DAFTAR PUSTAKA

A, G. K., Anjana, K., Hinduja, M., Sujitha, K., & Dharani, G. (2019). Review on plastic wastes in marine environment – Biodegradation and biotechnological solutions Review on plastic wastes in marine environment – Biodegradation and biotechnological solutions. *Marine Pollution Bulletin*, *November*, 110733. https://doi.org/10.1016/j.marpolbul.2019.110733

A Khoironi, S Anggoro, S. (2018). The existence of microplastic in Asian green mussels The existence of microplastic in Asian green mussels. *Earth and Enviromental Science*, *131*.

Abreu, A., & Pedrotti, M. L. (2019). Microplastics In The Oceans : The Solutions Lie on Land. *Institut Veolia*, *Institut V*(19), 62–67. https://doi.org/10.1126/science.1260352

Auta, H. S., Emenike, C. U., & Fauziah, S. H. (2017). Distribution and importance of microplastics in the marine environment : A review of the sources , fate , effects , and potential solutions. *Environment International*, *102*, 165–176. https://doi.org/10.1016/j.envint.2017.02.013

Ayuningtyas, W. C., Yona, D., S, S. H. J., & Iranawati, F. (2019). Kelimpahan Mikroplastik Pada Perairan Di Banyuurip, Gresik, Jawa Timur. *Journal of Fisheries and Marine Research*, *3*(1), 41–45.

Barboza, L. G. A., Vethaak, A. D., Lavorante, B. R. B. O., Lundebye, A., & Guilhermino, L. (2018). Marine microplastic debris : An emerging issue for food security , food safety and human health. *Marine Pollution Bulletin*, *133*, 336–348.

Barrows, A. P. W., Cathey, S. E., & Petersen, C. W. (2018). Marine environment microfiber contamination: Global patterns and the diversity of microparticle origins. *Environmental Pollution*, *237*, 275–284. https://doi.org/10.1016/j.envpol.2018.02.062

Beaumont, N. J., Aanesen, M., Austen, M. C., Börger, T., Clark, J. R., Cole, M., Hooper, T., Lindeque, P. K., Pascoe, C., & Wyles, K. J. (2019). Global ecological , social and economic impacts of marine plastic. *Marine Pollution Bulletin*, *142*(January), 189–195. https://doi.org/10.1016/j.marpolbul.2019.03.022

Beyer, J., Green, N. W., Brooks, S., Allan, I. J., Ruus, A., Bråte, I. L. N., & Schøyen, M. (2017). Blue mussels (Mytilus edulis spp.) as sentinel organisms in coastal pollution monitoring: A review. *Marine Environmental Research*. https://doi.org/10.1016/j.marenvres.2017.07.024

Bour, A., Haarr, A., Keiter, S., & Hylland, K. (2018). Environmentally relevant microplastic exposure affects sediment- dwelling bivalves *. *Environmental Pollution*, *236*, 652–660. https://doi.org/10.1016/j.envpol.2018.02.006

Broekhoven, W. Van, Jansen, H., Verdegem, M., & Struyf, E. (2015). *Nutrient regeneration from feces and pseudofeces of mussel Mytilus edulis spat*. *September*. https://doi.org/10.3354/meps11402

Browne, M. A., Crump, P., Niven, S. J., Teuten, E., Tonkin, A., Galloway, T., & Thompson, R. (2011). Accumulation of microplastic on shorelines woldwide: Sources and sinks. *Environmental Science and Technology*, *45*(21), 9175–9179.

https://doi.org/10.1021/es201811s

Choudhury, A., Sarmah, R., Bhagabati, S. K., Dutta, R., Baishya, S., Pokhrel, H., Mudoi, L. P., Sainary, B., & Borah, K. (2018). Microplastic pollution : An emerging environmental issue. *Journal of Entomology and Zoology Studies*, *6*(6), 340–344.

