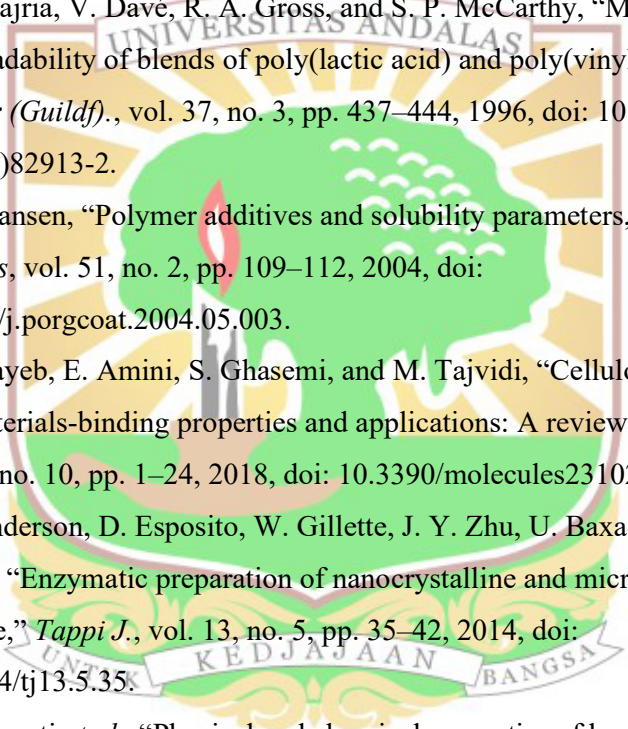


DAFTAR PUSTAKA

- [1] O. Martin and L. Avérous, "Poly(lactic acid): Plasticization and properties of *biodegradable* multiphase systems," *Polymer (Guildf)*., vol. 42, no. 14, pp. 6209–6219, 2001, doi: 10.1016/S0032-3861(01)00086-6.
- [2] F. Ridwan, N. Febriyan, M. A. Husin, and F. Aulia, "Developing Sustainable Reinforcement PLA/NCC from Kapok to Improve Mechanical and Electrical Properties Composites with PVA Matrix," *Rev. des Compos. des Mater. Av.*, vol. 34, no. 5, pp. 613–619, 2024, doi: 10.18280/rcma.340509.
- [3] M. H. R. Arifin, "Analisis Komposit Polimer Polypropylene High Impact (Pphi) Berpenguat Serat Nanas Dengan Fraksi Volume 20% Menggunakan Metode Hand Lay-Up," pp. 5–26, 2021, [Online]. Available: <http://eprints.itenas.ac.id/id/eprint/1168>
- [4] T. Trzepieciński, T. Batu, F. Kibrete, and H. G. Lemu, "Application of Composite Materials for Energy Generation Devices," *Journal of Composites Science*, vol. 7, no. 2. 2023. doi: 10.3390/jcs7020055.
- [5] N. N. Veček, M. Par, E. K. Sever, I. Miletić, and S. J. Krmek, "The Effect of a Green Smoothie on Microhardness, Profile Roughness and Color Change of Dental Restorative Materials," *Polymers (Basel)*., vol. 14, no. 10, 2022, doi: 10.3390/polym14102067.
- [6] M. Kim, D. W. Jo, S. Al Khalifah, B. Yu, M. Hayashi, and R. H. Kim, "Shear Bond Strength of Composite Diluted with Composite-Handling Agents on Dentin and Enamel," *Polymers (Basel)*., vol. 14, no. 13, 2022, doi: 10.3390/polym14132665.
- [7] A. Z. Naser, I. Deiab, and B. M. Darras, "Poly(lactic acid) (PLA) and polyhydroxyalkanoates (PHAs), green alternatives to petroleum-based plastics: a review," *RSC Advances*, vol. 11, no. 28. Royal Society of Chemistry, pp. 17151–17196, 2021. doi: 10.1039/d1ra02390j.
- [8] R. Auras, B. Harte, and S. Selke, "An overview of polylactides as packaging materials," *Macromol. Biosci.*, vol. 4, no. 9, pp. 835–864, 2004, doi: 10.1002/mabi.200400043.

