

Daftar Pustaka

- Aji, Isuwa Suleiman., Abdan, Khalina., Zainudin, E.S., Sapuan, S.M (2011) “Studying the effect of fiber size and fiber loading on the mechanical properties of hybridized kenaf/PALF-reinforced HDPE composite,” (April). doi: 10.1177/0731684411399141.
- Akovali, G. (2001) “Handbook of Composite Fabrication,” hal. 3–181.
- Arib, R.M.N., Sapuan, S.M., Ahmad, M.M.H.M., Paridah, M.T., Zaman, H.M.D. Khairul (2006) “Mechanical properties of pineapple leaf fibre reinforced polypropylene composites,” *Materials & Design*. Elsevier, 27(5), hal. 391–396. doi: 10.1016/J.MATDES.2004.11.009.
- Asim, M., Abdan, Khalina., Jawaid, M., Nasir, M., Dashtizadeh, Zahra., Ishak, M R., Hoque, M Enamul. (2015) “A Review on Pineapple Leaves Fibre and Its Composites,” *International Journal of Polymer Science*. Hindawi, 2015, hal. 1–16. doi: 10.1155/2015/950567.
- Bajpai, P. (1999) “Application of Enzymes in the Pulp and Paper Industry,” *Biotechnology Progress*. American Chemical Society (ACS), 15(2), hal. 147–157. doi: 10.1021/bp990013k.
- BARAL, P., JAIN, R. K. dan DIXIT, A. K. (2017) “Biobleaching of banana fibre pulp with incorporation of xylanase enzyme from *Aspergillus oryzae*,” *Asian Journal of Environmental Science*, 12(1), hal. 48–52. doi: 10.15740/has/ajes/12.1/48-52.
- Bastawde, K. B. (1992) “Xylan structure,microbial xylanases, and their mode of action,” 8, hal. 353–368.
- Beg, Q.K., Kapoor, M., Mahajan, L., Hoondal, G.S. (2001) “Microbial xylanases and their industrial applications: a review,” *Applied Microbiology and Biotechnology*. Springer-Verlag, 56(3–4), hal. 326–338. doi: 10.1007/s002530100704.
- Begum K dan Islam M.A (2013) “Natural Fiber as a substitute to Synthetic Fiber in Polymer Composites ;,” (August).

- Bhatia, Mayuri., Girdhar, Amandeep., Tiwari, Archana., Nayarisseri, Anuraj. (2014) "Implications of a novel Pseudomonas species on low density polyethylene biodegradation: an in vitro to in silico approach," 3(1), hal. 1–10. doi: 10.1186/2193-1801-3-497.
- Boruvka, M., Behalek, L. dan Ngaowthong, C. (2016) "Effect of Dielectric Barrier Discharge Plasma Surface Treatment on the Effect of dielectric barrier discharge plasma surface treatment on the properties of pineapple leaf fiber reinforced poly (lactic acid) biocomposites," (August). doi: 10.4028/www.scientific.net/MSF.862.156.
- Bruins, M. E., Janssen, A. E. M. dan Boom, R. M. (2001) "Thermozymes and Their Applications: A Review of Recent Literature and Patents," *Applied Biochemistry and Biotechnology*. Humana Press, 90(2), hal. 155–186. doi: 10.1385/ABAB:90:2:155.
- Bugg, T. (2004) *Introduction to Enzyme and Coenzyme Chemistry*. UK: Blackwell Publishing.
- Callister, Wi. dan Rethwisch, D. G. (2010) "Material Science and Engineering an Introduction."
- Chen, Yan., Sun, Liangfeng., Chiparus, Ovidiu., Negulescu, Ioan., Yachmenev, Val., Warnock, Mary. (2005) "Kenaf/ramie composite for automotive headliner," *Journal of Polymers and the Environment*, 13(2), hal. 107–114. doi: 10.1007/s10924-005-2942-z.
- Chollakup, Rungsima., Tantatherdtam, Rattana., Ujjin, Suchada., Sriroth, Klanarong (2010) "Pineapple Leaf Fiber Reinforced Thermoplastic Composites : Effects of Fiber Length and Fiber Content on Their Characteristics." doi: 10.1002/app.
- Demczyk, B G., Wang, Y M., Cumings, J., Hetman, M., Han, W., Zettl, A (2002) "Direct mechanical measurement of the tensile strength and elastic modulus of multiwalled carbon nanotubes," 334, hal. 173–178.
- Dhiman, S. S., Sharma, J. dan Battan, B. (2008) "INDUSTRIAL APPLICATIONS AND FUTURE PROSPECTS OF MICROBIAL

XYLANASES: A REVIEW," *BioResources*, 3(4), hal. 1377–1402. doi: 10.15376/biores.3.4.1377-1402.

