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LAMPIRAN

Lampiran 1. Dokumentasi penelitian



Gambar 12. Lokasi pengambilan sampel dermaga 1



Gambar 13. Lokasi pengambilan sampel dermaga 2



Gambar 14. Kondisi sekitar tempat pengambilan sampel



Gambar 15. Preparasi sampel



Gambar 16. Proses penyaringan sampel

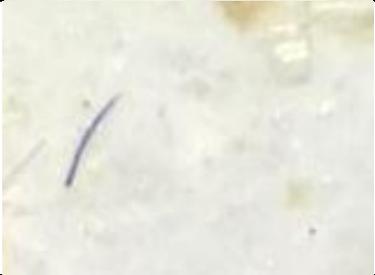
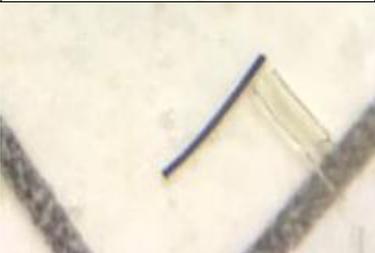
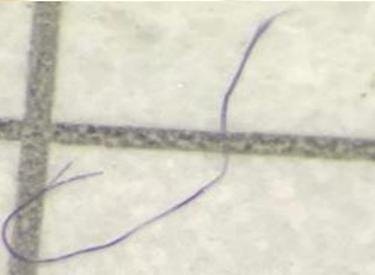


Gambar 17. Proses pengamatan mikroplastik

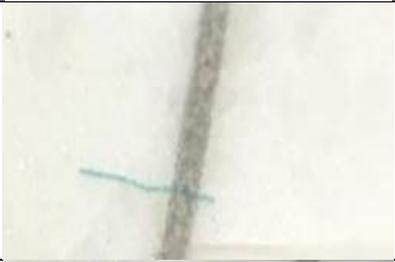
Lampiran 2. Mikroplastik yang ditemukan pada ikan *Oryzias celebensis*

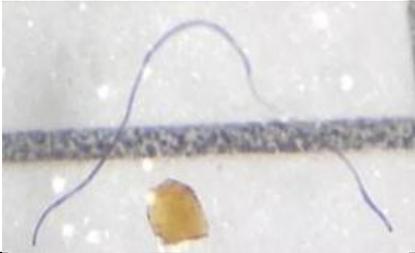
1. Ikan *Oryzias celebensis* pada Dermaga 1 saat bulan purnama

NO	GAMBAR	BENTUK	WARNA
1 (a)		Fiber	Hitam
1 (b)		Fragmen	Biru
1 (c)		Fiber	Hitam
2		Fiber	Hitam
3 (a)		Fiber	Hitam
3 (b)		Fiber	Hitam
4		Fiber	Biru

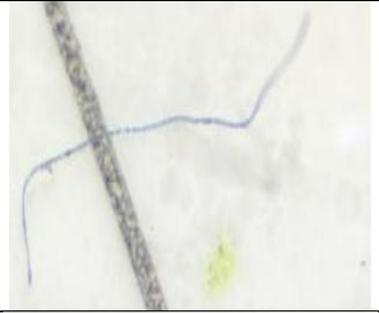
5 (a)		Fiber	Biru
5 (b)		Fiber	Biru
5 (c)		Fiber	Biru
5 (d)		Fiber	Hitam
5 (e)		Fiber	Hitam
6 (a)		Fragmen	Biru
6 (b)		Fiber	Biru

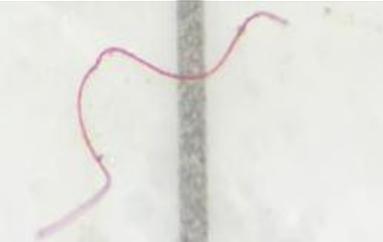
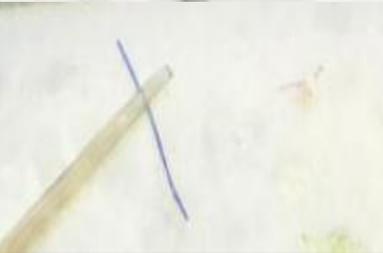
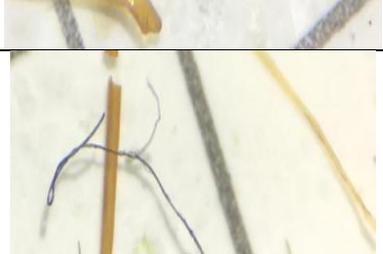
6 (c)		Fragmen	Biru
7 (a)		Fiber	Merah
7 (b)		Fiber	Biru
9		Fiber	Hitam
10 (a)		Fiber	Hitam
10 (b)		Fiber	Hitam
11 (a)		Fragmen	Biru

