∑MPs	Kelimpahan
		bentuk	warna	panjang		
1	AS2U1.1	*line*	Biru	0,47		
2	AS2U1.2	*line*	Hitam	1,70		
3	AS2U1.3	*line*	Hitam	0,95		
4	AS2U2.1	*line*	Biru	0,83		
5	AS2U2.2	*line*	Merah	1,33		
6	AS2U2.3	*line*	Hitam	0,74	11	0,022
7	AS2U3.1	*line*	Biru	1,09		
8	AS2U3.2	*line*	Biru	0,28		
9	AS2U3.3	*line*	Hitam	0,18		
10	AS2U3.4	*line*	Hitam	0,10		
11	AS2U3.5	*line*	Hitam	0,10		

Lampiran 10. Uji independent t-test Kelimpahan Mikroplastik pada Tiram

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
Kelimpahan	Equal variances assumed	8,399	0,044	-0,034	4	0,974	-0,0333	0,9787	-2,7505	2,6839
	Equal variances not assumed			-0,034	2,240	0,976	-0,0333	0,9787	-3,8398	3,7731

Lampiran 11. Uji independent t-test Kelimpahan Mikroplastik pada Air

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
Kelimpahan	Equal variances assumed	0,308	0,609	2,646	4	0,057	0,004667	0,001764	-0,000231	0,009564
	Equal variances not assumed			2,646	3,920	0,058	0,004667	0,001764	-0,000270	0,009604

Lampiran 12. uji One-way ANOVA Kelimpahan Mikroplastik di Pancana

Descriptives

KelimpahanMP

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Mangrove	10	5.2087	4.38586	1.38693	2.0713	8.3462	.00	16.00
Batu	10	4.0686	2.53246	.80083	2.2570	5.8803	1.88	8.89
Jembatan	10	1.3687	1.32873	.42018	.4182	2.3192	.00	4.17
Total	30	3.5487	3.34518	.61074	2.2996	4.7978	.00	16.00

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
KelimpahanMP	Based on Mean	1.849	2	27	.177
	Based on Median	1.528	2	27	.235
	Based on Median and with adjusted df	1.528	2	16.946	.245
	Based on trimmed mean	1.648	2	27	.211

ANOVA

KelimpahanMP

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	77.785	2	38.892	4.256	.025
Within Groups	246.732	27	9.138		
Total	324.517	29			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: KelimpahanMP

Tukey HSD

(I) Sub Stasiun	(J) Sub Stasiun	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Mangrove	Batu	1.14009	1.35190	.680	-2.2118	4.4920
	Jembatan	3.84004*	1.35190	.022	.4881	7.1920
Batu	Mangrove	-1.14009	1.35190	.680	-4.4920	2.2118
	Jembatan	2.69996	1.35190	.132	-.6520	6.0519
Jembatan	Mangrove	-3.84004*	1.35190	.022	-7.1920	-.4881
	Batu	-2.69996	1.35190	.132	-6.0519	.6520

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

KelimpahanMP

Tukey HSD[a]

Sub Stasiun	N	Subset for alpha = 0.05	
		1	2
Jembatan	10	1.3687	
Batu	10	4.0686	4.0686
Mangrove	10		5.2087
Sig.		.132	.680

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10,000.

Lampiran 13. uji One-way ANOVA Kelimpahan Mikroplastik di Lajari

Descriptives

KelimpahanMP

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Mangrove	10	3.5243	3.46151	1.09463	1.0481	6.0006	.00	12.50
Batu	10	2.9339	1.89033	.59777	1.5816	4.2861	.00	6.25
Jembatan	10	3.4825	2.68277	.84837	1.5634	5.4017	.00	8.18
Total	30	3.3136	2.67134	.48772	2.3161	4.3111	.00	12.50

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
KelimpahanMP	Based on Mean	.402	2	27	.673
	Based on Median	.390	2	27	.680
	Based on Median and with adjusted df	.390	2	16.456	.683
	Based on trimmed mean	.398	2	27	.675

ANOVA

KelimpahanMP

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2.171	2	1.086	.143	.867
Within Groups	204.774	27	7.584		
Total	206.946	29			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: KelimpahanMP

Tukey HSD

(I) SubStasiun	(J) SubStasiun	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Mangrove	Batu	.59046	1.23160	.882	-2.4632	3.6441
	Jembatan	.04179	1.23160	.999	-3.0119	3.0954
Batu	Mangrove	-.59046	1.23160	.882	-3.6441	2.4632
	Jembatan	-.54867	1.23160	.897	-3.6023	2.5050
Jembatan	Mangrove	-.04179	1.23160	.999	-3.0954	3.0119
	Batu	.54867	1.23160	.897	-2.5050	3.6023

Homogeneous Subsets

KelimpahanMP

Tukey HSD[a]

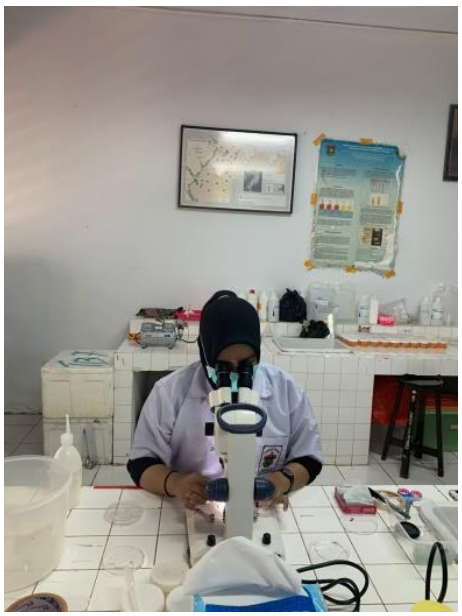
SubStasiun	N	Subset for alpha = 0.05
		1
Batu	10	2.9339
Jembatan	10	3.4825
Mangrove	10	3.5243
Sig.		.882

Lampiran 14. Dokumentasi Penelitian

(a)
Pengambilan sampel tiram

(b)
Pengambilan sampel air

(c)
Pengambilan jaringan lunak tiram



(d)
Pengamatan mikroplastik

(e)
Penyaringan sampel air

(f)
Pengamatan mikroplastik