

DAFTAR PUSTAKA

- Abdus Shomad, M., Sofyan, A., Mesin, T., Vokasi, P., & Muhammadiyah Yogyakarta Jl Lingkar Selatan Tamantirto, U. (2020). *Analisis Karakterisasi Komposit Hybrid pada Spatbor Depan Motor Matic* (Vol. 4, Number 2).
- Abedin, J., Franklin, F., & Mahmud, S. M. I. (2024). Linear Longitudinal Strength Analysis of a Multipurpose Cargo Ship under Combined Bending and Torsional Load. *Journal of Marine Science and Engineering*, 12(1). <https://doi.org/10.3390/jmse12010059>
- Achmad, Z., Ismail, A. E., & Hamdan, A. (2021). The effect of a mixture of epoxy resin matrix composite materials and hardener by varying the stirring speed on the mechanical properties. *International Journal of Engineering Trends and Technology*, 69(11), 83–88. <https://doi.org/10.14445/22315381/IJETT-V69I11P210>
- B, S., Keerthiprasad, Dr. K. S., Divakar, Dr. H. N., M, Dr. S., & R, A. Y. (2023). Mechanical Investigation of S-Glass/Carbon Fibers Reinforced Epoxy Polymer Matrix Composites. *International Journal of Engineering and Advanced Technology*, 12(4), 9–18. <https://doi.org/10.35940/ijeat.D4051.0412423>
- Beck, R., & Prewitz, M. (2024). Experimental investigation of tensile properties of glass capillary hybridized carbon fiber reinforced plastic (GCRP) for structurally integrated hydrogen storage. In *International Journal of Hydrogen Energy* (Vol. 62, pp. 321–330). Elsevier Ltd. <https://doi.org/10.1016/j.ijhydene.2024.01.226>
- Diana, L., Ghani Safitra, A., & Nabel Ariansyah, M. (2020). *Analisis Kekuatan Tarik pada Material Komposit dengan Serat Penguat Polimer*. 4(2), 59–67.
- Fao, H. R., Jasron, J. U., Bunganaen, W., Boimau, K., Jurusan,), & Mesin, T. (2016). *Pengaruh Perlakuan Temperatur terhadap Sifat Mekanik Komposit Hibrid Polyester Berpenguat Serat Buah Lontar dan Serat Kaca*. <http://ejournal-fst-unc.com/index.php/LJTMU>
- Fundamental Equations of Mechanics of Materials Axial Load*. (n.d.).
- Hassya Robban, S., & Djiw, S. (n.d.-a). *Analisis pengaruh rasio resin dan hardener terhadap sifat mekanik komposit serat rami*.
- Hassya Robban, S., & Djiw, S. (n.d.-b). *Analisis pengaruh rasio resin dan hardener terhadap sifat mekanik komposit serat rami*.
- International, A., & indexed by mero, files. (n.d.). *Designation: D 3039/D 3039M-00 e1 Standard Test Method for Tensile Properties of Polymer Matrix Composite Materials 1*.