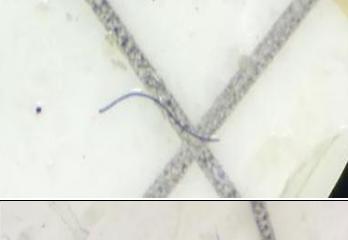
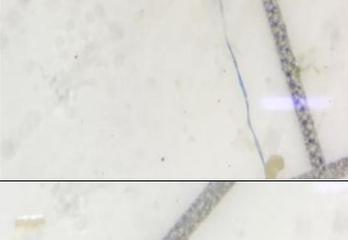
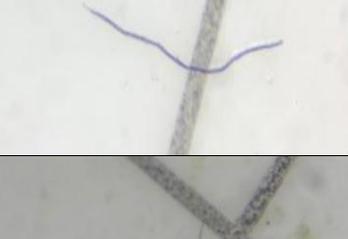
11 (b)		Fragmen	Merah
15		Fiber	Hitam
17		Fiber	Biru
21		Fiber	Hijau
22		Fiber	Biru
24		Fiber	Biru
32 (a)		Fiber	Biru

32 (b)		Fiber	Biru
33		Fiber	Merah

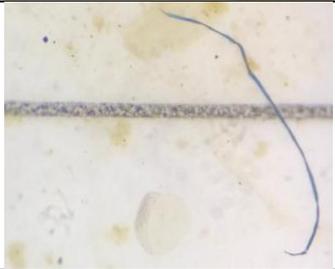
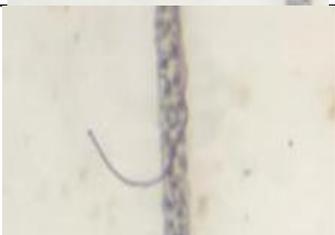
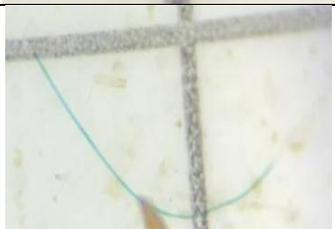
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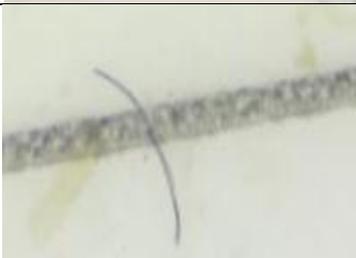
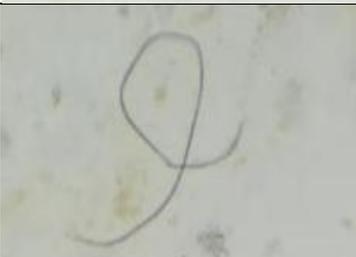
NO	GAMBAR	BENTUK	WARNA
3 (a)		Fiber	Hitam
3 (b)		Fiber	Putih
4		Fiber	Biru
8		Fiber	Hitam

9 (a)		Fiber	Merah
9 (b)		Fiber	Biru
9 (c)		Fiber	Hitam
10 (a)		Fiber	Hitam
10 (b)		Fiber	Hitam
11		Fiber	Hitam
13 (a)		Fiber	Biru

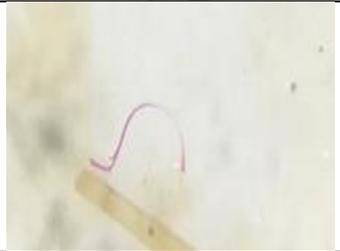
13 (b)		Fiber	Biru
17 (a)		Fiber	Biru
17 (b)		Fiber	Biru
20 (a)		Fiber	Biru
20 (b)		Fiber	Biru
25 (a)		Fiber	Biru
25 (b)		Fiber	Biru
30		Fiber	Hitam

