

## DAFTAR PUSTAKA

- Abbasi, M., M.M. Salaridad, dan I. Ghasemi. 2010. Selective separation of PVC from PET/PVC mixture using floatation by tannic acid depressant. *Iranian Polymer Journal* 19 (7): 483-489.
- Aryal, S. 2018. Nutrient Agar: Composition, Preparation and Uses. <https://microbiologyinfo.com/nutrient-agar-composition-preparation-and-uses/>. Diakses 13 November 2020.
- Amrullah, M., N. H. Nawir, A. Abdullah, dan E. Tambaru. 2013. Isolasi jamur mikroskopik pendegradasi lignin dari beberapa substrat alami. *Jurnal Alam dan Lingkungan*, 4: 19-25.
- Austin, H. P., M.D. Allen, B.S. Donohoe, N.A. Rorrer, F.L. Kearns, R.L. Silveira, B.C. Pollard, G. Dominick, R. Duman, K. El Omari, V. Mykhaylyk, A. Wagner, W.E. Michener, A. Amore, M.S. Skaf, M.F. Crowley, A.W. Thorne, C.W. Johnson, H.L. Woodcock, J.E. McGeehan, dan G.T. Beckham. 2018. Characterization and engineering of a plastic-degrading aromatic polyestrase. *Proceedings of the National Academy of Sciences* 115 (19): 4350-4357.
- Avérous, L. 2004. Biodegradable multiphase systems based on plasticized starch: a review. *Journal of Macromolecular Science* 4: 231-274.
- Ban, W., J. Song, D.S. Argyopoulos, dan L.A. Lucia. 2006. Influence of Natural Biomaterials on the Elastic Properties of Starch-Derived Films: An Optimization Study. *Journal of Applied Polymer Science* 15 : 30-38.
- Bensalah, N., K. Chair, dan A. Bedoui. 2018. Efficient degradation of tannic acid in water by UV/H<sub>2</sub>O<sub>2</sub> process. *Sustainable Environment Research* 28 (1): 1-11.
- Cornella, M. 2013. Model Kantong Plastik Belanja Ramah Lingkungan di Indonesia (Studi Kasus: Kantong Plastik *Biodegradable*). Disertasi.
- Deconinck, S., dan B. De Wilde. 2013. Benefits and Challenges of Bio-and Oxy-Degradable plastics. *Plastics Europe, Belgium*.
- Feldman, D. 2002. Polymer Weathering: Photo-Oxidation. *Journal of Polymers and the Environment* 10 (4): 163-173.
- Gajendiran, A., S. Krishnamoorthy, dan J. Abraham. 2016. Microbial degradation of low-density polyethylene (LDPE) by *Aspergillus clavatus* strain JASK1 isolated from landfill soil. *Biotech*, 6: 52
- Gaudreault, R., T.G.M. van de Ven, dan M.A. Whitehead. 2005. Mechanisms of flocculation with poly(ethylene oxide) and novel cofactors. *Colloids and Surfaces A: Physicochem* 268: 131-146.

- Greene, J. 2012. Report Topic PLA and PHA Biodegradation in the Marine Environment. California Department of Resources Recycling and Recovery, California.
- Grima, S., M.V. Bellon, P. Feuilloley, dan F. Silvestre. 2002. Aerobic biodegradation of polymers in solid-state conditions: a review of environmental and physicochemical parameter settings in laboratory simulation. *Journal of Polymers and Environment* 8: 183-195.
- Hahladakis, J.N., C.A. Velis, R. Weber, E. Lacovidou, dan P. Purnell. 2018. An overview of chemical additives present in plastics: Migration, release, fate and environmental impact during their use, disposal and recycling. *Journal of Hazardous Materials* 344: 179–199
- Halder, D., M. Mandal, S.S. Chatterje, N.K. Pal, dan S. Mandal. 2017. Indigenous Probiotic Lactobacillus Isolates Presenting Antibiotic like Activity against Human Pathogenic Bacteria. *Journal Biomedicines*, 5 (31): 1-11.
- Hesseltine, C.W. 1992. Applications of Biotechnology to Fermented Foods: Report of an Ad Hoc Panel of the Board on Science and Technology for International Development. National Academies Press, USA.
- Hii, S.L., S.T. Joo, C.L. Tau, and B.A. Arbakariya. 2012. Pullulanase: Role in Starch Hydrolysis and Potential Industrial Applications. *Enzyme Research*: 1-14.
- Kaneko, T., T. Ohno, dan N. Ohisa. 2005. Purification and characterization of a thermostable raw starch digesting amylase from a *Streptomyces sp.* isolated in a milling factory. *Bioscience, Biotechnology, and Biochemistry* 69 (6): 1073–1081.
- Krueger, M.C., H. Harms, dan D. Schlosser. 2015. Prospects for microbiological solutions to environmental pollution with plastics. *Applied Microbiology and Biotechnology* 99 (21): 8857-8874.
- Kržan, A. 2012. Biodegradable polymers and plastics. Innovative Value Chain Development for Sustainable Plastics in Central Europe. *Plastice* 1-8.
- Li, W.W., X.D. Li, dan K.M. Zeng. 2009. Aerobic biodegradation kinetics of tannic acid in activated sludge system. *Biochemical Engineering Journal* 43: 142-148.
- Moslamy, S.H. 2019. Application of fed-batch fermentation modes for industrial bioprocess development of microbial behavior. *Annals of Biotechnology and Bioengineering* 1 (1): 1-11.
- Murtiningrum, E.F.B., P. Istalaksana, dan A. Jading. 2012. Karakterisasi Ubi dan Pati Lima Kultur Ubi Kayu (*Manihot Esculents*). *Jurnal agroteknologi* 3 (1): 1-3.
- Novita, I., R. Kumalasari, R. Ekafitri, dan D.A. Darmajana. 2013. Pengaruh Penggunaan Pati ganyong, Tapioka, dan Mocaf sebagai Bahan Substitusi terhadap Sifat Fisik Mie Jagung. *Jurnal Agritech*, Vol. 33, No. 4, hal. 392.