- Jagannatha, T. D., Harish, G., & Author, C. (2015). Mechanical properties of carbon/glass fiber reinforced epoxy hybrid polymer composites. In *Int. J. Mech. Eng. & Rob. Res.* www.ijmerr.com
- Madier, Dominique. (2020). *Practical finite element analysis for mechanical engineers*. FEA Academy.
- William D. Callister, Jr., David G. Rethwisch. (2018) *Materials Science and Engineering*.
- Naresh, K., Shankar, K., Velmurugan, R., & Gupta, N. K. (2018). Statistical analysis of the tensile strength of GFRP, CFRP and hybrid composites. *Thin-Walled Structures*, 126, 150–161. <https://doi.org/10.1016/j.tws.2016.12.021>
- Neher, B., Hossain, R., Fatima, K., Gafur, M. A., Hossain, Md. A., & Ahmed, F. (2020). Study of the Physical, Mechanical and Thermal Properties of Banana Fiber Reinforced HDPE Composites. *Materials Sciences and Applications*, 11(04), 245–262. <https://doi.org/10.4236/msa.2020.114017>
- Parente, J. M., Silva, A. P., & Reis, P. N. B. (2025). The influence of carbon and glass fiber hybridization combined with a graphene-enhanced epoxy matrix on bending fatigue response. *International Journal of Fatigue*, 193. <https://doi.org/10.1016/j.ijfatigue.2024.108782>
- Pradana, D. W., Wulansari, A., & Sakti, G. (2023). *Pengaruh Model Serat Dan Sudut Serat Pada Bahan Fiberglass Terhadap Uji Tarik Dan Impact* (Vol. 7, Number 2). Bulan oktober.
- Ruzuqi, R. (2020). Impact Strength Analysis of Polymer Composite Materials (PCM) Fiber Reinforced in the Fiberboat Application. *Material Science Research India*, 17(2), 170–178. <https://doi.org/10.13005/msri/170209>
- Sethi, S., & Ray, B. C. (2014). An assessment of mechanical behavior and fractography study of glass/epoxy composites at different temperatures and loading speeds. *Materials and Design*, 64, 160–165. <https://doi.org/10.1016/j.matdes.2014.07.017>
- Shewale, J., Choudhari, C., & Bankoti, A. (2022). *JOURNAL OF MECHANICAL ENGINEERING AND SCIENCES (JMES) Carbon and natural fiber reinforced polymer hybrid composite: Processes, applications, and challenges*. 16, 8873–8891. <https://doi.org/10.15282/jmes.16.2.2022.06.0702>
- Siyal, S. H., Jogi, S. A., Muhammadi, S., Laghari, Z. A., Khichi, S. A., Naseem, K., Algarni, T. S., Alothman, A., Hussain, S., & Javed, M. S. (2021). Mechanical characteristics and adhesion of glass-Kevlar hybrid composites by applying different ratios of epoxy in lamination. *Coatings*, 11(1), 1–11. <https://doi.org/10.3390/coatings11010094>
- Sockalingam, K., & Chan, M. (n.d.). effects of fibre orientation on tensile properties of jute fibre reinforced composites. In *Journal of Engineering and*

Technological Advances (Vol. 7, Number 2). Retrieved <https://jeta.segi.edu.my/index.php/segi>

Song, P., Fang, Q., Liu, W., Ma, X., Li, Q., Naik, M. U. D., Ahmad, M., Huang, G., & Yang, C. (2024). Effects of Sizing Agents and Resin-Formulated Matrices with Varying Stiffness–Toughness Ratios on the Properties of Carbon Fiber Epoxy Resin Composites. *Polymers*, 16(23). <https://doi.org/10.3390/polym16233447>

Timsina, R., & Barahmand, Z. (n.d.). *Mesh Sensitivity Analysis of an Entrained Flow Biomass Gasifier: A CPFD Study*.

Tulegenkyzy, A. D., Megat-Yusoff, P. S. M., Al Azzam, K. M., Kairatovna, B. L., Goyal, A., Eshmaiel, G., Negim, E. S., Kusrini, E., & Samy, M. (2025). Tailoring Epoxy Resin Properties Using Glycidyl Methacrylate-Based Reactive Diluents: Viscosity Reduction and Performance Enhancement. *International Journal of Technology*, 16(4), 1421–1435. <https://doi.org/10.14716/ijtech.v16i4.7687>

Tulegenkyzy, A. D., Megat-Yusoff, P. S. M., Al Azzam, K. M., Kairatovna, B. L., Goyal, A., Eshmaiel, G., Negim, E. S., Samy, M., & Ravindran, B. (2024). Synthesis, Characterization, and Application of Poly(Styrene-Co-Glycidyl Methacrylate) as Reactive Diluents to Epoxy Resin. *International Journal of Technology*, 15(4), 903–916. <https://doi.org/10.14716/ijtech.v15i4.6920>

Utami, N., & Cahyo, E. (2022). sifat mekanik komposit fiberglass melalui uji lentur. *Teknika STTKD: Jurnal Teknik, Elektronik, Engine*, 8(2), 322–329. <https://doi.org/10.56521/teknika.v8i2.798>