Claessens, M., Van Cauwenberghe, L., Vandegehuchte, M. B., & Janssen, C. R. (2013). New techniques for the detection of microplastics in sediments and field collected organisms. *Marine Pollution Bulletin*, *70*(1–2), 227–233. https://doi.org/10.1016/j.marpolbul.2013.03.009

Eriksen, M., Lebreton, L. C. M., Carson, H. S., Thiel, M., Moore, C. J., Borerro, J. C., Galgani, F., Ryan, P. G., & Reisser, J. (2014). Plastic Pollution in the World's Oceans: More than 5 Trillion Plastic Pieces Weighing over 250,000 Tons Afloat at Sea. *PLoS ONE*, 1–15. https://doi.org/10.1371/journal.pone.0111913

Espiritu, E. Q., Dayrit, S. A. S. N., Coronel, A. S. O., Paz, N. S. C., Ronquillo, P. I. L., Castillo, V. C. G., & Enriquez, E. P. (2019). Assessment of Quantity and Quality of Microplastics in the Sediments , Waters , Oysters , and Selected Fish Species in Key Sites Along the Bombong Estuary and the Coastal Waters of Ticalan in San Juan , Batangas. *Philippine Journal of Science*, *148*(4), 789–801.

Fachruddin, L., Yaqin, K., & Iin, R. (2020). Jurnal Pengelolaan Perairan Perbandingan dua metode analisis konsentrasi mikroplastik pada pada kerang hijau, Perna viridis dan penerapannya dalam kajian ekotoksikologi. *Jurnal Pengelolaan Perairan*, *3*(x), 1–12.

Fackelmann, G., & Sommer, S. (2019). Microplastics and the gut microbiome : How chronically exposed species may su ff er from gut dysbiosis. *Marine Pollution Bulletin*, *143*(April), 193–203. https://doi.org/10.1016/j.marpolbul.2019.04.030

FAO. (2017). Microplastics in Fisheries and Aquaculture. In *FIAT PANIS*. FIAT PANIS.

Gamage, G., Thushari, N., Duminda, J., Senevirathna, M., Yakupitiyage, A., & Chavanich, S. (2017). Effects of microplastics on sessile invertebrates in the eastern coast of Thailand : An approach to coastal zone conservation. *Marine Pollution Bulletin*, *June*, 0–1. https://doi.org/10.1016/j.marpolbul.2017.06.010

GESAMP. (2015a). Sources, fate and effects of microplastics in the marine environment: a global assessment. *INTERNATIONAL MARITIME ORGANIZATION*, 5–93.

GESAMP. (2015b). Sources, fate and effects of MP in the marine environment. *Journal Series GESAMP Reports and Studies*, *90*, 98. www.imo.org

Goldstein, M. C., & Goodwin, D. S. (2013). Gooseneck barnacles (Lepas spp .) ingest microplastic debris in the North Pacific Subtropical Gyre. *Peer J*, 1–17. https://doi.org/10.7717/peerj.184

Gregory, M. R. (1996). Plastic ' Scrubbers ' in Hand Cleansers : a Further (and Minor) Source for Marine Pollution Identified. *Marine Pollution Bulletin*, *32*(12), 867–871.

Hastuti, A. R., Lumbanbatu, D. T. F., & Wardiatno, Y. (2019). The presence of microplastics in the digestive tract of commercial fishes off pantai Indah Kapuk coast, Jakarta, Indonesia. *Biodiversitas*, *20*(5), 1233–1242. https://doi.org/10.13057/biodiv/d200513

Hidalgo-Ruz, V., Gutow, L., Thompson, R. C., & Thiel, M. (2012). Microplastics in the marine environment: A review of the methods used for identification and quantification. *Environmental Science and Technology*, *46*(6), 3060–3075. https://doi.org/10.1021/es2031505

Hiwari, H., Purba, N. P., Ihsan, Y. N., Yuliadi, L. P. S., & Mulyani, P. G. (2019). *Kondisi sampah mikroplastik di permukaan air laut sekitar Kupang dan Rote , Provinsi Nusa Tenggara Timur Condition of microplastic garbage in sea surface water at around Kupang and Rote , East Nusa Tenggara Province*. *5*, 165–171. https://doi.org/10.13057/psnmbi/m050204

Hoegh-Guldberg, O., Cai, R., Poloczanska, E., Brewer, P., Sundby, S., Hilmi, K., Fabry, V., & Jung, S. (2015). Plastic waste inputs from land into the ocean. *Science*, *347*(September 2014), 1655–1734. https://doi.org/10.1017/CBO9781107415386.010

Joesidawati, M. I. (2019). *Pencemaran mikroplastik di sepanjang pantai kabupaten tuban*. *January*.

