

DAFTAR PUSTAKA

- [1] A. L. Catto, M. A. Dahlem Júnior, B. Hansen, E. L. Francisquetti, and C. Borsoi, "Characterization of polypropylene composites using yerba mate fibers as reinforcing filler," *Composites Part B: Engineering*, vol. 174, no. March, 2019, doi: 10.1016/j.compositesb.2019.106935.
- [2] K. Kushwanth, G. Bharathiraja, V. Sakthi Murugan, and A. Muniappan, "Evaluation of mechanical properties of tea dust filler reinforced polymer composite," *Materials Today: Proceedings*, no. xxxx, 2021, doi: 10.1016/j.matpr.2021.07.213.
- [3] Y. Rathod, P. Bari, D. P. Hansora, and S. Mishra, "Elaboration of performance of tea dust – polypropylene composites," vol. 44750, pp. 1–9, 2017, doi: 10.1002/app.44750.
- [4] S. Sulardjaka, N. Iskandar, P. Manik, and D. S. Nurseto, "The effect of alkalization and esterification treatment on mechanical properties of water hyacinth fiber reinforced epoxy-resin composite," *Eastern-European Journal of Enterprise Technologies*, vol. 1, no. 12 (121), pp. 26–33, 2023, doi: 10.15587/1729-4061.2023.274064.
- [5] S. R. Lanjewar, P. S. Bari, D. P. Hansora, and S. Mishra, "Preparation and analysis of polypropylene composites with maleated tea dust particles," *IEEE Journal of Selected Topics in Quantum Electronics*, vol. 25, no. 2, pp. 373–381, 2018, doi: 10.1515/secm-2015-0345.
- [6] S. A. Hassan *et al.*, "Effect of fiber stacking sequence and orientation on quasi- static indentation properties of sustainable hybrid carbon/ramie fiber epoxy composites," *Current Research in Green and Sustainable Chemistry*, vol. 5, no. December 2021, p. 100284, 2022, doi: 10.1016/j.crgsc.2022.100284.
- [7] C. Y. Dang *et al.*, "Enhanced interlaminar shear strength of ramie fiber/polypropylene composites by optimal combination of graphene oxide size and content," *Composites Part B: Engineering*, vol. 168, no. March, pp. 488–495, 2019, doi: 10.1016/j.compositesb.2019.03.080.
- [8] B. Amor, M. Arous, and A. Kallel, "Effect of maleic anhydride on dielectric properties of natural fiber composite," *Journal of Electrostatics*, vol. 72, no. 2, pp. 156–160, 2014, doi: 10.1016/j.elstat.2013.12.006.
- [9] L. G. Dantas, L. A. De Castro Motta, D. Pasquini, and J. G. Vieira, "Surface esterification of sisal fibres for use as reinforcement in cementitious matrix," *Materials Research*, vol. 22, no. 4, 2019, doi: 10.1590/1980-5373-MR-2018-0585.

- [10] O. A. Balogun, O. O. Daramola, A. A. Adediran, A. A. Akinwande, and O. S. Bello, "Investigation of Jute/Tetracarpidium conophorum reinforced polypropylene composites for automobile application: Mechanical, wear and flow properties," *Alexandria Engineering Journal*, vol. 65, pp. 327–341, 2023, doi: 10.1016/j.aej.2022.10.026.
- [11] D. K. Rajak, D. D. Pagar, R. Kumar, and C. I. Pruncu, "Recent progress of reinforcement materials: A comprehensive overview of composite materials," *Journal of Materials Research and Technology*, vol. 8, no. 6, pp. 6354–6374, 2019, doi: 10.1016/j.jmrt.2019.09.068.
- [12] P. G. Pires, A. A. Domingos Maia, and J. M. Faulstich de Paiva, "Effect of high pressure laminate residue on the mechanical properties of recycled polypropylene blends," *Polymer Testing*, vol. 80, p. 106104, 2019, doi: 10.1016/j.polymertesting.2019.106104.
- [13] F. I. Aryanti, "Pembuatan Komposit Polimer Polipropilena/Talk/Masterbatch Hitam Pada Cover Tail," *Jurnal Teknologi dan Manajemen*, vol. 19, no. 1, pp. 1–6, 2021, doi: 10.52330/jtm.v19i1.8.
- [14] S. F. Muhammad and A. Hasan, "Pembuatan dan Uji Karakteristik Papan Serat dari Serat Sabut Kelapa dan Plastik Polipropilena Daur Ulang," vol. 12, no. 02, pp. 1–7, 2021.
- [15] A. Alsabri, F. Tahir, and S. G. Al-ghamdi, "Materials Today : Proceedings Environmental impacts of polypropylene (PP) production and prospects of its recycling in the GCC region," *Materials Today: Proceedings*, vol. 56, pp. 2245–2251, 2022, doi: 10.1016/j.matpr.2021.11.574.
- [16] A. N. Wagiswari and M. B. Prasetyo, "Pabrik Polipropilen Dari Propilen Dan Etilen Dengan Polimerisasi Fase Gas Teknologi Unipol," *Institut Teknologi Sepuluh Nopember*, pp. 1–123, 2016.
- [17] B. Debnath, D. Haldar, and M. K. Purkait, "Potential and sustainable utilization of tea waste: A review on present status and future trends," *Journal of Environmental Chemical Engineering*, vol. 9, no. 5, p. 106179, 2021, doi: 10.1016/j.jece.2021.106179.
- [18] A. Tutuş, Y. Kazaskeroğlu, and M. çiçekler, "Evaluation of tea wastes in usage pulp and paper production," *BioResources*, vol. 10, no. 3, pp. 5395–5406, 2015, doi: 10.15376/biores.10.3.5395-5406.
- [19] B. D. Mattos, A. L. Misso, P. H. G. De Cademartori, E. A. De Lima, W. L. E. Magalhães, and D. A. Gatto, "Properties of polypropylene composites filled with a mixture of household waste of mate-tea and wood particles," *Construction and Building Materials*, vol. 61, pp. 60–68, 2014, doi: 10.1016/j.conbuildmat.2014.02.022.
- [20] Parareda, Q. Tarrés, F. X. Espinach, and F. Vilaseca, "International Journal of Biological Macromolecules Influence of lignin content on the intrinsic modulus of natural fibers and

