

DAFTAR PUSTAKA

- Alhidayatullah, Lisdar, I. Sudirman, & O. S. Dharmaputra. Kemampuan jamur pelapuk kayu isolat jpa dan *Trichoderma* sp. S2-2 dalam mendegradasi tandan kosong kelapa sawit untuk menghasilkan selulosa. Menara Perkebunan 82: 51-56.
- Ali A. Juwaied, S. Adnan, & A. H. Al-Amiery. 2010. Production cellulase by different co-culture of *Aspergillus niger* and *Tricoderma viride* from waste paper. Journal of Yeast and Fungal Research 1:108-111.
- Amrullah, M., N. H. Nawir, A. Abdullah, & E. Tambaru. 2013. Isolasi jamur mikroskopik pendegradasi lignin dari beberapa substrat alami. Jurnal Alam dan Lingkungan 4:19-25.
- Bastioli, C. 1996. An interview given to Cristina van Proschek by Catia Bastioli, General Manager of Novamont SpA. Agro-Food-Industry Hi-Tech 5-6.
- Bastioli, C. 2000. Global status of production of biobased packaging materials. Conference Proceeding. The Food Biopack Conference: Denmark.
- Chen, Ying Jian. 2014. Bioplastics and Their Role in Achieving Global Sustainability. Journal of Chemical and Pharmaceutical Research 6: 226-231.
- Chi, Y., A. Hatakk, & P. Maijala. 2006. Can coculturing of two-white rot fungi increase lignin degradation and the production of lignin -degrading enzymes. Elsevier 32- 39.
- Damager, I., S. B. Engelsens, A. Blennow, B. L. Moller, & M. S. Motawia. 2010. First principles insight into the a-glucan structures of starch: their synthesis, conformation, and hydration. Chemical Reviews 110:2049-2080.
- Gajendiran, A., S. Krishnamoorthy, & J. Abraham. 2015. Microbial degradation of low-density polyethylene (LDPE) by *Aspergillus clavatus* strain JASK1 isolated from landfill soil. Biotech 6:52.
- Green, J. 2012. Report Topic PLA and PHA Biodegradation in the Marine Environment. California Department of Resources Recycling and Recovery. California.
- Haq, I., Muhammad, M. J., Tehmina, S. K. & Zafar, S. 2005. Cotton saccharifying activity of cellulases produced by co-culture of *aspergillus niger* and *trichoderma viride*. Research Journal of Agriculture and Biological Sciences, 1: 241-245.
- Hasnan, M.S. 2014. Imobilisasi biomassa dan crude enzyme jamur untuk dekolonisasi pewarna limbah industri tekstil. Universitas Gadjah Mada, Yogyakarta.

- Jambeck, J. R., R. Geyer, C. Wilcox, T. R. Siegler, M. Perryman, A. Andrady, R. Narayan, & K. L. Law. 2015. Plastic waste inputs from land into ocean. *Science*, 347:768-771.
- Kim, D.Y., & Rhee, Y.H. 2003. Biodegradation of microbial and synthetic polyesters by fungi. *Applied Microbiology and Biotechnology*, 61:300-308.
- Kim, M. N., Wan, G. K., Hang, .Y. W., & Sun, H. L. 2008. Poly(l-lactide)-degrading activity of a newly isolated bacterium. *Journal of applied polymer science*, 109:234-239.
- Latief, R. 2001. Teknologi Kemasan Biodegradable, Makalah Falsafah Sains (PPs 702)
Program Pascasarjana/S3IPB, Bandung, http://www.hayatiipb.com/user/rudyct/indiv2001/rin_dam_latif.html Diakses 12 November 2019.
- Lusiana, H., M. I. Rukmi & B. Rahardjo. 2014. Eksplorasi Jamur Alkalotoleran Dari Desa Sukolilo Barat, Kecamatan Labang, Kabupaten Bangkalan, Madura, Jawa Timur. *Bioma* 16: 10-17.
- Mata, T. M., A. A. Martins & N. S. Caetano. 2010. Microalgae for Biodiesel Production and Other Applications: A Review. *Renewable Sustainable Energy Review* 14: 217-232.
- Mubarik, N.R., Damayanti, E., & Listyowati, S. 2003. Isolasi dan karakterisasi. Amilase dari kapang alkalotoleran asal limbah cair tapioca. *Biota* 1:1-8.
- Murtingrum, dkk. 2012. *Karakterisasi Umbi dan Amilum Lima Kultur Ubi Kayu (Manihot Esculents)*. *Jurnal agroteknologi* 3:1-3.
- Nakamura, K., Tomita, T., Abe, N. & Kamio, Y. 2001. Purification and characterization of an extracellular poly(l-lactic acid) depolymerase from a soil isolate, *Amycolatopsis* sp. Strain K104-1. *Applied Environmental Microbiology*, 67:345- 353.
- Novita, *et al.* 2013. Pengaruh Penggunaan Amilum ganyong, Tapioka, dan Mocaf sebagai Bahan Substitusi terhadap Sifat Fisik Mie Jagung. *Jurnal Agritech*, 33: 392.
- Ogbonna, A. I., F. C. Onwuliri, & C. I. C. Ogbonna. 2015. Growth response and amylolytic activity of two aspergillus species isolated from artemisia annua l. Plantation soils. *Journal of Academia and Industrial Research*, 3: 456-462.
- Oishi, A., M. Zhang, K. Nakayama, T. Masuda & Y. Taguchi. 2006. Synthesis of Poly(butylene succinate) and Poly(ethylene succinate) Including Diglycollate Moiety. *Polym. J.* 38: 710-715.