Ke, A., Chen, J., Zhu, J., Wang, Y., Hu, Y., Fan, Z., & Chen, M. (2019). Impacts of leachates from single-use polyethylene plastic bags on the early development of clam Meretrix meretrix (Bivalvia : Veneridae). *Marine Pollution Bulletin*, *142*(March), 54–57. https://doi.org/10.1016/j.marpolbul.2019.03.029

Khoironi, A., Anggoro, S., & Sudarno. (2018). The existence of microplastic in Asian green mussels. *IOP Publishing*, *131*, 2–7.

Kovač Viršek, M., Palatinus, A., Koren, Š., Peterlin, M., Horvat, P., & Kržan, A. (2016). Protocol for Microplastics Sampling on the Sea Surface and Sample Analysis. *Journal of Visualized Experiments : JoVE*, *118*, 1–9. https://doi.org/10.3791/55161

Kühn, S., Werven, B. Van, Oyen, A. Van, Meijboom, A., Bravo, E. L., & Franeker, J. A. Van. (2017). The use of potassium hydroxide (KOH) solution as a suitable approach to isolate plastics ingested by marine organisms. *Marine Pollution Bulletin*, *115*(1–2), 86–90. https://doi.org/10.1016/j.marpolbul.2016.11.034

Laihonen, P., Furman, E. R., & Station, T. Z. (1986). The sute of settlement indicates commensalism between blue mussel and its epibiont. *Oecologia*, *71*, 38–40.

Lee, K. S., Prabowo, R. E., & Chan, B. K. K. (2009). *Barnacles Thoracica Excluding The Pyrgomatidae and Acastine* (T. Y. Chan (ed.); 9th ed.). National Science Council.

LeMoine, C. M. R., Kelleher, B. M., Lagarde, R., Northam, C., Elebute, O. O., & Cassone, B. J. (2018). Transcriptional effects of polyethylene microplastics ingestion in developing zebrafish (Danio rerio). *Environmental Pollution*, *243*, 591–600. https://doi.org/10.1016/j.envpol.2018.08.084

Lesser, M. P., Shumway, S. E., Smith, J., & Cuccia, T. (1992). Impact of fouling organisms on mussel rope culture : interspecific competition for food among suspension-feeding invertebrates. *Marine Biology*, *165*, 91–102.

Lusher, A. L., Welden, N. A., Sobral, P., & Cole, M. (2017). Sampling, isolating and identifying microplastics ingested by fish and invertebrates. *Analytical Methods*, *9*(9), 1346–1360. https://doi.org/10.1039/c6ay02415g

Manalu, A. A. (2017). Kelimpahan mikroplastik di teluk jakarta anggresia adhyastri manalu. *Tesis*.

Murphy, F., & Quinn, B. (2018). The effects of microplastic on freshwater Hydra attenuata feeding , morphology & reproduction *. *Environmental Pollution*, *234*, 487–494. https://doi.org/10.1016/j.envpol.2017.11.029

Prokic, M. D., Radovanovic, T. B., Gavric, J. P., & Faggio, C. (2019). Ecotoxicological Effects of Microplastics : Examination of Biomarkers , Current State and Future Perspectives. *Trends in Analytical Chemistry*, *111*, 37–46. https://doi.org/10.1016/j.trac.2018.12.001

Puspitasari, R. (2007). LAJU POLUTAN DALAM EKOSISTEM LAUT. *Oseana*, *XXXII*(2), 21–28.

Qu, X., Su, L., Li, H., Liang, M., & Shi, H. (2018). Assessing the relationship between the abundance and properties of microplastics in water and in mussels. *Science of the Total Environment*, *621*, 679–686. https://doi.org/10.1016/j.scitotenv.2017.11.284

Raiklin, A. (2004). *Marine Biofouling* (T. A. Ganf & O. G. Manylov (eds.)). CRC Press.

Reed, C. (2015). Plastic Age : How it's reshaping rocks , oceans and life. *New Scientist*, *3006*(January), 1–8.

Ribeiro, F., Garcia, A. R., Pereira, B. P., Fonseca, M., Mestre, N. C., Fonseca, T. G., Ilharco, L. M., & João, M. (2017). *Microplastics effects in Scrobicularia plana*. *May*. https://doi.org/10.1016/j.marpolbul.2017.06.078

S.Dharmaraj, A.Chellam, & T.S.Velayudhan. (1987). Biofouling, Boring and Predation of Pearl Oyster. *PEARL CULTURE*, *2704*.