on the stiffness of composite materials,” vol. 155, pp. 81–90, 2020, doi: 10.1016/j.ijbiomac.2020.03.160.

- [21] M. Kumar, R. Tewari, S. Zafar, and S. Mavinkere, “Results in Materials A comprehensive review of various factors for application feasibility of natural fiber-reinforced polymer composites,” *Results in Materials*, vol. 17, no. December 2022, p. 100355, 2023, doi: 10.1016/j.rinma.2022.100355.
- [22] S. Sutini, Y. R. Widiastuty, and A. N. Ramadhani, “Review: Hidrolisis Lignoselulosa dari Agricultural Waste Sebagai Optimasi Produksi Fermentable Sugar,” *Equilibrium Journal of Chemical Engineering*, vol. 3, no. 2, p. 59, 2020, doi: 10.20961/equilibrium.v3i2.42788.
- [23] J. M. Jaya, A. Y. M. Hunga, S. S. Nikmah, and M. M. Susanti, “Sintesis Senyawa Etil Laurat Menggunakan Variasi Volume Katalis Asam Sulfat Pekat,” *Jurnal Labora Medika*, vol. 3, no. 1, pp. 1–9, 2019.
- [24] S. Sanjeevi, A. Ayyanar, R. Kalimuthu, and S. Susaiyappan, “Effects of chemical modification on the mechanical properties of Calotropis Gigantea fiber-reinforced phenol formaldehyde biocomposites,” *Medziagotyra*, vol. 26, no. 3, pp. 295–299, 2019, doi: 10.5755/j01.ms.26.3.17749.
- [25] I. A. S. Salem, A. R. Rozyanty, B. O. Betar, T. Adam, M. Mohammed, and A. M. Mohammed, “Study of the effect of surface treatment of kenaf fiber on chemical structure and water absorption of kenaf filled unsaturated polyester composite,” *Journal of Physics: Conference Series*, vol. 908, no. 1, 2017, doi: 10.1088/1742-6596/908/1/012001.
- [26] I. W. Rizki, A. Y. Sari, and U. Hikmah, “Analisis sifat mekanik list gypsum berbasis serat rami 1,” vol. 8, no. 2, pp. 56–60, 2023.
- [27] H. Junaedi, M. Baig, A. Dawood, E. Albahkali, and A. Almajid, “Modeling analysis of the tensile strength of polypropylene base Short Carbon Fiber reinforced composites,” *Journal of Materials Research and Technology*, vol. 11, pp. 1611–1621, 2021, doi: 10.1016/j.jmrt.2021.02.010.
- [28] I. Risnasari and R. Karolina, *Alat universal testing machine (UTM) dan Pengoperasiannya*, no. May 2023. 2022.
- [29] F. Paundra *et al.*, “Analisis Kekuatan Tarik Komposit Hybrid,” vol. 11, no. 1, pp. 9–13, 2022.
- [30] A. D. Laksono and D. T. Agustiningtyas, “Pengaruh Faktor Geografi Terhadap Karakteristik Bambu Petung,” *SPECTA Journal of Technology*, vol. 3, no. 1, pp. 25–32, 2019, doi: 10.35718/specta.v3i1.115.
- [31] “Standard Test Method for Tensile Properties of Plastics 1,” pp. 1–15, 2006, doi: 10.1520/D0638-14.

- [32] I. Ismail and M. Chalid, "Perilaku Kristalisasi Polipropilena dengan Penambahan Selulosa Mikro fibril Serat Sorgum sebagai Bio-Based Nucleating Agent," *SPECTA Journal of Technology*, vol. 1, no. 1, pp. 37–47, 2019, doi: 10.35718/specta.v1i1.74.
- [33] D. L. Pavia, G. M. Lampman, and G. S. Kriz, "Introduction to Spectroscopy," *Paint Testing Manual*. Bellingham, Washington, pp. 26–579, 2009. doi: 10.1520/stp37187s.
- [34] S. Suparjon, F. Gapsari, and B. Purnomo, "Physical, Mechanical, and Morphological Characteristics of Kapok (Ceiba Pentandra) Tree Bark and Epoxy Composite With Coating (Aeso) Treatment," *Jurnal Rekayasa Mesin*, vol. 14, no. 1, pp. 225–234, 2023, doi: 10.21776/jrm.v14i1.1218.
- [35] A. Fahmi, W. B. Kurniawan, and A. Indriawati, "Jurnal Riset Fisika Indonesia," *Jurnal Riset Fisika Indonesia*, vol. 2, no. 2, pp. 26–30, 2022.
- [36] E. Riande, R. Diaz Calleja, G. M. Prolongo, M. R. Msegosa, and C. Salom, *Polymer Viscoelasticity Stress and Strain In Practice*, no. Mi. 2000.