Ekoputra, F. A., Sulistijono, S. dan Ismail, I. (2018) "Effect a Chemical Treatment of Pineapple Leaf Fiber (PALF) for Mechanical Properties as a Reinforced Composite Matrix Polyesters," *IPTEK Journal of Proceedings Series*, 0(4), hal. 19. doi: 10.12962/j23546026.y2018i4.3840.

Eriningsih, R., Mutia, T. dan Judawisastra, H. (2011) "KOMPOSIT SUNVISOR TAHAN API DARI BAHAN BAKU SERAT NANAS." *Jurnal Riset Industri* Vol V, No 2, 2011, hal. 191–203.

Galobardes, Isaac., Cavalaro, Sergio H., Aguado, Antonio., Garcia, Tomàs. (2014) "Estimation of the modulus of elasticity for sprayed concrete," *Construction and Building Materials*. Elsevier Ltd, 53, hal. 48–58. doi: 10.1016/j.conbuildmat.2013.11.046.

George, J., Bhagawan, S. S. dan Thomas, S. (1998) "Effects of environment on the properties of low-density polyethylene composites reinforced with pineapple-leaf fibre," *Composites Science and Technology*. doi: 10.1016/S0266-3538(97)00161-9.

Hermiati, Euis., Mangunwidjaja, Djumali., Sunarti, Titi Candra., Suparno, Ono. (2010) "Pemanfaatan biomassa lignoselulosa ampas tebu untuk produksi bioetanol," 29(4), hal. 121–130.

Himma, N. F., Wardani, A. K. dan Wenten, I. G. (2017) "Preparation of Superhydrophobic Polypropylene Membrane Using Dip-Coating Method: The Effects of Solution and Process Parameters," *Polymer - Plastics Technology and Engineering*, 56(2), hal. 184–194. doi: 10.1080/03602559.2016.1185666.

Huda, Masud S., Drzal, Lawrence T., Mohanty, Amar K., Misra, Manjusri (2008) "Effect of chemical modifications of the pineapple leaf fiber surfaces on the interfacial and mechanical properties of laminated biocomposites," *Composite Interfaces*. Taylor & Francis Group , 15(2–3), hal. 169–191. doi: 10.1163/156855408783810920.

Inayah, M. N., Ambarsari, L. dan Meryandini, A. (2016) "Karakterisasi Xilanase

dari Bakteri Xilanolitik XJ20 asal Tanah Hutan Taman Nasional Bukit Duabelas Jambi Indonesia Characterization of Xylanase from Xylanolic Bacteria XJ20 Isolated from Forest Land Bukit Duabelas National Park Jambi Indonesia,” 2(1), hal. 25–30.

Jaramillo, N., Hoyos, D. dan Santa, J. F. (2016) “Composites with pineapple-leaf fibers manufactured by layered compression molding,” *Ingeniería y Competitividad*, 18(2), hal. 151–162. Tersedia pada: <http://search.ebscohost.com/login.aspx?direct=true&db=a9h&AN=116744595&lang=es&site=eds-live>.

Jawaid, M., Asim, M. dan Tahir, P. M. (2020) *Pineapple Leaf Fibers*. Diedit oleh N. Mohammed. Springer Nature Singapore.

Jordan, Jennifer L., Casem, Daniel T., Bradley, Jermaine M., Dwivedi, Ajmer K., Brown, Eric N., Jordan, Christopher W (2016) “Mechanical Properties of Low Density Polyethylene,” *Journal of Dynamic Behavior of Materials*. Springer International Publishing. doi: 10.1007/s40870-016-0076-0.

Kalayci, E., Yava, A. dan Avinc, O. (2017) “THE EFFECTS OF CELLULASE AND LACCASE ENZYME TREATMENTS ON PINEAPPLE FIBERS The Effects of Cellulase and Laccase Enzyme Treatments on Pineapple Fibers,” (May).

Kengkhetkit, N., Wongpreedee, T. dan Amornsakchai, T. (2018) “Pineapple Leaf Fiber: From Waste to High-Performance Green Reinforcement for Plastics and Rubbers,” in, hal. 271–291. doi: 10.1007/978-3-319-68696-7_6.

Kirk, O., Borchert, T. V. dan Fuglsang, C. C. (2002) “Industrial enzyme applications,” hal. 345–351. doi: 10.1016/S0958-1669(02)00328-2.

Li, H. I. (1998) *Synthesis, Characterization and Properties of Vinyl Ester Matrix Resins*. Virginia Polytechnic Institute and State University.

Li, X. dan Chen, X. (2007) *BIODEGRADATION OF POLYSACCHARIDE SOURCED FROM VIRULENCE FACTOR OR PLANT AND PATHOGENIC CELL WALL CONSTITUENT AND ITS APPLICATION IN MANAGEMENT OF PHYTOPATHOGENIC DISEASE*. Diedit oleh B. . Wang.