Saltenrich. (2015). New Link in the Food Chain? *Marine Plastic Pollution*, *123*(2), 34–42.

Schirinzi, G. F., Ped, C., Battaglia, P., Laface, F., Galli, M., Baini, M., Consoli, P., Scotti, G., Esposito, V., Faggio, C., Farr, M., Barcel, D., Fossi, M. C., Andaloro, F., & Romeo, T. (2020). A new digestion approach for the extraction of microplastics from gastrointestinal tracts (GITs) of the common dolphinfish (Coryphaena hippurus) from the western Mediterranean Sea. *Journal of Hazardous Materials*, 122794. https://doi.org/10.1016/j.jhazmat.2020.122794

Schwarz, A. E., Ligthart, T. N., Boukris, E., & van Harmelen, T. (2019). Sources, transport, and accumulation of different types of plastic litter in aquatic environments: A review study. *Marine Pollution Bulletin*, *143*(March), 92–100. https://doi.org/10.1016/j.marpolbul.2019.04.029

Smith, M., Love, D. C., Rochman, C. M., & Neff, R. A. (2018). Microplastics in Seafood and the Implications for Human Health. *Current Environmental Health Reports*, *5*(3), 375–386. https://doi.org/10.1007/s40572-018-0206-z

Sulistiawan. (2007). *Asosiasi Teritip pada Komunitas Kerang Hijau yang dipelihara di Muara Kamal, Teluk Jakarta*.

Tamrin, S. (2020). *Konsentrasi mikroplastik pada kerang tahu di pantai Lemo, Kecamatan Burau, Kabupaten Luwu Timur, Sulawesi Selatan*.

Tanaka, K., & Takada, H. (2016). Microplastic fragments and microbeads in digestive tracts of planktivorous fish from urban coastal waters. *Scientific Reports*, *6*(March), 1–8. https://doi.org/10.1038/srep34351

Taylor, P., & Rittschof, D. (2009). Natural product antifoulants : One perspective on the challenges related to coatings development Natural Product Antifoulants : One Perspective on the Challenges Related to Coatings Development. *Biofouling*, *15(1-3)*(October 2013), 37–41. https://doi.org/10.1080/08927010009386303

Victoria, A. V. (2017). Kontaminasi Mikroplastik di Perairan Tawar. *Teknik Kimia ITB*, *1*, 2–11.

Wang, W., Wairimu, A., Li, Z., & Wang, J. (2017). Science of the Total Environment Microplastics pollution in inland freshwaters of China : A case study in urban surface waters of Wuhan , China. *Science of the Total Environment, The*, *575*, 1369–1374. https://doi.org/10.1016/j.scitotenv.2016.09.213

Weis, J. S. (2019). Improving microplastic research. *AISM Enviromental Science*, *6*(5), 326–340. https://doi.org/10.3934/environsci.2019.5.326

Wessel, C. C., Lockridge, G. R., Battiste, D., & Cebrian, J. (2016). Abundance and characteristics of microplastics in beach sediments : Insights into microplastic accumulation in northern Gulf of Mexico estuaries. *Marine Pollution Bulletin*, *109*(1), 178–183. https://doi.org/10.1016/j.marpolbul.2016.06.002

Widianarko, B., & Hantoro, I. (2018). *Mikroplastik Mikroplastik dalam Seafood Seafood dari Pantai Utara Jawa*. www.unika.ac.id

Wisehart, G. D., Rempala, E. C., & Leboffe, M. J. (2012). *A Photographic Atlas of Marine Biology*.

Wu, P., Huang, J., Zheng, Y., Yang, Y., Zhang, Y., He, F., Chen, H., Quan, G., Yan, J., Li, T., & Gao, B. (2019). Environmental occurrences, fate, and impacts of microplastics. *Ecotoxicology and Environmental Safety*, *184*(April), 109612. https://doi.org/10.1016/j.ecoenv.2019.109612

Xu, X., Wong, C. Y., Tam, N. F. Y., Liu, H. M., & Cheung, S. G. (2020). Barnacles as potential bioindicator of microplastic pollution in Hong Kong. *Marine Pollution Bulletin*, *154*(March). https://doi.org/10.1016/j.marpolbul.2020.111081

Yaqin, K., Fachruddin, L., & Rahim, N. F. (2015). Studi Kandungan Logam Timbal (PB) Kerang Hijau , Perna viridis Terhadap Indeks Kondisinya. *Jurnal Lingkungan Indonesia*, *III*(6), 309–317.

