

DAFTAR PUSTAKA

- [1] X. Zhang *et al.*, “Reinforcing effect of nanocrystalline cellulose and office waste paper fibers on mechanical and thermal properties of poly (lactic acid) composites,” *J Appl Polym Sci*, vol. 138, no. 21, Jun. 2021, doi: 10.1002/app.50462.
- [2] A. Randhawa, S. D. Dutta, K. Ganguly, T. V. Patil, D. K. Patel, and K.-T. Lim, “A Review of Properties of Nanocellulose, Its Synthesis, and Potential in Biomedical Applications,” *Applied Sciences*, vol. 12, no. 14, p. 7090, Jul. 2022, doi: 10.3390/app12147090.
- [3] A. Alemdar and M. Sain, “Biocomposites from wheat straw nanofibers: Morphology, thermal and mechanical properties,” *Compos Sci Technol*, vol. 68, no. 2, pp. 557–565, Feb. 2008, doi: 10.1016/j.compscitech.2007.05.044.
- [4] B. U. Peres, H. A. Vidotti, L. D. de Carvalho, A. P. Manso, F. Ko, and R. M. Carvalho, “Nanocrystalline cellulose as a reinforcing agent for electrospun polyacrylonitrile (PAN) nanofibers,” *J Oral Biosci*, vol. 61, no. 1, pp. 37–42, Mar. 2019, doi: 10.1016/j.job.2018.09.002.
- [5] E. de M. Teixeira, T. J. Bondancia, K. B. R. Teodoro, A. C. Corrêa, J. M. Marconcini, and L. H. C. Mattoso, “Sugarcane bagasse whiskers: Extraction and characterizations,” *Ind Crops Prod*, vol. 33, no. 1, pp. 63–66, Jan. 2011, doi: 10.1016/J.INDCROP.2010.08.009.
- [6] Badan Pusat Statistik, “Statistik Tebu Indonesia 2022,” 2023.
- [7] Mohd. K. Zafeer, R. A. Menezes, H. Venkatachalam, and K. S. Bhat, “Sugarcane bagasse-based biochar and its potential applications: a review,” *Emergent Mater*, Dec. 2023, doi: 10.1007/s42247-023-00603-y.
- [8] W. D. Callister and D. G. Rethwisch, *Materials Science and Engineering: An Introduction, 9th Edition*, 9th ed. John Wiley and Sons, 2013.
- [9] K. K. Chawla, *Composite Materials*. Cham: Springer International Publishing, 2019. doi: 10.1007/978-3-030-28983-6.
- [10] T.-D. Ngo, “Introduction to Composite Materials,” in *Composite and Nanocomposite Materials - From Knowledge to Industrial Applications*, IntechOpen, 2020. doi: 10.5772/intechopen.91285.
- [11] W. Groot, J. van Krieken, O. Sliemers, and S. de Vos, “Production and Purification of Lactic Acid and Lactide,” in *Poly(Lactic Acid)*, Wiley, 2010, pp. 1–18. doi: 10.1002/9780470649848.ch1.
- [12] L. McKeen, “Renewable Resource and Biodegradable Polymers,” in *The Effect of Sterilization on Plastics and Elastomers*, Elsevier, 2012, pp. 305–317. doi: 10.1016/B978-1-4557-2598-4.00012-5.

- [13] M. Jamshidian, E. A. Tehrany, M. Imran, M. Jacquot, and S. Desobry, "Poly-Lactic Acid: Production, Applications, Nanocomposites, and Release Studies," *Compr Rev Food Sci Food Saf*, vol. 9, no. 5, pp. 552–571, Sep. 2010, doi: 10.1111/j.1541-4337.2010.00126.x.
- [14] W. B. Kusumaningrum, F. A. Syamani, and L. Suryanegara, "Heat Properties of Polylactic Acid Biocomposites after Addition of Plasticizers and Oil Palm Frond Microfiber," *Jurnal Kimia Sains dan Aplikasi*, vol. 23, no. 8, pp. 295–304, Aug. 2020, doi: 10.14710/jksa.23.8.295-304.
- [15] S. S. Dalli, B. K. Uprety, M. Samavi, R. Singh, and S. K. Rakshit, "Nanocrystalline Cellulose: Production and Applications," in *Nanotechnology in the Life Sciences*, Springer Science and Business Media B.V., 2018, pp. 385–405. doi: 10.1007/978-3-319-99570-0_17.
- [16] N. A. Sri Aprilia *et al.*, "Preparation and characterization of sugarcane bagasse nanocellulose crystalline using acid hydrolysis with and without ultrasonication," *Rasayan Journal of Chemistry*, vol. 14, no. 1, pp. 601–607, 2021, doi: 10.31788/RJC.2021.1415920.
- [17] J. X. Sun, X. F. Sun, H. Zhao, and R. C. Sun, "Isolation and characterization of cellulose from sugarcane bagasse," *Polym Degrad Stab*, vol. 84, no. 2, pp. 331–339, May 2004, doi: 10.1016/J.POLYMDEGRADSTAB.2004.02.008.
- [18] S. K. , Soni, "Value Added Products from Lignocellulosic Agricultural Residues: An Overview," *International Journal of Food and Fermentation technology*, vol. 9, no. 2, Dec. 2019, doi: 10.30954/2277-9396.02.2019.7.
- [19] Z. Sabara *et al.*, "Sugarcane Bagasse as the Source of Nanocrystalline Cellulose for Gelatin-Free Capsule Shell," *Int J Biomater*, vol. 2022, pp. 1–8, Feb. 2022, doi: 10.1155/2022/9889127.
- [20] J. Shojaeiarani, D. S. Bajwa, and S. Chanda, "Cellulose nanocrystal based composites: A review," *Composites Part C: Open Access*, vol. 5, p. 100164, Jul. 2021, doi: 10.1016/j.jcome.2021.100164.
- [21] B. Gitari, B. P. Chang, M. Misra, A. Navabi, and A. K. Mohanty, "A comparative study on the mechanical, thermal, and water barrier properties of PLA nanocomposite films prepared with bacterial nanocellulose and cellulose nanofibrils," *Bioresources*, vol. 14, no. 1, pp. 1867–1889, Jan. 2019, doi: 10.15376/biores.14.1.1867-1889.