- Obasi, H.C., I.O. Igwe, and I.C. Madufor. 2013. Effect of soil burial on tensile properties of polypropylene/plasticized cassava starch blends. *Advances in Materials Science and Engineering* 13: 1-5.
- Ogbonna, A.I., F.C. Onwuliri, dan C.I.C. Ogbonna. 2015. Growth response and amyolytic activity of two aspergillus species isolated from artemisia annua l. Plantation soils. *Journal of Academia and Industrial Research*, 3: 456-462.
- Pan, H., S. Li, M. Shu, Y. Ye, Q. Cui, dan Z. Zhao. 2018. p-Xylene catalytic oxidation to terephthalic acid by ozone. *ScienceAsia* 44: 212-217.
- Pepi, M., L.M. Lampariello, R. Altieri, A. Esposito, G. Perra, M. Renzi, A. Lobianco, A. Feola, S. Gasperini, dan S.E. Focardi. 2010. Tannic acid degradation by bacterial strains *Serratia* spp. and *Pantoea* sp. isolated from olive mill waste mixtures. *International Biodeterioration and Biodegradation*, 64 (1): 73-80.
- Putt, E.B., dan H.A. Seil. 2006. Government Standards for Spices. *The Journal of the American Pharmaceutical Association*, 12 (12): 1091-1094.
- Ranjbariyan, A. R., M. S. Ghahfarokhi, S. Kalantari, dan M. R. Abyaneh. 2011. Molecular identification of antagonistic bacteria from Tehran soils and evaluation of their inhibitory activities toward pathogenic fungi. *Iranian Journal of Microbiology* 3 (3): 140–146.
- Reddy, N.R., H.M. Solomon., R.C. Tetzloff., dan E.J. Rhodehamel. 2003. Inactivation of *Clostridium botulinum* type a spores by high-pressure processing at elevated temperatures. *Journal of Food Protection* 66: 1402-1407.
- Samanta, A., D. Mitra., S.N. Roy., and P.Pal. 2013. Characterization and optimization of amylase producing bacteria isolated from solid waste. *Journal of Environmental Protection* 4: 647-652.
- Sembiring, E. dan Y. Novitasari. 2015. Degradation of degradable plastics on several solid and liquid media. *The Third Joint Seminar of Japan and Indonesia Environmental Sustainability and Disaster Prevention*: 93-106.
- Shah, A.A., F. Hasan, A. Hameed, dan S. Ahmed. 2008. Biological degradation of plastics: A comprehensive review. *Biotechnology Advances*, 26:246–265.
- Sihaloho, E.B. 2011. Evaluasi Biodegradabilitas Plastik Berbahan Dasar Campuran Pati dan Polietilen Menggunakan Metode Enzimatik, Konsorsia Mikrobia, dan Pengomposan. Skripsi.
- Singh, Y.P., P. Dhall, R.M. Mathur, R.K. Jain, V.V. Thakur, V. Kumar, R. Kumar, dan A. Kumar. 2011. Bioremediation of Pulp and Paper Mill Effluent by Tannic Acid Degrading *Enterobacter* sp. *Water, Air, and Soil Pollution*, 218: 693-701.
- Siregar, H. Z. 2019. Isolasi dan Seleksi Bakteri Amilolitik dan Lignolitik Pendegradasi Bioplastik Berbasis Amilum dari Beberapa Sampel Tanah. Skripsi.

- Sowmya, H.V., Ramalingappa., M. Krishnappa., dan B. Thippeswamy. 2014. Biodegradation of polyethylene by *Bacillus cereus*. *Advances in Polymer Science and Technology* 4: 28-32.
- Subramaniyam, R. dan R. Vimala. 2012. Solid state and submerged fermentation for the production of bioactive substances: a comparative study. *Intl. J. of Science and Nature*, 3 (3): 480-486
- Usha, R., T. Sangeetha dan M. Palaniswamy. 2011. Screening of Polyethylene Degrading Mikroorganisme From Garbage Soil. *Libyan Agriculture Research Center Journal International*,2: 200-204.
- Vigneshwari, R., Lalitha, C., Sudarshan, S.R., dan Jayapradha, R. 2017. Co-Culture: A Promising Method In Enzyme Production. *International Journal of ChemTech Research* 10: 720-726.
- Wang, C.Q., H. Wang, dan Y.N. Liu. 2014. Separation of polyethylene terephthalate from municipal waste plastics by froth flotation for recycling industry. *Journal of Waste Management* 35: 42-47.
- Webb, H.K., J. Arnott, R.J. Crawford dan E.P. Ivanova. 2013. Plastic degradation and its environmental implications with special reference to poly(ethylene terephthalate). *Polymers*, 5: 1-18.
- Whittaker, J.R. 1994. *Principles of Enzimology for the Food Science*. Marcel Dekker, New York.
- Wirabhuana, E.S. 2018. Dekolorisasi Methylene Blue dalam Limbah Cair Industri Tekstil dan Batik oleh Biofilm Konsorsium Bakteri. Skripsi.