Yu, S., & Chan, B. K. K. (2020). Intergenerational microplastics impact the intertidal barnacle Amphibalanus amphitrite during the planktonic larval and benthic adult stages *. *Environmental Pollution*, *267*, 115560. https://doi.org/10.1016/j.envpol.2020.115560

LAMPIRAN

Lampiran 1. Dokumentasi penelitian

Gambar 12. Sampel Kerang hijau yang ditempeli *biofouling*

Gambar 13. Preparasi Sampel

Gambar 14. Lokasi pengambilan sampel

Gambar 15. Lokasi sekitar pengambilan sampel

Gambar 16. Penambahan larutan KOH pada sampel

Lampiran 2. Perhitungan jumlah sampel

- **Perhitungan Lemeshow**

$$n = \frac{Z\alpha^2 \times P \times Q}{\mathrm{L}^2}$$

$$n = \frac{1{,}96^2 \times 0{,}5 \times (1 - 0{,}5)}{0{,}1^2}$$

$$n = \frac{3{,}8416 \times 0{,}25}{0{,}01}$$

$$n = 96{,}04$$

96 merupakan jumlah minimal sampel yang harus diambil di lapangan sedangkan pada penelitian ini jumlah sampel yang terambil sebanyak 151 individu.

- **Perhitungan kelompok ukuran panjang cangkang kerang**

Panjang terkecil : 2,42 cm

Panjang terbesar : 14,62 cm

Logaritma harga terbesar = Log 14,62 = 1,1649

Logaritma harga terkecil = Log 2,42 = 0,3838

Beda logaritma = 1,1649 – 0,3838 = 0,7811

Banyaknya kelas yang dikehendaki = 3

Beda logaritma tengah-tengah kelas = $\frac{0{,}7811}{3}$ = 0,2603

Logaritma tengah-tengah kelas pertama = 0,3838 + $\frac{0{,}2603}{2}$ = 0,5139

Harga-harga yang terdapat didalam kelas panjang yaitu:

Kelas	Logaritma Harga Terendah	Logaritma Tengah Kelas	Antilog Harga Terendah	Antilog Tengah Kelas
I	0,3838	0,5139	2,42	3,27
II	0,6441	0,7742	4,41	5,95
III	0,9044	1,0345	8,02	10,83

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

Kelas I : 2,42 – 4,40 = 44 Individu

Kelas II : 4,41 – 8,01 = 56 Individu

Kelas III : 8,02 – 14,62 = 37 Individu

151 Individu

Jumlah sampel yang dibutuhkan

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

$$n = \frac{151}{1 + 151\ (0{,}05^2)}$$

$$n = \frac{151}{1{,}3775}$$

$$n = 109{,}6188 \Rightarrow 110$$

Jumlah sampel tiap kelas :

$$ni = \frac{Ni}{N} \times n$$

$$ni = \frac{44}{151} \times 110\ = 32$$

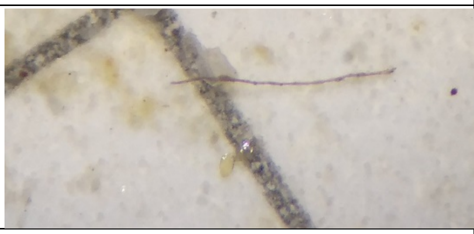
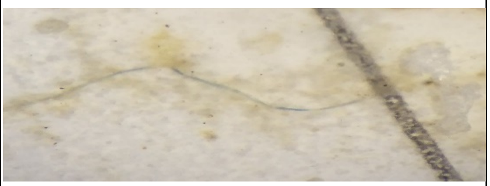
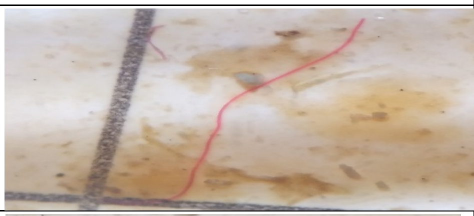
$$ni = \frac{56}{151} \times 110\ = 41$$