- Liu, Wanjun., Misra, Manjusri., Askeland, Per., Drzal, Lawrence T., Mohanty, Amar K. (2005) “‘Green’ composites from soy based plastic and pineapple leaf fiber: fabrication and properties evaluation,” 46, hal. 2710–2721. doi: 10.1016/j.polymer.2005.01.027.
- Lopattananon, N., Payae, Y. dan Seadan, M. (2008) “Influence of Fiber Modification on Interfacial Adhesion and Mechanical Properties of Pineapple Leaf Fiber-Epoxy Composites.” doi: 10.1002/app.
- Miah, M. J., Khan, M. A. dan Khan, R. A. (2011) “Fabrication and Characterization of Jute Fiber Reinforced Low Density Polyethylene Based Composites: Effects of Chemical TreatmentMiah, M. J., Khan, M. A. dan Khan, R. A. (2011) “Fabrication and Characterization of Jute Fiber Reinforced Low Density Polyet,” *Journal of Scientific Research*, 3(2), hal. 249–259. doi: 10.3329/jsr.v3i2.6763.
- Miller, G. . (1959) “Use of Dinitrosalicylic Acid Reagent for Determination of Reducing Sugar,” 31(3), hal. 426–428.
- Mohamed, A. R., Sapuan, S. M. dan Khalina, A. (2010) “SELECTED PROPERTIES OF HAND-LAID AND COMPRESSION MOLDED VINYL ESTER AND PINEAPPLE LEAF FIBER (PALF) -REINFORCED VINYL ESTER COMPOSITES,” 5(1), hal. 68–73.
- Munawar, Rose Farahiyah., Jamil, Nurul Hayati., Shahril, Mohd Khairul., Muhammad, Skh., Abdul, Skh., Zaimi, Muhammad., Abidin, Zainal., Azam, Mohd Asyadi., Lau, Kok-tee. (2015) “Development of Green Composite: Pineapple Leaf Fibers (PALF) Reinforced Polylactide (PLA),” *Applied Mechanics and Materials*. Trans Tech Publications Ltd, 761, hal. 520–525. doi: 10.4028/www.scientific.net/AMM.761.520.
- Ndlovu, S. S., Van Reenen, A. J. dan Luyt, A. S. (2013) “LDPE-wood composites utilizing degraded LDPE as compatibilizer,” *Composites Part A: Applied Science and Manufacturing*. Elsevier Ltd, 51, hal. 80–88. doi: 10.1016/j.compositesa.2013.04.005.

- Neto, Alfredo R Sena., Araujo, Marco A M., Barboza, Raiza M P., Fonseca,Alessandra S., Tonoli, Gustavo H D. Souza, Fernanda V D., Mattoso, Luiz H C., Marconcini, Jose M. (2015) "Comparative study of 12 pineapple leaf fiber varieties for use as mechanical reinforcement in polymer composites," *Industrial Crops & Products*. Elsevier B.V., 64, hal. 68–78. doi: 10.1016/j.indcrop.2014.10.042.
- Ningrum, L. Y. (2017) "Potensi Serat Daun Nanas Sebagai Alternatif Bahan Komposit Pengganti Fiberglass Pada Pembuatan Lambung Kapal," hal. 66. Tersedia pada: <http://repository.its.ac.id/45868/>.
- Ortega, Zaida., Morón, Moisés., Monzón, Mario D., Badalló, Pere., Paz, Rubén (2016) "Production of banana fiber yarns for technical textile reinforced composites," *Materials*, 9(5), hal. 1–16. doi: 10.3390/ma9050370.
- Payae, Y. dan Lopattananon, N. (2009) "Adhesion of pineapple-leaf fiber to epoxy matrix : The role of surface treatments," 31(2), hal. 189–194.
- Putra, Dwiki Pratama., Wicaksono, Sigit Tri., Rasyida, Amaliya., Bayuaji, Ridho (2018) "Studi Pengaruh Penambahan Binder Thermoplastic LDPE dan PET Terhadap Sifat Mekanik Komposit Partikulat untuk Aplikasi Material Bangunan," *Jurnal Teknik ITS*, 7(1). doi: 10.12962/j23373539.v7i1.28337.
- R. Pramila dan Ramesh, K. V. (2011) "Biodegradation of low density polyethylene (LDPE) by fungi isolated from municipal landfill area," *African Journal of Microbiology Research*, 1(4), hal. 131–136. doi: 10.5897/AJMR11.670.
- Raj, R. G., Kokta, V. dan J. D. Nizio (1992) "Studies on Mechanical Properties of Polyethylene-Organic Fiber Composites, I. Nut Shell Flour," *Journal of Applied Polymer Science*, 45, hal. 91–101.
- Reddy, N. dan Yang, Y. (2005) "Properties and potential applications of natural cellulose fibers from cornhusks," hal. 190–195. doi: 10.1039/b415102j.
- Richana (2002) "Produksi dan Prospek Enzim Xilanase dalam Pengembangan Bioindustri di Indonesia," *Buletin AgroBio*, 5(1), hal. 29–36.

