

DAFTAR PUSTAKA

- Ahmed, T., Muhammad S., Farrukh A., Ijaz R., & Asad A. S., Muhammad N., Amir H., Natasha M., Irfan M., and Sher M., 2018. Biodegradation of plastics: current scenario and future prospects for environmental safety. *Springer-Verlag*. Germany.
- Alshehrei, F., 2017. Biodegradation of Synthetic and Natural Plastic by Microorganisms. *Journal of Applied & Environmental Microbiology*. Vol. 5, No. 1: 8-19.
- Arfarita, N., N. Hidayati, A. Rosyidah, M. Machfudz, and T. Higuchi. 2016. Exploration of indigenous soil bacteria producing-exopolysaccharides for stabilizing of aggregates land potential as biofertilizer. *Journal of Degraded and Mining Lands Management*. Vol. 4, No. 1: 697-702.
- Aslanzadeh, J. (2006). Biochemical Profilw-Based Microbial Identification System. In: *Advanced techniques in Diagnostic Microbiology*. Springer, Boston.
- Asmita, K., Tanwar S., and Shanbhag T., 2015. Isolation of Plastic Degrading Micro-organisms from Soil Samples Collected at Various Locations in Mumbai, India. *Int. Res. J. Environment Sci*. Vol. 4, No. 3: 77-85.
- Barenfanger, J. 2020. Interpretation of Gram Stains for the Nonmicrobiologist. *Laboratory medicine*. Vol 32(7).
- Barry, Cragg, and John C. F.. 1984. The Use of Microcosms to Stimulate Field Experiment to Determine the Effect of Herbicides on Aquatic Bacteria. *Journal of general microbiology*. No. 130: 2309-2316.
- Begum, k, Sultana J. M., Refaya Rezwan. Md. Mahinur R., and Alam Nur- E-Kamal. 2017. Isolation and Characterization of Bacteria with Biochemical and Pharmacological Importance from Soil Samples of. *Dhaka Univ. J. Pharm. Sci*. Vol 16(1):129-136.
- Botre, Jadhav P., Saraf L., Rau K. and Wagle A., 2015. Screening and Isolation of Polyethylene degrading Bacteria from various sources. *International Research Journal of Environment Sciences*. Vol. 4, No. 11: 58-61.
- Delfiner, M. S., Luis R. Martinez, Charles S. Pavia. 2016. A Gram Stain Hands-On Workshop Enhances First Year Medical Students' Technique Competency in Comprehension and Memorization. *PLoS ONE*. Vol. 11, No. 10: e0163658. doi:10.1371/journal.pone.0163658

- Divyalakshmi, and Subhashini A., 2016. Screening and Isolation of Polyethylene Degrading Bacteria from Various Soil Environments. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*. Vol. 10, Issue 12.
- Earth Day, 2018. Plastic Pollution Primer and Action Toolkit Reduce.
- Ekawati, S., (2016). Mengkritisi Kebijakan Penanganan Kantong Plastik di Indonesia. *Policy Brief Pusat Penelitian dan Pengembangan Sosial, Ekonomi, Kebijakan dan Perubahan Iklim, Badan Penelitian, Pengembangan dan Inovasi Kementerian Lingkungan Hidup dan Kehutanan*, Vol. 16, No. 6.
- Elpawati, 2015. Uji Coba Produksi Mikroorganisme Pengdegradasi (Penghancur) Sampah Plastik. *Jurnal Agribisnis*, Vol. 9, No. 1: 11-22.
- Eskander and H. M. Saleh. 2017. Biodegradation: Process Mechanism. *Environ. Sci. Engg.* Vol. 8.
- Fesseha, H. and Fasil A. 2019. Degradation of Plastic Materials Using Microorganisms: A Review. *Public Health Open J.* Vol 4, No. 2: 57-63.
- Ghatge, S., Youri Y., Jae-Hyung Ahn, and Hor-Gil Hur. 2020. Biodegradation of polyethylene: a Brief Review. *The Korean Society for Applied Biological Chemistry*.
- Godfrey, L. 2019. *Waste Plastic, the Challenge Facing Developing Countries, Ban It, Change It, Collect It?*. Licensee MDPI, Switzerland.
- Goodship, V., 2007. Plastic recycling. *Science Progress*. Vol. 90, No. 4, 245-268.
- Grenni P., Francesca Falconi, and Anna Barra Caracciolo. 2012. Microcosm Experiments for Evaluating Natural Bioremediation of Contaminated Ecosystems. *CHEMICAL ENGINEERING TRANSACTIONS*. Vol. 28.
- Gupta, K. K., Deepa D. 2019. Biodegradation of Low Density Polyethylene by Selected *Bacillus* sp. *GU J Sci*, Vol 32, No. 3, 802-813.
- Jambeck, J. R., Roland G., Chris W., Theodore R., Siegler, Miriam P., Anthony A., Ramani N., Kara L., 2015. Plastic waste inputs from land into the ocean. *Science*. Vol. 347, Issue 6223.
- Jumaah, O., S. 2017. Screening Of Plastic Degrading Bacteria From Dumped Soil Area. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)*. Vol. 11, Issue 5 Ver. II: 93-98.