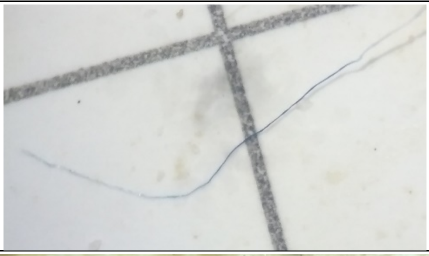
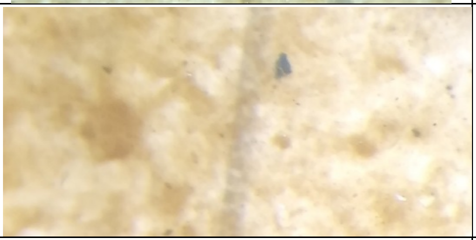
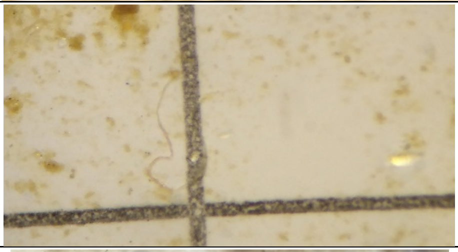
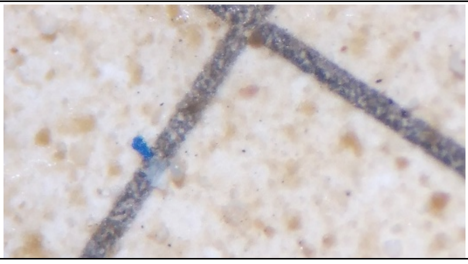
$$ni = \frac{51}{151} \times 110\ = 37$$

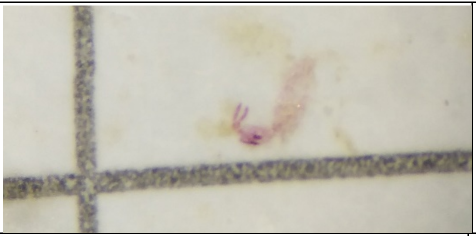
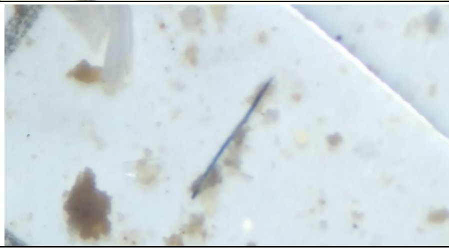
Total sampel 32 + 41 + 37 = 110

Lampiran 3. Mikroplastik yang di temukan pada *biofouling*

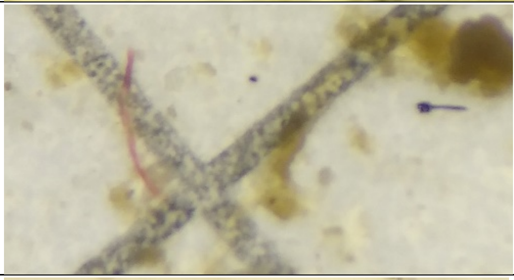
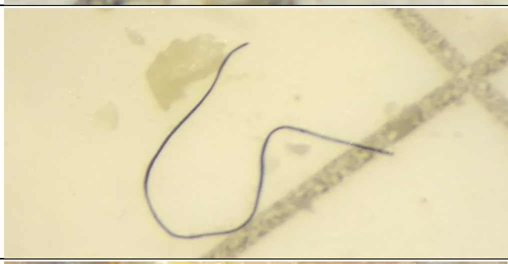
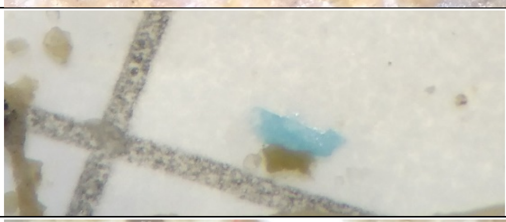
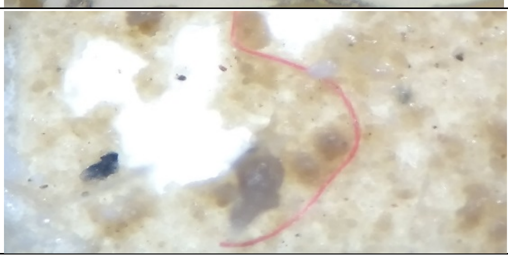
1. Kelompok ukuran panjang cangkang kerang 2.42-4.40 cm