- Parker, L. 2017. A whopping 91% of plastic isn't recycled. <<https://news.nationalgeographic.com/2017/07/plastic-produced-recycling-waste-ocean-trash-debris-environment/>>. Diakses 5 April 2019.
- Plastics Europe. Plastics - The Facts. 2012. Available online :<http://www.plasticseurope.org/Document/plastics-the-facts-2012.aspx?FolID=2>. Diakses pada 16 November 2018.
- Priya, A., Ajoy K. Mandal, A. S. B., Mike, M., Banwari, L., & Priyangshu, M. S. 2015. Mass culture strategy for bacterial yeast co-culture for degradation of petroleum hydrocarbons in marine environment.
- Purba, Suryati. 2018. Isolasi dan identifikasi jamur pendegradasi bioplastik berbasis amilum . Universitas Gadjah Mada, Yogyakarta.
- Safitri, Dian & Samingan. 2013. Isolasi dan identifikasi fungi amilolitik pada bonggol pisang kepok (*musa paradisiaca* l.). Jurnal Ilmiah Pendidikan Biologi, 5: 29-35.
- Shah, A.A., F. Hasan, A. Hameed, & S. Ahmed. 2008. Biological degradation of plas- tics: A comprehensive review. Biotechnology Advances, 26:246–265.
- Solehah, F. 2010. Isolasi, seleksi, dan karakterisasi jamur pendekolorisasi Methylen Blue. Universitas Gadjah Mada, Yogyakarta.
- Sujeeta, K.M., S. Mehta & K. Sihag. 2017. Isolation and screening of amylase producing fungi. Int.J.Curr.Microbiol.App.Science, 6: 783-788.
- Suyama, T., Tokiwa, Y., Ouichanpagdee, P., Kanagawa, T. & Kamagata, Y. 1998. Phylogenetic affiliation of soil bacteria that degrade aliphatic polyesters available commercially as biodegradable plastic. Applied and Microbiology, 64:5008-5011.
- Teeraphatpornchai, T., Nakajima-Kambe, T., Shigeno-Akutsu, Y., Nakayama, M., Nomura, N., Nakahara, T., & Uchiyama, H. 2003. Isolation and characterization of a bacterium that degrades various polyester-based biodegradable plastics. *Biotechnology Letters* 25:23-28.
- Tokiwa, Y., & T. Suzuki. 1976. Hydrolysis of polyesters by lipases. *Nature* 270: 76-78.
- Tokiwa, Yutaka, Buenaventurada P. Calabia, Charles U. Ugwu & Seiichi Aiba. 2009. *Review: Biodegradability of plastics*. Int. J. Mol. Science, 10:3722-3742.
- Usha, R., T. Sangeetha & M. Palaniswamy. 2011. Screening of Polyethylene Degrading Mikroorganisme From Garbage Soil. *Libyan Agriculture*

Research Center Journal International, 2: 200-204.

Verma, Poonam & R. K. Verma. 2018. Qualitative estimation of amylase enzyme activity of fungal species isolated from iron ore mined overburden soil. *Tropical Plant Research.*, 5: 396–404.

Vigneshwari, R., Lalitha, C., Sudarshan, S. R., & Jayapradha, R. 2017. Co-Culture: A Promising Method In Enzyme Production. *International Journal of ChemTech Research* 10: 720-726.

Webb, H. K., J. Arnott, R. J. Crawford & E. P. Ivanova. 2013. Plastic degradation and its environmental implications with special reference to poly(ethylene terephthalate). *Polymers*, 5: 1-18.

Yuswinanto, A. 2011. Dasar-dasar blending. <http://www.indopolimer.com/artikel/dasar-dasar-blending/>. Diakses pada tanggal 19 April 2019.

Zusfahair, P. Lestari, D. R. Ningsih, & S. Widyaningsih. 2007. Biodegradasi polietilena menggunakan bakteri dari TPA (Tempat pembuangan Akhir) Gunung Tugel Kabupaten Bayumas. *Jurnal Molekul*, 2: 98-106.