3. Ikan *Oryzias celebensis* pada Dermaga 1 saat bulan baru

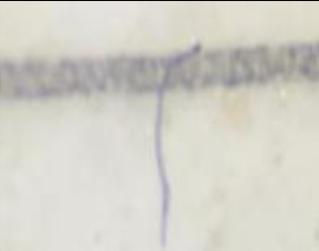
NO	GAMBAR	JENIS	WARNA
3 (a)		Fiber	Merah
3 (b)		Fiber	Biru
3 (c)		Fiber	Biru
4		Fiber	Biru
7 (a)		Fiber	Biru
7 (b)		Fiber	Hijau
10(a)		Fiber	Biru

10(b)		Fiber	Hijau
14		Fiber	Biru
20 (a)		Fiber	Hitam
20 (b)		Fiber	Hitam
21 (a)		Fiber	Biru
21 (b)		Fiber	Merah
22		Fiber	Biru

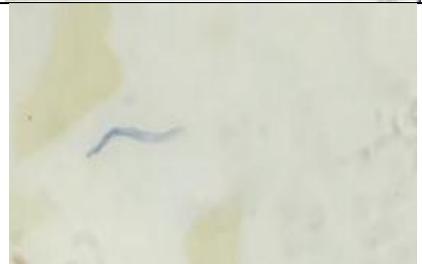
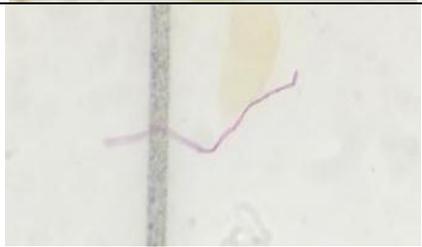
24		Fiber	Biru
25 (a)		Fiber	Biru
25 (b)		Fiber	Hitam
25 (c)		Fiber	Merah
26		Fiber	Merah
27		Fiber	Biru
29		Fiber	Merah

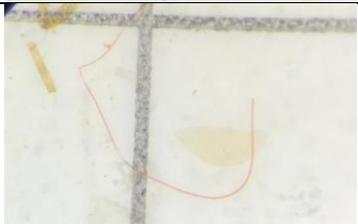
31 (a)		Fiber	Biru
31 (b)		Fiber	Biru
32 (a)		Fiber	Biru
32 (b)		Fiber	Merah

4. Ikan *Oryzias celebensis* pada Dermaga 2 saat bulan baru

NO	GAMBAR	JENIS	WARNA
1 (a)		Fiber	Biru
1 (b)		Fiber	Biru

5		Fiber	Hitam
6 (a)		Fiber	Biru
6 (b)		Fiber	Biru
7 (a)		Fragmen	Biru
7 (b)		Fiber	Merah
8		Fiber	Biru
9		Fiber	Merah

11 (a)		Fiber	Hitam
11 (b)		Fiber	Hitam
12		Fiber	Biru
15		Fiber	Merah
17		Fiber	Hitam
22 (a)		Fiber	Hitam
22 (b)		Fiber	Biru

25		Fiber	Biru
27		Fiber	Merah
28 (a)		Fiber	Hitam
28 (b)		Fiber	Hitam
28 (c)		Fiber	Hitam
30		Fiber	Biru
31 (a)		Fiber	Merah
31 (b)		Fiber	Merah

Lampiran 3. Hasil analisis data

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
konsentrasi Equal variances assumed	.133	.717	-.020	57	.984	-.17131	8.73724	17.66733	17.32470
Equal variances not assumed			-.019	50.843	.985	-.17131	8.87251	17.98496	17.64233

Gambar 5. Konsentrasi mikroplastik pada ikan *Oryzias celebensis* pada dermaga 1 dan 2.