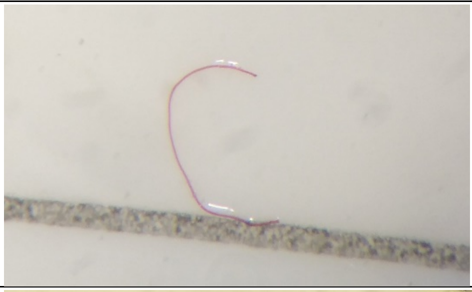
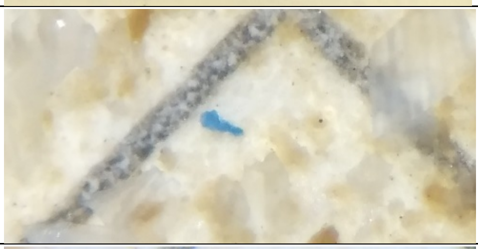
NO	GAMBAR	BENTUK	WARNA	UKURAN (mm)
1(1)		Fiber	Merah	2.72
9(1)		Fiber	Hitam	1.18
9(2)		Fiber	Hitam	2.88
10 (1)		Fiber	Merah	3.00
14 (1)		Fiber	Merah	1.11
14 (2)		Fiber	Biru	0.82

14 (3)		Fiber	Biru	4.56
16 (1)		Fragmen	Biru	1.69
16 (2)		Fragmen	Biru	0.26
17 (2)		Fiber	Merah	2.27
21 (1)		Fiber	Biru	1.63
25 (3)		Fiber	Hitam	3.02
26 (2)		Fragmen	Biru	0.15

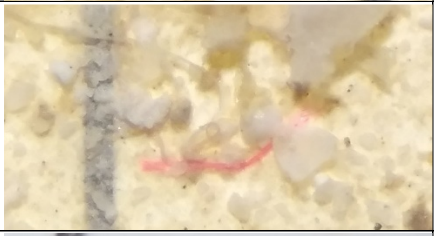
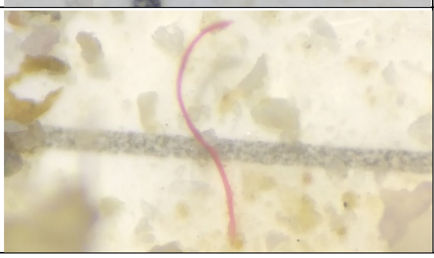
27 (2)		Fiber	Merah	1.03
28 (3)		Fiber	Biru	0.77

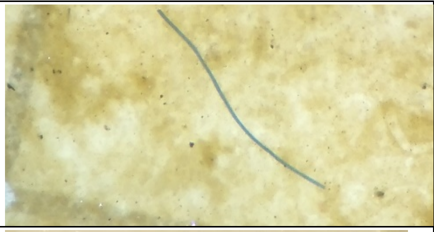
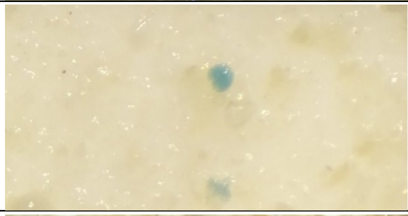
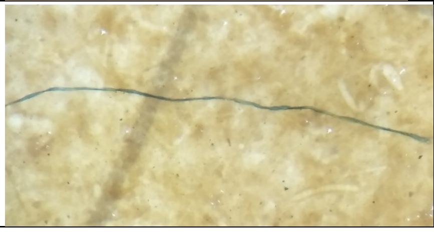
2. Kelompok ukuran panjang cangkang kerang 4.41-8.01

NO	GAMBAR	BENTUK	WARNA	UKURAN (mm)
33 (1)		Fiber	Merah	1.11
36 (1)		Fiber	Merah	0.66
38 (1)		Fiber	Biru	3.18
42 (2)		Fragmen	Biru	0.76
45 (2)		Fragmen	Biru	0.4
46 (4)		Fiber	Merah	4.72

49 (5)		Fiber	Merah	1.44
52 (1)		Fiber	Biru	0.74
54 (3)		Fragmen	Biru	0.16
55(9)		Fiber	Biru	1.48

