

DAFTAR PUSTAKA

- Adi, B., & Fachrorozy Satria. (2020). *Prarancangan Pabrik Polietilen Tereftalat*.
- Agusti, T. A. (2020). *Analisis Keanekaragaman Mikroba Hasil Next Generation Sequencing (NGS) pada Proses Anaerobic Digestion Limbah POME (Palm Oil Mill Effluent) dan Tanah Gambut dalam Produksi Gas Metan*.
- Agustono, S. ., & Muhajir. (2012). Strategi Bakteri untuk Menekan Pertumbuhan Bakteri Patogen di dalam pengenceran Kerapu *chromileptes altivelis*. *Jurnal Ilmiah Perikanan Dan Kelautan*.
- Akihary, C. V., & Kolondam, B. J. (2020). PEMANFAATAN GEN 16S rRNA SEBAGAI PERANGKAT IDENTIFIKASI BAKTERI UNTUK PENELITIAN-PENELITIAN DI INDONESIA. *Pharmacon*, 9(1), 16. <https://doi.org/10.35799/pha.9.2020.27405>
- Alexander, M. (1977). *Introduction of Soil Microbiology* (J. W. and Sons & Inc. (eds.)).
- Amaral-Zettler, L. A., Zettler, E. R., Slikas, B., Boyd, G. D., Melvin, D. W., Morrall, C. E., Proskurowski, G., & Mincer, T. J. (2015). *The biogeography of the Plastisphere: implications for policy*.
- Ardi, I. (2021). *Analisis Keanekaragaman Mikroba Hasil Next Generation Sequencing (NGS) di Lumpur Sidoarjo*.
- Artika, M. D. (2017). Novel Aruna dan Lidahnya Karya Laksmi Pamuntjak: Perspektif Gastrocritisim. *Implementation Science*, 39(1).
- Arutchelvi, J. & M. S. & A., & Ambika & Doble, Mukesh & Bhaduri, S. & U. P. (2008). *Biodegradation of polyethylene and polypropylene*.
- Ayuningtyas, W. C. (2019). Kelimpahan Mikroplastik Pada Perairan Di Banyuurip, Gresik, Jawa Timur. *JFMR-Journal of Fisheries and Marine Research*, 3(1), 41–45. <https://doi.org/10.21776/ub.jfmr.2019.003.01.5>
- Barbour, M. G., Burk, J. H., & Pitts, W. D. (1987). *Methods of Sampling the Plant Community*.
- Bastiaans, M. J. (1984). New class of uncertainty relations for partially coherent light. *Journal of the Optical Society of America A*, 1(7), 711.
- Belma & Dinçer, M. (2008). Effects of the reciprocal mini-chin cup appliance. *European Journal of Orthodontics*.
- Black, J. G. (2022). *Microbiology*. John Wiley & Sons, Inc.
- Bougis, P. (1976). *Marine Plankton Ecology Nort Holland Publishing*.
- Bråte ILN, Eidsvoll DP, Steindal CC, T. K. (2016). Plastic ingestion by Atlantic cod. *From*