- 
- [9] D. Garlotta, "A literature review of poly(lactic acid)," *J. Polym. Environ.*, vol. 9, no. 2, pp. 63–84, 2001.
- [10] N. Ljungberg and B. Wesslén, "The effects of plasticizers on the dynamic mechanical and thermal properties of poly(lactic acid)," *J. Appl. Polym. Sci.*, vol. 86, no. 5, pp. 1227–1234, 2002, doi: 10.1002/app.11077.
- [11] L. Zhang, C. Xiong, and X. Deng, "Miscibility, crystallization and morphology of poly(β -hydroxybutyrate)/poly(d,l-lactide) blends," *Polymer (Guildf.)*, vol. 37, no. 2, pp. 235–241, 1996, doi: 10.1016/0032-3861(96)81093-7.
- [12] A. M. Gajria, V. Davé, R. A. Gross, and S. P. McCarthy, "Miscibility and biodegradability of blends of poly(lactic acid) and poly(vinyl acetate)," *Polymer (Guildf.)*, vol. 37, no. 3, pp. 437–444, 1996, doi: 10.1016/0032-3861(96)82913-2.
- [13] C. M. Hansen, "Polymer additives and solubility parameters," *Prog. Org. Coatings*, vol. 51, no. 2, pp. 109–112, 2004, doi: 10.1016/j.porgcoat.2004.05.003.
- [14] A. H. Tayeb, E. Amini, S. Ghasemi, and M. Tajvidi, "Cellulose nanomaterials-binding properties and applications: A review," *Molecules*, vol. 23, no. 10, pp. 1–24, 2018, doi: 10.3390/molecules23102684.
- [15] S. R. Anderson, D. Esposito, W. Gillette, J. Y. Zhu, U. Baxa, and S. E. McNeil, "Enzymatic preparation of nanocrystalline and microcrystalline cellulose," *Tappi J.*, vol. 13, no. 5, pp. 35–42, 2014, doi: 10.32964/tj13.5.35.
- [16] R. Purnawati *et al.*, "Physical and chemical properties of kapok (*Ceiba pentandra*) and balsa (*Ochroma pyramidale*) fibers," *J. Korean Wood Sci. Technol.*, vol. 46, no. 4, pp. 393–401, 2018, doi: 10.5658/WOOD.2018.46.4.393.
- [17] Y. Habibi, L. A. Lucia, and O. J. Rojas, "Cellulose nanocrystals: Chemistry, self-assembly, and applications," *Chem. Rev.*, vol. 110, no. 6, pp. 3479–3500, 2010, doi: 10.1021/cr900339w.
- [18] G. Siqueira, J. Bras, and A. Dufresne, "Cellulosic bionanocomposites: A review of preparation, properties and applications," *Polymers (Basel)*, vol.

- 2, no. 4, pp. 728–765, 2010, doi: 10.3390/polym2040728.
- [19] R. J. Moon, A. Martini, J. Nairn, J. Simonsen, and J. Youngblood, *Cellulose nanomaterials review: Structure, properties and nanocomposites*, vol. 40, no. 7. 2011. doi: 10.1039/c0cs00108b.
- [20] S. Y. Fu, X. Q. Feng, B. Lauke, and Y. W. Mai, “Effects of particle size, particle/matrix interface adhesion and particle loading on mechanical properties of particulate-polymer composites,” *Compos. Part B Eng.*, vol. 39, no. 6, pp. 933–961, 2008, doi: 10.1016/j.compositesb.2008.01.002.
- [21] Y. Habibi, L. A. Lucia, and O. J. Rojas, “CNC - Johnsy - habibi2010 [2].pdf,” *Chem. Rev.*, vol. 110, pp. 3479–3500, 2010.
- [22] K. Oksman, A. P. Mathew, D. Bondeson, and I. Kvien, “Manufacturing process of cellulose whiskers/*Polylactic Acid* nanocomposites,” *Compos. Sci. Technol.*, vol. 66, no. 15, pp. 2776–2784, 2006, doi: 10.1016/j.compscitech.2006.03.002.
- [23] D. I. Simangunsong, T. H. A. Hutapea, H. W. Lee, J. O. Ahn, and J. P. Sitompul, “The effect of nanocrystalline cellulose (NCC) filler on *Polylactic Acid* (PLA) nanocomposite properties,” *J. Eng. Technol. Sci.*, vol. 50, no. 4, pp. 578–587, 2018, doi: 10.5614/j.eng.technol.sci.2018.50.4.9.