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
konsentrasi Equal variances assumed	1.209	.280	.366	30	.717	4.02241	10.97712	18.39585	26.44068
Equal variances not assumed			.369	29.950	.715	4.02241	10.91483	18.27022	26.31505

Gambar 1. Konsentrasi mikroplastik pada ikan *Oryzias celebensis* di dermaga 1

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
konsentrasi Equal variances assumed	7.610	.011	2.445	25	.022	32.08793	13.12534	5.05579	59.12008
Equal variances not assumed			2.097	11.664	.059	32.08793	15.30177	1.35854	65.53441

Gambar 2. Konsentrasi mikroplastik pada ikan *Oryzias celebensis* di dermaga 2

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
konsentrasi Equal variances assumed	.855	.364	1.134	26	.267	-17.30088	15.25581	48.65965	14.05789
Equal variances not assumed			1.039	15.666	.315	-17.30088	16.65565	52.67055	18.06879

Gambar 3. Konsentrasi mikroplastik pada ikan *Oryzias celebensis* pada bulan purnama

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
konsentrasi Equal variances assumed	2.315	.139	1.436	28	.162	12.50046	8.70277	-5.32636	30.32729
Equal variances not assumed			1.386	19.965	.181	12.50046	9.01767	-6.31219	31.31312

Gambar 4. Konsentrasi mikroplastik pada ikan *Oryzias celebensis* pada bulan baru.

Lampiran 4. Data mikroplastik

Derмага 1 bulan purnama

No	Jumlah	Bobot fouling	Bentuk	Konsentrasi
1	2	0,0319	fiber	62,6959
			fiber	
	1	0,0319	fragmen	31,3480
2	1	0,0502	fiber	19,9203
3	2	0,0231	fiber	86,5801
			fiber	
4	1	0,0331	fiber	30,2115
5	5	0,0815	fiber	61,3497
			fiber	
			fiber	
			fiber	
6	1	0,0277	fiber	36,1011
	2	0,0277	fragmen	72,2022
		fragmen		
7	2	0,0630	fiber	31,7460
			fiber	
9	1	0,0403	fiber	24,8139
10	3	0,0334	fiber	89,8204
			fiber	
			fiber	
11	2	0,0309	fragmen	64,7249
			fragmen	
15	1	0,0427	fiber	23,4192
17	1	0,0604	fiber	16,5563
21	1	0,0401	fiber	24,9377
22	1	0,0379	fiber	26,3852
24	1	0,0446	fiber	22,4215
32	2	0,0203	fiber	98,5222
			fiber	
33	1	0,0656	fiber	15,2439

Dermaga 2 bulan baru

No	Jumlah	Bobot fouling	Bentuk	Konsentrasi
3	2	0,0137	fiber	145,9854
			fiber	
4	1	0,0218	fiber	45,8716
8	1	0,0251	fiber	39,8406
9	3	0,0179	fiber	167,5978
			fiber	
			fiber	
10	2	0,0251	fiber	79,6813
			fiber	
11	1	0,0240	fiber	41,6667
13	2	0,0564	fiber	35,4610
			fiber	
17	2	0,0338	fiber	59,1716
			fiber	
20	2	0,0352	fiber	56,8182
			fiber	
25	2	0,0735	fiber	27,2109
			fiber	
30	1	0,0689	fiber	14,5138

Dermaga 1 bulan purnama

No	Jumlah	Bobot fouling	Bentuk	Konsentrasi
3	3	0,0470	fiber	63,8298
			fiber	
			fiber	
4	1	0,0270	fiber	37,0370
7	2	0,0358	fiber	55,8659
			fiber	
10	2	0,0339	fiber	58,9971
			fiber	
14	1	0,0293	fiber	34,1297
20	2	0,0397	fiber	50,3778
			fiber	
21	2	0,0183	fiber	109,2896
			fiber	
22	1	0,0424	fiber	23,5849
24	1	0,0356	fragment	28,0899
25	3	0,0297	fiber	101,0101
			fiber	
			fiber	
26	1	0,0453	fiber	22,0751
27	1	0,0725	fiber	13,7931
29	1	0,0519	fiber	19,2678
31	2	0,0457	fiber	43,7637
			fiber	
32	2	0,0401	fiber	49,8753
			fiber	

Dermaga 2 bulan baru

No	Jumlah	Bobot fouling	Bentuk	Konsentrasi
1	2	0,0411	fiber	48,6618
			fiber	
5	1	0,0404	fiber	24,7525
6	2	0,0440	fiber	45,4545
			fiber	
7	1	0,0478	fragmen	20,9205
	1	0,0478	fiber	20,9205
8	1	0,0459	fiber	21,7865
9	1	0,0469	fiber	21,3220
11	2	0,0264	fiber	75,7576
			fiber	
12	1	0,0711	fiber	14,0647
15	1	0,0275	fiber	36,3636
17	1	0,0530	fiber	18,8679
22	2	0,0459	fiber	43,5730
			fiber	
25	1	0,0707	fiber	14,1443
27	1	0,0403	fiber	24,8139
28	3	0,0686	fiber	43,7318
			fiber	
			fiber	
30	1	0,0783	fiber	12,7714
31	2	0,0541	fiber	36,9686
			fiber	