- the Norwegian Coast. Mar Pollut Bull.*
- Brown, T. . (1991). *Pengantar Kloning Gen* (P. (Muhammad, S. A & Praseno (ed.)). Yayasan Essentia Medica:
- Budiardi, T. (1998). Evaluasi Kualitas Air, Pengelolaan Air dan Produksi Udang Windu. *Pada Budidaya Intensif.*
- Campbell, M. L. R. (2008). *Biologi* (Edisi 5 Ji). Erlangga.
- Campbell, N. A., & J. B. Reece. (2010). *Biologi* (T. D. T. Wulandari. (ed.)). Erlangga.
- Cerniglia, C. E. (1992). Biodegradation of Polycyclic Aromatic Hydrocarbons. *Biodegradation. Biodegradation.*
- Chee, J. Y. (2010). Bacterially Produced Polyhydroxyalkanoate (PHA) from Triglycerides, Fatty Acids and Glycerols. *Journal of Polymer and the Environment.*
- Citrasari, N., Oktavetri, N., & Aniwindira, N. (2012). Analisis laju timbunan dan komposisi sampah di permukiman pesisir Kenjeran Surabaya. *Journal of Biological Researches.*, 83–85.
- Clark, D., & Pazdernik, N. (2008). *Biotechnology* (1st ed.).
- Dahuri, R. (2003). *Keanekaragaman Hayati Laut, Aset Pembangunan Berkelanjutan*. PT Gramedia Pustaka Utama.
- Dinas Pariwisata dan Kebudayaan DKI Jakarta. (2019). *Ensiklopedia Jakarta : Jakarta Teluk*. <http://encyclopedia.jakarta-tourism.go.id/post/Jakarta-Teluk?lang=id>
- Elpawati. (2015). Uji Coba Produksi Mikroorganisme Pendegradasi (Penghancur) Sampah Plastik. *Jurnal Agribisnis, Vol.9*, 11–22.
- Fachrul, M. F., & Rinanti, A. (2018). Bioremediasi Pencemar Mikroplastik di Ekosistem Perairan Menggunakan Bakteri Indigenous. *Prosiding Seminar Nasional Kota Berkelanjutan, 2015*, 302–312.
- Fardiansyah, D. (2011). Budidaya Udang Vannamei di Air Tawar. *Artikel Ilmiah.*
- Flin R.A. & P.K Trojan. (1975). *Engineering materials and their applications.*
- Foulon, Valentin & Le Roux, F., & Lambert, C. & H., Arnaud & Soudant, P. & Paul-Pont, I. (2016). Colonization of Polystyrene Microparticles by *Vibrio crassostreae*: Light and Electron Microscopic Investigation. *Microscopic Investigation. Environmental Science & Technology.*
- Furukawa, T. A., Barbui, C., Cipriani, A., Brambilla, P., & Watanabe, N. (2006). *Imputing missing standard deviations in meta-analyses can provide accurate results.*
- Gao. (2016). *Change of urinary cadmium and renal tubular protein in female works after cessation of cadmium exposure.*

- Gauthier, I., James, Thomas & Curby, K. & T., & Michael. (2003). *The influence of conceptual knowledge on visual discrimination. Cognitive neuropsychology.*
- Ghosh, S. K., Pal, S., & Ray, S. (2013). Study of microbes having potentiality for biodegradation of plastics. *Environmental Science and Pollution Research*,.
- Ghosh SK, Pal S, R. S. (2013). *Study of microbes having potentiality for biodegradation of plastics.*
- Hamuna, B., Tanjung, R. H. R., Suwito, S., Maury, H. K., & Alianto, A. (2018). *Kajian Kualitas Air Laut dan Indeks Pencemaran Berdasarkan Parameter Fisika-Kimia di Perairan Distrik Depapre, Jayapura.*
- Heddy, S., & Kurniati, M. (1996). *Prinsip-prinsip Dasar Ekologi: Suatu Bahasan Tentang Kaidah Ekologi dan Penerapannya.* PT Raja Grafindo Persada.
- Holt, J. . (2000). *Bergey's Manual Determinative Bacteriology. Baltimore: William and Wilkins Baltimore.*
- Indonesia Solid Waste Association. (2015). *Fenomena Sampah Plastik di Indonesia.*
<https://inswa.or.id/fenomena-sampah-plastik-di-indonesia/>
- Iqbal, M., Jurusan, F., Biologi, T., Tarbiyah, F., Keguruan, I., & Tulungagung, I. (2020). *Uji Degradasi Plastik Polietilen Menggunakan Metode Kolom Winogradsky dengan Penambahan Lactobacillus bulgaricus dan Streptococcus thermophilus Polyethylene Plastic Degradation Test Using the Winogradsky Column Method with Lactobacillus bulgaricus and Str. 9(2), 153–157.*
- Jacquin, J., Cheng¹, J., Odobel¹, C., Pandin¹, C., & Conan, P. (2019). *icrobial Ecotoxicology of Marine Plastic Debris: A Review on Colonization and Biodegradation by the “Plastisphere.”*
- John Weinstein, Crocker, Brittany, Gray, & Austin. (2016). From macroplastic to microplastic: Degradation of high density polyethylene, polypropylene, and polystyrene in a salt marsh habitat. *Environmental Toxicology and Chemistry.*
- Julie Masura, Baker, J., Foster, G., Arthur, and C., & Herring, C. (2015). *Laboratory Methods for the Analysis of Microplastics in the Marine Environment. July.*
- Jusuf, M. (2001). *Struktur dan Ekspresi gen.* IPB.
- Karim, M. (2020). *Pokok - Pokok Pikiran Reklamasi Teluk Jakarta dan Pengelolaan Pesisir dan Laut Indonesia.* 1–4.
- Kementrian Perindustrian. (2016). *KODE PLASTIK DAN PENERAPAN PRODUKNYA.*
<https://bdiyogyakarta.kemenperin.go.id/news/post/2016/09/15/141/kode-plastik-dan-penerapan-produknya>