- Kavita, K. & Mishra, Avinash & Jha, Bhavanath. 2013. Extracellular polymeric substances from two biofilm forming *Vibrio* species: Characterization and applications. *Carbohydrate Polymers*. 94. 882–888.
- Klein, R., 2011. *Laser Welding of Plastics, First Edition*. Wiley-VCH Verlag GmbH & Co. KgaA.
- Kurnia, Y., 2019. *Media Keuangan : Bumi dalam Kantong Plastik*. Sekretariat Jenderal Kementerian Keuangan Republik Indonesia. Jakarta.
- Mansur, D., A.Haryono., 2014. Sintesis Dan Karakterisasi Sodium-Polistiren Sulfonat Dan Identifikasi Penempelan Gugus Sulfonat dengan Metode *FT-IR* dan *NMR*. *Jurnal Sains Materi Indonesia*. Vol. 16, No. 1: 36-42.
- McArthur. 2016. *The New Plastics Economy Rethinking the future of plastics*. World Economic Forum. Switzerland.
- Mikoleit, 2015. Who global fooborne infection network.
- Molgroup, 2017. Catalogue Pruduct: Low Density Polyethylene. MOL Petrochemicals Co. Ltd.
- Montazer, Z., Mohammad B., and David B. Levin.. 2019. Microbial Degradation of Low-Density Polyethylene and Synthesis of Polyhydroxyalkanoate Polymers. *Can. J. Microbiol.* Vol. 65.
- Montazer, Z., Mohammad B. Habibi N., and DAcid B. Levin. 2020. Review: Challenges with Verifying Microbial Degradation of Polyethylene. *MDPI: Polymers*.
- Ni'mah, Y. L., Lukman A., and Hendro J. 2009. Sintesis dan Karakterisasi Film Plastik HDPE Pengemas Herbisida Menggunakan Filler Abu Layang Kelas F. *Indo. J. Chem.*, Vol. 9, No. 3: 348-354.
- Ogah, A. O. and Afiukwa J. N., 2012. The Effects Of Linear Low-Density Polyethylene (Lldpe) On The Mechanical Properties Of High-Density Polyethylene (Hdpe) Film Blends. *I.J.E.M.S.*, Vol.3, No. 2: 85-90.
- Prajapati V., Karen, Pankaj H. Prajapati, Dhruvo Jyoti Sen, and C. N. Patel. 2018. Chemistry and Histochemistry of Gram Taining of Dyes on Bacterial Peptidoglycan. *World Journal of Pharmaceutical Research*. Vol. 7. Issue 16: 490-535.
- Public Health England. 2019. UK Standards for Microbiology Investigations. No. 4:2-14.
- Rahmawati, A. 2015. Pengaruh Penggunaan Plastik *Polyethylene (PE)* Dan *High Density Polyethylene (HDPE)* pada Campuran Lataston-Wc Terhadap

