

DAFTAR PUSTAKA

- [1] P. Gao and Y. Ogata, “Biodegradability of PLA and tea waste composites based on ‘cHAMU’ and the ‘tea waste recycling system,’” *IOP Conference Series: Materials Science and Engineering*, vol. 563, no. 2, 2019, doi: 10.1088/1757-899X/563/2/022034.
- [2] Dr. R. K. Chandrappa and Mrs. S. S. Kamath, “The Egg shell as a filler in composite materials - a review,” *Journal of Mechanical and Energy Engineering*, vol. 4, no. 4, pp. 335–340, 2021, doi: 10.30464/jmeee.2020.4.4.335.
- [3] P. Gao and Y. Ogata, “Biodegradability of PLA and tea waste composites based on ‘cHAMU’ and the ‘tea waste recycling system,’” *IOP Conference Series: Materials Science and Engineering*, vol. 563, no. 2, 2019, doi: 10.1088/1757-899X/563/2/022034.
- [4] J. Hakim *et al.*, “Pengaruh Beda Temperatur Proses Injeksi Terhadap Sifat Mekanis Bahan Polypropylene (PP) Daur Ulang,” vol. 4, no. 2, pp. 124–134, 2020.
- [5] Y. Rathod, P. Bari, D. P. Hansora, and S. Mishra, “Elaboration of performance of tea dust–polypropylene composites,” *Journal of Applied Polymer Science*, vol. 134, no. 17, 2017, doi: 10.1002/app.44750.
- [6] K. Kushwanth Theja, G. Bharathiraja, V. Sakthi Murugan, and A. Muniappan, “Evaluation of mechanical properties of tea dust filler reinforced polymer composite,” *Materials Today: Proceedings*, vol. 80, no. xxxx, pp. 3208–3211, 2023, doi: 10.1016/j.matpr.2021.07.213.
- [7] S. Doddamani, S. M. Kulkarni, S. Joladarashi, M. Kumar T S, and A. K. Gurjar, “Analysis of light weight natural fiber composites against ballistic impact: A Review,” *International Journal of Lightweight Materials and Manufacture*, 2023, doi: 10.1016/j.ijlmm.2023.01.003.
- [8] N. Srahputri and R. Suratman, “Sifat Tarik Dan Sifat Impak Komposit Polipropilena High Impact Berpenguat Serat Rami Acak Yang Dibuat Dengan Metode Injection Molding Metodologi Penelitian Bahan,” vol. 26, no. 1, pp. 8–16, 2017.
- [9] T. Arif Sutrisno, Ik. D. krisma arta Arta, I. K. Astana Widi, and R. Febritasari, “Pengaruh Variasi Fraksi Volume Terhadap Kekuatan Tarik Matrik Resin Epoxy Berpenguat Serat Praksok Dengan Perlakuan Alkalisasi NaOH,” *Prosiding SENIATI*, vol. 6, no. 4, pp. 817–823, 2022, doi: 10.36040/seniati.v6i4.4980.
- [10] L. Prabhu, V. Krishnaraj, S. Gokulkumar, S. Sathish, and M. Ramesh, “ScienceDirect Mechanical , Chemical and Acoustical Behavior of Sisal – Tea Waste – Glass Fiber Reinforced Epoxy Based Hybrid Polymer Composites,” *Materials Today: Proceedings*, vol. 16, pp. 653–660, 2019, doi: 10.1016/j.matpr.2019.05.142.