- S. Mishra, Misra, M., Tripathy, S. S., Nayak, S. K., Mohanty, A. K. (2001) "Journal of Reinforced Plastics and Reinforcement in PALF-Polyester Composite: Surface Modification and Mechanical Performance." doi: 10.1177/073168401772678779.
- Sankari, G., Krishnamoorthy, E., Jayakumaran, S., Gunasekaran, S., Priya, V Vishnu., Subramaniam, S., Mohan, Surapaneni Krishna (2010) "Analysis of serum immunoglobulins using Fourier transform infrared spectral measurements," 2(3), hal. 42–48.
- Satlewal, Alok., Soni, Ravindra., Zaidi, Mgh., Shouche, Yogesh., Goel, Reeta (2008) "Comparative Biodegradation of HDPE and LDPE Using an Indigenously Developed Microbial Consortium," (January 2016).
- Setiawan, A. . dan F Aulia (2017) "Blending of Low-Density Polyethylene and Poly- Lactic Acid with Maleic Anhydride as A Compatibilizer for Better Environmentally Food- Packaging Material Blending of Low-Density Polyethylene and Poly-Lactic Acid with Maleic Anhydride as A Compatibilizer fo." doi: 10.1088/1757-899X/202/1/012087.
- Siregar, J. P., Moey, L. K. dan Wei, L. J. (2016) "Factors that affect the mechanical properties of kenaf fiber reinforced polymer : A review," (June 2018). doi: 10.15282/jmes.10.2.2016.19.0203.
- Sonmez, H. Ece., Berkalp, Ömer Berk., Bakkal, Mustafa., Bodur, M. Safa. (2015) "Effect of Recycled LDPE Matrix on the Properties of Waste Cotton Fiber Reinforced (WCF-R) Composites," *Usak University Journal of Material Sciences*, 3(1), hal. 135–135. doi: 10.12748/uujms.201416507.
- Sulchan, M. dan W, E. N. (2013) "Keamanan Pangan Kemasan Plastik Stereofoam," hal. 54–59.
- Sunna, A. dan Antranikian, G. (1997) "Xylanolytic Enzymes from Fungi and Bacteria," 17, hal. 39–67.
- Suyitno (2009) "Perumusan Laju Reaksi dan Sifat-Sifat Pirolisis Lambat Sekam Padi Menggunakan Metode Analisis Termogravimetri," *JURNAL TEKNIK MESIN*, 11, hal. 12–18.

Threepopnatkul, P., Krachang, T., Teerawattananon, W., Suriyaphaparkorn, K., Kulsetthanchalee, C. (2012) “(PALF) ON PERFORMANCE OF PALF / ABS COMPOSITES,” (June), hal. 24–28.

Threepopnatkul, P., Kaerkitcha, N. dan Athipongarporn, N. (2009) “Effect of surface treatment on performance of pineapple leaf fiber-polycarbonate composites,” *Composites Part B: Engineering*. Elsevier, 40(7), hal. 628–632. doi: 10.1016/J.COMPOSITESB.2009.04.008.

Viikari, Liisa., Kantelinen, Anne., Sundquist, Jorma., Linko, Matti. (1994) “Xylanases in bleaching: From an idea to the industry,” *FEMS Microbiology Reviews*. Narnia, 13(2–3), hal. 335–350. doi: 10.1111/j.1574-6976.1994.tb00053.x.

Wardani, L. dan Noerati (2019) “Effect of Enzymatic Treatment on the Mechanical Properties of Pineapple Leaf Fibre,” 1, hal. 1–5.

Wijayanto, S. O. dan Bayuseno, A. . (2014) “ANALISIS KEGAGALAN MATERIAL PIPA FERRULE NICEL ALLOY N06025 PADA WASTE HEAT BOILER AKIBAT SUHU TINGGI BERDASARKAN PENGUJIAN : MIKROGRAFI DAN KEKERASAN,” *Jurnal Teknik Mesin S-1*, 2(1), hal. 33–39.

Wijoyo, Sugiyanto dan Pramono, C. (2011) “PENGARUH PERLAKUAN PERMUKAAN SERAT NANAS (ANANAS COMOSUS L MERR) TERHADAP KEKUATAN TARIK DAN KEMAMPUAN REKAT SEBAGAI BAHAN KOMPOSIT,” 9, hal. 268–277.

Yilmaz, N. D., Çalışkan, E. dan Yilmaz, K. (2014) “Effect of xylanase enzyme on mechanical properties of fibres extracted from undried and dried corn husks,” *Indian Journal of Fibre & Textile Research*, 39(1), hal. 60–64.