- Krebs, C. J. (1989). *Experimental Analysis of Distribution and Abundanc. Third Edition.*
- Kristanto, P. (2002). *Ekologi Industri.*
- Kumar, A. ., Karthick, K., & Arumugam. (2011). Properties of Biodegradable Polymers and Degradatin for Sustainable Development. *International Journal of Chemical Engineering and Applications*, 2(3), 164-167.
- Lajeunesse, S. (2004). *Plastic bags.*
- Landi, T., & Arijanto. (2017). *Perancangan dan Uji Alat Pengolah Sampah Plastik Jenis LDPE (Low Density Polyethylene) Menjadi Bahan Bakar Alternatif. 5.*
- Latifah, M. (2019). *Analisis Bakteri Coliform Pasa Air Laut Kawasan Wisata Bahari di Kecamatan Pulo Aceh.*
- Law, Kara & Thompson, R. (2014). Oceans. Microplastics in the seas. *Science*, 345.
- Leslie, M. (2017). *An Ethnographic Study of Health Information Technology Use in Three Intensive Care Units.*
- M, P. R. D. (2005). Biodegradation of Synthetic and Natural Plastic by Microorganisms. *Indian Journal of Biotechnology.*
- Magurran, A. . (1998). Ecological Diversity and Its Measurement. *Princeton University Press.*
- Manalu, A. A., Hariyadi, S., & Wardiatno, Y. (2017). *Kelimpahan Mikroplastik di Teluk Jakarta.*
- Mori, A. S., Isbell, F., & Seidl, R. (2018). β -Diversity, Community Assembly, and Ecosystem Functioning. *Trends in Ecology and Evolution*, 33(7), 549–564.
<https://doi.org/10.1016/j.tree.2018.04.012>
- Mujiarto, I. (2005). *Sifat dan karakteristik material plastik dan bahan aditif. 3.*
- Naima Atiq, Ahmed Garba & Ali, M. & S. A., & Ahmad, & Robson, G. (2010). Isolation and identification of polystyrene biodegrading bacteria from soil. *African Journal of Microbiology Research.*
- Ni'matuzahroh. (2009). *Bioremediasi tanah tercemar minyak menggunakan konsersium mikroba.*
- Noer, S. (2021). Identifikasi Bakteri secara Molekular Menggunakan 16S rRNA. *EduBiologia: Biological Science and Education Journal*, 1(1), 1.
<https://doi.org/10.30998/edubiologia.v1i1.8596>
- Notoprawiro, & Agustina, F. (2015). Populasi Bakteri Heterotrof. *Jurnal Pendidikan Biologi Indonesia*, 1, 334–342.
- Nurminah, M. (2002). *Penelitian Sifat Berbagai Bahan Kemasan Plastik dan Kertas serta*