- Karakteristik Marshall. *JURNAL ILMIAH SEMESTA TEKNIKA*. Vol. 18, No.2: 147-159.
- Ren, L., Lina Men, Zhiwei Zhang, Feifei Guan, Jian Tian, Bin Wang, and Yuhong Zhang. 2019. Biodegradation of Polyethylene by *Enterobacter* sp. D1 from the Guts of Wax Moth *Galleria mellonella*. *International Journal of Environmental Research and Public Health*.
- Riandi, M. I., Retno K., Sang K. S., 2017. Potensi Bakteri *Pseudomonas* Sp. Dan *Ochrobactrum* Sp. Yang Di Isolasi Dari Berbagai Sampel Tanah dalam Mendegradasi Limbah Polimer Plastik Berbahan Dasar High Density Polyethylene. *Jurnal Simbiosis*. Vol. 5, No. 2: 58-63.
- Rochman, C.M, Akbar T., Susan L., Williams, Dolores V., Baxa, Rosalyn L., Jeffrey T., Miller, Foo-Ching T., Shinta W., and Swee J., 2015. Anthropogenic debris in seafood: Plastic debris and fibers from textiles in fish and bivalves sold for human consumption. *Sci. Rep.* Vol. 5, No. 14340.
- Safitri, P. A., Winda S. P., Mochamad Z., 2018. *Pengelolaan Sampah di Indonesia*. Badan Pusat Statistik BPS-Statistics Indonesia. Jakarta.
- Shah, A. A., Fariha H., Abdul H., Safia A., 2008. Biological Degradation Of Plastics: a Comprehensive Review. *Biotechnology Advances*. 246–265.
- Shovitri, M., dan Dewi N.A. 2014. Bakteri Tanah Pendegradasi Plastik dalam Kolom *Winogradsky*. *JURNAL SAINS DAN SENI POMITS*. Vol. 3, No. 2: 2337-3520.
- Singh, G., Ashok K., and Kalpana Bhatt. 2016. Biodegradation of Polythenes by Bacteria Isolated from Soil. *International Journal of Research and Development in Pharmacy and Life Sciences*. Vol. 5, No.2: 2056-2062.
- Smith, M., David C., Love, Chelsea M. R., and Roni A.N., 2018. Microplastics in Seafood and the Implications for Human Health. *Current Environmental Health Reports*.
- Sousa, A. M., Idalina M., Ana N., and Maria O. P. 2013. Improvements on Colony Morphology Identification Towards Bacterial Profiling. *Journal of Microbiological Methods*. 95: 237-335.
- South Baltic Bridge. 2019. *5R Green Thecnolympics*. Klaipeda University. Lathenia.
- Sriningsih, A., dan Maya S., 2015. Potensi Isolat Bakteri *Pseudomonas* sebagai Pendegradasi Plastik. *JURNAL SAINS DAN SENI ITS*. Vol. 4, No. 2: 2337-3520.
- Sulaiman, F. 2016. *Mengenal Industri Petrokimia*. Untirta Press. Serang.

- Surono, U. B., dan Ismanto, 2016 Pengolahan Sampah Plastik Jenis PP, PET dan PE Menjadi Bahan Bakar Minyak dan Karakteristiknya. *J. Mek. Sist. Termal*. Vol. 1, No. 1: 32-37.
- Tosin, M., Alessandro P., dan Francesco D.i., 2019. Biodegradation Kinetics in Soil of A Multi-Constituent Biodegradable Plastic. *Elseiver Ltd*. No. 166: 213-218.
- Zhang, X., Yajuan Wang, Jun Guo, Yi YU, Jia Li, Yinghua Guo and Changting Liu. 2015. Comparing Two Functions for Optical Density and Cell Numbers in Bacterial Exponential Growth Phase. *JOURNAL OF PURE AND APPLIED MICROBIOLOGY*. Vol. 9, No.1: 299-305.