- [11] M. Yani and F. Lubis, "Pembuatan Dan Penyelidikan Perilaku Mekanik Komposit Diperkuat Serat Limbah Plastikakibat Beban Lendutan," *Teknik Mesin ITM*, vol. 4, no. 2, pp. 77–84, 2018.
- [12] T. Thiounn and R. C. Smith, "Advances and approaches for chemical recycling of plastic waste," *Journal of Polymer Science*, vol. 58, no. 10, pp. 1347–1364, 2020, doi: 10.1002/pol.20190261.
- [13] Irawan Anggit, "Improvement of Mechanical and Thermal Properties of Recycled," 2016.
- [14] M. R. Jung *et al.*, "Validation of ATR FT-IR to identify polymers of plastic marine debris, including those ingested by marine organisms," *Marine Pollution Bulletin*, vol. 127, no. November 2017, pp. 704–716, 2018, doi: 10.1016/j.marpolbul.2017.12.061.
- [15] 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.
- [16] D. R. P. Wijaya, Y. Martono, and C. A. Riyanto, "Synthesis and Characterization of Nano Activated Carbon Tea Waste (*Camellia sinensis* L.) Viewed from the Content and Ratio of Orthophosphoric Acid," *Indonesian Journal of Chemical Research*, vol. 3, no. 2, pp. 49–58, 2019, doi: 10.20885//ijcr.vol3.iss2.art2.
- [17] B. Debnath, D. Halder, 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. Djuriawan, I. R. Rahim, and H. M. Gani, "Beton Ramah Lingkungan Dari Abu Hasil Pembakaran Limbah Kelapa Sawit Dan Daun Teh," *Digilib.Unhas.Ac.Id*, 2017.
- [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] A. I. Maylani, A. Nurfauziah, A. Nida, and A. H. Ariesta, "Isolasi dan Identifikasi Kafein dari Kopi dengan Instrumen Spektrofotometer UV-VIS dan FTIR," *Prodi Farmasi Stikes Bhamada Slawi*, pp. 1–6, 2015.
- [21] M. A. Batiencana, M. N. Acda, and R. J. Cabangon, "Particleboard from waste tea leaves and wood particles," *Journal of Composite Materials*, vol. 48, no. 8, pp. 911–916, 2014, doi: 10.1177/0021998313480196.
- [22] E. Novarini and M. D. Sukardan, "the Potency of Ramie Fiber (*Boehmeria Nivea* S . Gaud) Technical Textile Industries," *Arena Tekstil*, vol. 30, no. 2, pp. 113–122, 2015.

- [23] M. Gondorukem, P. Fraksi, and M. Dan, "Analisis kekuatan tarik komposit berpenguat serat rami dengan matriks gondorukem pada fraksi massa 15% dan 30% 1," vol. 11, no. 1, pp. 1–10, 2023.
- [24] C. Zhang *et al.*, "Abstract : Pr ep rin t n ot pe er re v iew Pr ep t n ot pe er ed," 2022.
- [25] P. Manaia, A. T. Manaia, and L. Rodrigues, "Industrial Hemp Fibers : An Overview," pp. 1–16, 2019.
- [26] E. Syafri, A. Kasim, H. Abral, A. Asben, and S. Wahono, "Pengembangan Digester Pulp Untuk Menghasilkan Partikel Selulosa Serat Rami Sebagai Filler Material Bionanokomposit," *Seminar Nasional Dampak Perubahan Iklim Terhadap Biodiversitas Pertanian Indonesia*, no. October, pp. 1–10, 2016.
- [27] I. B. Dharmawan, "ANALISA PENGARUH PERLAKUAN ALKALI DAN HYDROGEN PEROKSIDA TERHADAP KEKUATAN MEKANIK KOMPOSIT SERAT SABUT KELAPA," pp. 41–46, 2019.
- [28] R. Putra, M. Muhammad, T. Hafli, N. Islami, M. Nugraha P, and M. Irsyad K, "Analysis of the Mechanical Properties of Teak Sawdust-Reinforced Composite Boards Affected by the Alkalization Process," *International Journal of Engineering, Science and Information Technology*, vol. 2, no. 4, pp. 11–18, 2022, doi: 10.52088/ijesty.v2i4.303.
- [29] I. Mawardi, S. Rizal, S. Aprilia, and M. Faisal, "Kajian stabilitas termal bahan baku material insulasi panas berbasis serat alam : kayu kelapa sawit dan serat rami Study of the thermal stability of raw materials for thermal insulation materials based on natural fibers : palm wood and ramie fiber," pp. 16–21, 2021.
- [30] I. Ismail Pasue and E. Salah, "Analisis Lignin, Selulosa Dan Hemi Selulosa Jerami Jagung Hasil Di Fermentasi Trichoderma Viride Dengan Masa Inkubasi Yang Berbeda," *Jambura Journal of Animal Science*, vol. 1, no. 2, pp. 62–67, 2019, doi: 10.35900/jjas.v1i2.2607.
- [31] I. Susilawati, S. Suryanah, B. Ayuningsih, L. Khairani, and A. R. Tarmidi, "KANDUNGAN SERAT KASAR HIJAUAN RAMI (*Boehmeria nivea* L. Gaud) PADA BERBAGAI UMUR PEMOTONGAN," *Ziraa'Ah Majalah Ilmiah Pertanian*, vol. 44, no. 1, p. 9, 2019, doi: 10.31602/zmip.v44i1.1633.
- [32] M. M. Kabir, H. Wang, K. T. Lau, and F. Cardona, "Chemical treatments on plant-based natural fibre reinforced polymer composites: An overview," *Composites Part B: Engineering*, vol. 43, no. 7, pp. 2883–2892, 2012, doi: 10.1016/j.compositesb.2012.04.053.
- [33] M. A. Pradana, H. Ardhyananta, and M. Farid, "Pemisahan Selulosa dari Lignin Serat Tandan Kosong Kelapa Sawit dengan Proses Alkalisasi untuk Penguat Bahan Komposit Penyerap Suara," *Jurnal Teknik ITS*, vol. 6, no. 2, pp. 413–416, 2017, doi: 10.12962/j23373539.v6i2.24559.