- Pengaruhnya terhadap Bahan yang Dikemas. USU Online Library.*
- Nybakken, J. W. (1992). *Biologi laut suatu pendekatan ekologis*. PT Gramedia.
- Oberbeckmann, Sonja & Löder, Martin & Labrenz, M. (2015). Marine microplastic-associated biofilms. *Review. Environmental Chemistry*.
- Othmer, K. (2012). *Kirk-Othmer Encyclopedia of Chemical Technology*.
- P, H. A., M. D., Donohoe, B. S., Rorrer, N. A., Kearns, F. L., S., R. L., Pollard, B. C., Dominick, G., Duman R., El Omari K., M., V., Wagner, A., Michener, W. E., Amore, A., Skaf M. S., C. M., F., Thorne, A. W., Johnson, C. W., & Woodcock, H. L., McGeehan, J. E. (n.d.). *Characterization and engineering of a plastic-degrading aromatic polyesterase*.
- Patil, K., Patil, S., Patil, S., & Patil, V. (2015). Monitoring of Turbidity, PH & Temperature of Water Based on GSM. *International Journal for Research in Emerging Science and Technology, Vol.2*.
- Premraj, R., & Doble, M. (2005). *Biodegradation of polymers. Indian Journal of Biotechnology*.
- Prescott M, et al. (1999). The length of polypeptide linker affects the stability of green fluorescent protein fusion proteins. *Anal Biochem*.
- Priyo Utomo, N. B., Susan, & Setiawati, M. (2013). Peran tepung ikan dari berbagai bahan baku terhadap pertumbuhan lele sangkuriang Clarias sp. *Jurnal Akuakultur Indonesia, 12(2)*, 158–168.
- R.G. Wetzel. (2001). *Limnology Lake and Reservoir Ecosystems*.
- Ratna, D. A. P., Samudro, G., & Sumiyati, S. (2017). *Pengaruh Kadar Air terhadap Proses Pengomposan Sampah Organik dengan Metode Takakura*.
- Restrepo-Flórez et al. (2014). *Microbial degradation and deterioration of polyethylene*.
- S. Nanda, S. S. S. (2010). Biodegradability of polyethylene by *Brevibacillus*, *Pseudomonas*, and *Rhodococcus* spp. *Engineering, Biology*.
- S, S. A. A. H. F. H. A. A. (2008). *Biological degradation of plastics: a comprehensive review*. 246–265.
- Said, N. I., & Hartaja, D. R. K. (2018). Pengolahan Air Lindi Dengan Proses Biofilter Anaerob-Aerob Dan Denitrifikasi. *Jurnal Air Indonesia, 8(1)*.
<https://doi.org/10.29122/jai.v8i1.2380>
- Salmin. (2000). *Oksigen terlarut/ Dissolved Oxygen*.
- Silva, L. da, & Barbosa, J. M. (2009). *Seaweed meal as a protein source for the white shrimp Litopenaeus vannamei*.

- Sivan, A. (2011). *New perspectives in plastic biodegradation*. 22.
- Sumarsono, T. (2011). *Biodegradasi Campuran Benzen, Toluena, dan Xilen (BTX) dalam Adsorben*. 1(8), 2011.
- Surono, U. B., & Ismanto. (2020). Pengolahan Sampah Plastik Jenis PP, PET dan PE Menjadi Bahan Bakar Minyak dan Karakteristiknya. *ARMATUR : Artikel Teknik Mesin & Manufaktur*, 1(1), 35–40. <https://doi.org/10.24127/armatur.v1i1.188>
- Tamara, G. S. W. R. T. (2013). *The physical impacts of microplastics on marine organisms: A review*. *Environmental pollution*.
- Thiel, T. (1999). *Microbes in Action: Introduction to Bacteria*. Online.
- Treviño AL, Gerardo GS, R. R. dan, & NA, C. (2012). *Microbial Enzymes Involved in Polyurethane Biodegradation: A Review*. 20.
- Undang-Undang Republik Indonesia Nomor 32 Tahun, & 2009. (2009). *Perlindungan dan Pengelolaan Lingkungan Hidup*. 2(5), 255.
- Van Emmerik, T., Loozen, M., Van Oeveren, K., Buschman, F., & Prinsen, G. (2019). Riverine plastic emission from Jakarta into the ocean. *Environmental Research Letters*, 14(8). <https://doi.org/10.1088/1748-9326/ab30e8>
- Vidal-Verdú, À., Latorre-Pérez, A., Molina-Menor, E., Baixeras, J., Peretó, J., & Porcar, M. (2022). Living in a bottle: Bacteria from sediment-associated Mediterranean waste and potential growth on polyethylene terephthalate. *MicrobiologyOpen*, 11(1), 1–23. <https://doi.org/10.1002/mbo3.1259>
- Webb. (2013). *Properties of plastic polymer*.
- Welch, P. . (n.d.). *Limnology* (2nd ed.). McGraw-Hill Book Co.
- Yoon et al. (2012). *Research Article Open Access Biodegradation of Polyethylene by a Soil Bacterium and AlkB Cloned Recombinant Cell*.