Dermaga 1 bulan purnama

No	Jumlah	Bobot isi perut	Warna	Konsentrasi
1	1	0,0319	hitam	31,348
			hitam	
	1	0,0319	biru	31,348
2	1	0,0502	biru	19,920
3	2	0,0231	hitam	86,58
			hitam	
4	1	0,0331	biru	30,211
5	2	0,0815	biru	24,540
			biru	
5	1	0,0815	hitam	12,270
			hitam	
			hitam	
6	3	0,0277	biru	108,303
			biru	
			biru	
7	1	0,0630	merah	15,873
	1	0,0630	hitam	15,873
9	1	0,0403	hitam	24,814
10	2	0,0334	hitam	59,880
			hitam	
	1	0,0334	biru	29,940
11	1	0,0309	biru	32,362
	1	0,0309	merah	32,362
15	1	0,0427	hitam	23,419
17	1	0,0604	biru	16,556
21	1	0,0401	biru	24,938
22	1	0,0379	biru	26,385
24	1	0,0446	biru	22,422
32	1	0,0203	biru	49,261
			biru	
33	1	0,0656	merah	15,244

Dermaga 2 bulan purnama

No	Jumlah	Bobot isi perut	Warna	Konsentrasi
3	1	0,0137	hitam	72,993
	1	0,0137	putih	72,993
4	1	0,0218	biru	45,872
8	1	0,0251	hitam	39,841
9	1	0,0179	merah	55,866
	1	0,0179	biru	55,866
	1	0,0179	hitam	55,866
10	2	0,0251	hitam	79,681
			hitam	
11	1	0,0240	hitam	41,667
13	2	0,0564	biru	35,461
			biru	
17	2	0,0338	biru	59,172
			biru	
20	2	0,0352	biru	56,818
			biru	
25	2	0,0735	biru	27,211
			biru	
30	1	0,0689	hitam	14,514

Dermaga 1 bulan baru

No	Jumlah	Bobot isi perut	Warna	Konsentrasi
3	1	0,0316	merah	31,646
	2	0,0316	biru biru	63,291
4	1	0,027	biru	37,037
7	1	0,0358	hitam	27,933
	1	0,0358	hijau	27,933
10	1	0,0339	biru	29,499
	1	0,0339	hijau	29,499
14	1	0,0293	biru	34,130
20	1	0,0397	hitam hitam	25,189
21	1	0,0183	hitam	54,645
	1	0,0183	merah	54,645
22	1	0,0424	biru	23,585
24	1	0,0356	biru	28,090
25	1	0,0297	biru	33,670
	1	0,0297	hitam	33,670
	1	0,0297	merah	33,670
26	1	0,0453	merah	22,075
27	1	0,0725	biru	13,793
29	1	0,0519	merah	19,268
31	2	0,0457	biru biru	43,764
32	1	0,0401	biru	24,938
	1	0,0401	merah	24,938

Dermaga 2 bulan baru

No	Jumlah	Bobot isi perut	Warna	Konsentrasi
1	2	0,0411	biru	48,662
			biru	
5	1	0,0404	hitam	24,752
6	2	0,0440	biru	45,455
			biru	
7	1	0,0478	biru	20,921
	1	0,0478	merah	20,921
8	1	0,0459	biru	21,786
9	1	0,0469	merah	21,322
11	1	0,0264	hitam	37,879
	1	0,0264	biru	37,879
12	1	0,0711	biru	14,065
15	1	0,0275	merah	36,364
17	1	0,0530	merah	18,868
22	2	0,0459	biru	43,573
			biru	
25	1	0,0707	biru	14,144
27	1	0,0403	merah	24,814
28	2	0,0686	biru	29,155
			biru	
	1	0,0686	merah	14,577
30	1	0,0783	biru	12,771
31	2	0,0541	merah	36,969
			merah	