3. Kelompok ukuran panjang cangkang kerang 8.02-14.62

NO	GAMBAR	BENTUK	WARNA	UKURAN (mm)
80 (1)		Film	Putih	0.28
85 (1)		Fiber	Merah	0.69
87 (1)		Fragmen	Biru	0.28
93 (1)		Fiber	Merah	1.01
95 (1)		Fragmen	Merah	0.45
98 (1)		Fiber	Merah	1.42
103 (1)		Fiber	Merah	1.45

104 (1)		Fiber	Biru	1.06
105 (3)		Fragmen	Biru	0.16
110 (1)		Fiber	Biru	3.22

Lampiran 3. Hasil uji *one way onova* dengan *Graphad Prism*

1. Konsentrasi mikroplastik berdasarkan panjang cangkang

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Kelas A vs Kelas B	-3.832	0.9810	No	ns	-17.28 to 9.612
Kelas A vs Kelas C	6.617	1.609	No	ns	-7.537 to 20.77
Kelas B vs Kelas C	10.45	2.873	No	ns	-2.069 to 22.97

2. Konsentrasi bentuk mikroplastik pada kerang hijau

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Fiber vs Fragmen	4.866	1.830	No	ns	-4.189 to 13.92
Fiber vs Film	4.112	1.205	No	ns	-7.508 to 15.73
Fragmen vs Film	-0.7541	0.1931	No	ns	-14.05 to 12.54

3. Konsentrasi bentuk mikroplastik disetiap kelas

- **Kelas A**

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary
Fiber vs Fragmen	6.451	2.320	No	ns
Fiber vs Film	6.532	1.460	No	ns
Fragmen vs Film	0.08164	0.01805	No	ns

- **Kelas B**

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Fiber vs Fragmen	7.419	1.553	No	ns	-9.506 to 24.34
Fiber vs Film	8.133	1.023	No	ns	-20.04 to 36.31
Fragmen vs Film	0.7136	0.08368	No	ns	-29.50 to 30.93

- **Kelas C**

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Fiber vs Fragmen	0.1934	0.07017	No	ns	-9.933 to 10.32
Fiber vs Film	-1.845	0.5570	No	ns	-14.01 to 10.32
Fragmen vs Film	-2.038	0.5547	No	ns	-15.54 to 11.46

4. Konsentrasi mikroplastik berdasarkan warna

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Biru vs Merah	1.048	0.4455	No	ns	-7.749 to 9.846
Biru vs Putih	3.720	1.213	No	ns	-7.750 to 15.19
Biru vs Hitam	4.077	1.018	No	ns	-10.90 to 19.06
Merah vs Putih	2.672	0.8713	No	ns	-8.798 to 14.14
Merah vs Hitam	3.029	0.7561	No	ns	-11.95 to 18.01
Putih vs Hitam	0.3567	0.07992	No	ns	-16.34 to 17.05

5. Konsentrasi mikroplastik berdasarkan warna pada tiap kelas

- **Kelas A**

Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
Biru vs Merah	1.631	No	ns
Biru vs Putih	-4.036	No	ns
Biru vs Hitam	1.714	No	ns
Merah vs Putih	-5.667	No	ns
Merah vs Hitam	0.08333	No	ns
Putih vs Hitam	5.750	No	ns

- **Kelas B**

Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
Merah vs Biru	-1.356	No	ns
Merah vs Putih	2.542	No	ns
Merah vs Hitam	8.417	No	ns

Biru vs Putih	3.898	No	ns
Biru vs Hitam	9.773	No	ns
Putih vs Hitam	5.875	No	ns

- **Kelas C**

Tukey's Multiple Comparison Test	Mean Diff.	q	Significant? P < 0.05?	Summary	95% CI of diff
Merah vs Biru	-5.140	1.347	No	ns	-20.69 to 10.41
Merah vs Putih	-1.969	0.3997	No	ns	-22.05 to 18.11
Merah vs Hitam	-2.712	0.4739	No	ns	-26.04 to 20.62
Biru vs Putih	3.171	0.6437	No	ns	-16.91 to 23.25
Biru vs Hitam	2.427	0.4241	No	ns	-20.90 to 25.76
Putih vs Hitam	-0.7435	0.1141	No	ns	-27.31 to 25.82

6. Perbandingan konsentrasi mikroplastik pada kerang hijau dan *biofouling*

Dunn's Multiple Comparison Test	Difference in rank sum	Significant? P < 0.05?	Summary
A vs B	-1.203	No	ns
A vs C	-29.98	Yes	***
B vs C	-28.77	Yes	***