- [34] R. Setiati, D. Wahyuningrum, and S. Kasmungin, "Analisa Spektrum Infra Red Pada Proses Sintesa Lignin Ampas Tebu Menjadi Surfaktan Lignosulfonat," *Seminar Nasional Cendekiawan*, pp. 1–11, 2016.
- [35] A. A. Bunaciu, V. D. Hoang, and H. Y. Aboul-Enein, "Applications of FT-IR Spectrophotometry in Cancer Diagnostics," *Critical Reviews in Analytical Chemistry*, vol. 45, no. 2, pp. 156–165, 2015, doi: 10.1080/10408347.2014.904733.
- [36] A. Pambudi, Moh. Farid, and H. Nurdiansah, "Analisa Morfologi dan Spektroskopi Infra Merah Serat Bambu Betung (*Dendrocalamus Asper*) Hasil Proses Alkalisasi Sebagai Penguat Komposit Absorpsi Suara," *Jurnal Teknik ITS*, vol. 6, no. 2, pp. 441–444, 2017, doi: 10.12962/j23373539.v6i2.24808.
- [37] U. L. Jamilah and S. Sujito, "THE IMPROVEMENT OF RAMIE FIBER PROPERTIES AS COMPOSITE MATERIALS USING ALKALIZATION TREATMENT: NaOH CONCENTRATION," *Jurnal Sains Materi Indonesia*, vol. 22, no. 2, p. 62, 2021, doi: 10.17146/jsmi.2021.22.3.6182.
- [38] R. D. Salindeho, J. Soukota, and R. Poeng, "Pemodelan Pengujian Tarik Untuk Menganalisis Sifat Mekanik Material," *Jurnal J-Ensitem*, vol. 3, no. 1, pp. 1–11, 2018.
- [39] E. Nugroho, E. Budiyanto, and A. D. Firdaus, "Pengaruh penambahan Silikon pada remelting piston motor bekas menggunakan tungku induksi terhadap kekuatan tarik dan kekerasan," *Turbo: Jurnal Program Studi Teknik Mesin*, vol. 10, no. 2, pp. 304–309, 2021, doi: 10.24127/trb.v10i2.1823.
- [40] H. Budiman, "Analisis Pengujian Tarik (Tensile Test) Pada Baja St37 Dengan Alat Bantu Ukur Load Cell," *J-Ensitem*, vol. 3, no. 01, pp. 9–13, 2016, doi: 10.31949/j-ensitem.v3i01.309.
- [41] A. Yuniari, M. Sholeh, and I. Indrajati, "Pengaruh sistem vulkanisasi konvensional (CV) dan semi efisien (SEV) terhadap sifat aging dan termal vulkanisat campuran karet alam dan karet butil," *Majalah Kulit, Karet, dan Plastik*, vol. 31, no. 2, pp. 99–106, 2015, doi: 10.20543/mkcp.v31i2.173.
- [42] 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.
- [43] S. He, L. Zhou, and H. He, "Preparation and properties of wood plastic composites based on tea residue," *Polymer Composites*, vol. 36, no. 12, pp. 2265–2274, 2015, doi: 10.1002/pc.23139.
- [44] T. Schweizer, *Polymer Viscoelasticity*, vol. 15, no. 4. 2019. doi: 10.1515/arh-2005-0035.

- [45] S. Anand Kumar and Y. Shivraj Narayan, *Tensile testing and evaluation of 3D-printed PLA specimens as per ASTM D638 type IV standard*, no. March. Springer Singapore, 2019. doi: 10.1007/978-981-13-2718-6_9.
- [46] S. U. D. a N. Hidayatullah Syarif, "Isolasi Dan Karakterisasi B -Glukan Dari Tubuh Buah Jamur Tiram Putih (," 2010.
- [47] F. P. Flax *et al.*, "applied sciences Comparative FT-IR Prospecting for Cellulose in Stems of Some," 2021.
- [48] 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.