

DAFTAR PUSTAKA

- Aditya, B. K., & Inprasetyobudi, H. (2020). Analysis Structure Wooden Boat Rules BKI - FEA 2020. *SETRINOV 6 Engineering and Science*, Vol 6 No.1.
- Akbar, M., & Admi Aksa, R. (2016). Finite Element Analysis of Wood Structural Joints on Traditional Wooden Ship. In *Journal of Ocean, Mechanical and Aerospace-Science and Engineering* (Vol. 30).
- Akhmad, Amir, Asdi, Ali, M. Y., & Anwar. (2022). The Process of Making a Pinisi Boat in Bantobahari District, Bulukumba Regency, Indonesia. *European Journal of Engineering and Technology Research*, 7(5), 70–75. <https://doi.org/10.24018/ejeng.2022.7.5.2837>
- Akhmad, Amir, Asdi, Arniati, Ali, M. Y., & Syukur, M. (2020). The Development Prospect of the Pinisi Vessel Industry in the Bulukumba Regency Indonesia. *International Journal of Innovation, Creativity and Change*. www.ijicc.net, 12(10). www.ijicc.net
- Alamsyah, Pawarah, M. U., & Dianiswara, A. (2022). Kajian Kebutuhan Material Pada Konstruksi Lambung Kapal Pinisi. *Jurnal Penelitian Enjiniring*, 25(1), 77–84. <https://doi.org/10.25042/jpe.052021.09>
- Ardiwidjaja, R. (2016). PELESTARIAN WARISAN BUDAYA BAHARI: DAYA TARIK KAPAL TRADISIONAL SEBAGAI KAPAL WISATA Maritime Culture Heritage Preservation: The Attraction of Traditional Boat as Traditional Cruise. *KALPATARU, Majalah Arkeologi*, 25(1), 65–74.
- BKI. (1996). *Biro Klasifikasi Indonesia (1996) Buku Peraturan Klasifikasi dan Kontruksi Kapal Laut*. Biro Klasifikasi Indonesia.
- BKI. (2022). *Rules for the Classification and Construction of Ships*. .
- Chakkour, T., & Perré, P. (2024). Developing the orthotropic linear-elastic model for wood applications using the FE method. *Materials Advances*, 5(19), 7747–7765. <https://doi.org/10.1039/D4MA00554F>
- Cui, H., Chen, Z., Hu, R., & Ding, Q. (2024). Ultimate strength assessment of hull girders considering elastic shakedown based on Smith's method. *Ocean Engineering*, 293, 116695. <https://doi.org/10.1016/j.oceaneng.2024.116695>
- Gautham, A., & Sahoo, D. R. (2021). Behavior of steel-reinforced composite concrete columns under combined axial and lateral cyclic loading. *Journal of Building Engineering*, 39, 102305. <https://doi.org/10.1016/j.jobbe.2021.102305>
- Gere, J. M., & Timoshenko, S. P. (2000). *Mechanics of Materials*. PWS Publishing Company.
- Hibbeler, R. C. (2017). *Mechanics of Materials Tenth Edition in SI Units* (10th ed.). Pearson. www.pearsonglobaleditions.com/hibbeler
- ISO 13061-4. (2014). *Physical and mechanical Properties of wood - Test Methods for small clear wood specimens ISO 13061-4 2014*.
- Jiang, Z.-L., Qian, Z.-W., Gu, X.-L., Zhu, J.-H., Long, W.-J., & Xing, F. (2022). Statistical analysis of chloride concentration distribution in concrete by a meso-scale model considering irregular shape aggregates. *Construction and Building Materials*, 319, 126143. <https://doi.org/10.1016/j.conbuildmat.2021.126143>
- Liu, B., & Guedes Soares, C. (2020). Ultimate strength assessment of ship hull structures subjected to cyclic bending moments. *Ocean Engineering*, 215, 107685. <https://doi.org/10.1016/j.oceaneng.2020.107685>
- Mascia, N. T., & Lahr, F. A. R. (2006). Remarks on orthotropic elastic models applied to wood. *Materials Research*, 9(3), 301–310. <https://doi.org/10.1590/S1516-14392006000300010>

- Noegraha, A. D., Djamaluddin, R., Irmawaty, R., & Sitepu, G. (2025). Study of the Effect Launching System using Airbags on the Hull Structures of Pinisi Ship. *Journal of Advanced Research in Applied Sciences and Engineering Technology*, 49(2), 278–295. <https://doi.org/10.37934/araset.49.2.278295>
- Nogueira, R. de S., Moritani, F. Y., Christoforo, A. L., Monteiro, S. N., de Azevedo, A. R. G., dos Santos, H. F., & Lahr, F. A. R. (2024). Influence of Test Method on the Determination of Tensile Strength Perpendicular to Grain of Timber for Civil Construction. *Materials*, 17(18), 4506. <https://doi.org/10.3390/ma17184506>
- Nowak, T., Patalas, F., & Karolak, A. (2021). Estimating mechanical properties of wood in existing structures—selected aspects. *Materials*, 14(8). <https://doi.org/10.3390/ma14081941>
- Oberkampf, W. L., & Barone, M. F. (2006). Measures of agreement between computation and experiment: Validation metrics. *Journal of Computational Physics*, 217(1), 5–36. <https://doi.org/10.1016/j.jcp.2006.03.037>
- One, L., Sunarno, Y., Manga, J., Palungan, M. B., Hijriah, Buarlele, L., Tangaran, B., Muhsar, M., & Aswad, N. H. (2025). *Mekanika Bahan* (S. Gusty, Ed.; Cetakan Pertama). Arsy Media.
- Popa, A., Manea, M.-G., & Ristea-Komornicki, M.-V. (2024). FEM Structural Analysis for Ship's Beam Modification: A Case Study. *Engineering, Technology & Applied Science Research*, 14(4), 15848–15853. <https://doi.org/10.48084/etasr.7885>
- Raji, F., Zisis, I., & Pinelli, J. P. (2020). Experimental Investigation of Wind-Driven Rain Propagation in a Building Interior. *Journal of Structural Engineering*, 146(7). [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0002670](https://doi.org/10.1061/(ASCE)ST.1943-541X.0002670)
- Sears, F. weston. (1958). *Mechanics-Heat-And-Sound* (Second Edition).
- Silva, J. V. F., Araujo, P. L. S. de, Oliveira, K. A. de, Silva, M. F. F., Oliveira, C. A., & Molina, J. C. (2022). Numerical and Experimental Analysis of Wood Tensile Strength Perpendicular to the Grain. *Floresta e Ambiente*, 29(1). <https://doi.org/10.1590/2179-8087-floram-2021-0080>
- SNI 03-3399. (1994). *SNI 03-3399-1994 METODE PENGUJIAN KUAT TARIK KAYU DI LABORATORIUM*.
- Solangi, E., Albarody, T. M. B., Al-Challabi, S., Khan, J. A., & Ali, S. (2024). Design and Failure Analysis of a Vacuum Pressure Vessel for Aerospace Applications using Finite Element Analysis (FEA). *Engineering, Technology & Applied Science Research*, 14(6), 17888–17893. <https://doi.org/10.48084/etasr.7673>
- Sunardi, ., Chiron, M. A., Sugiarto, ., Setyarini, P. H., & Supomo, H. (2025). Optimizing Hull Reinforcement for Fishing Vessel Safety: Investigating Impact Dynamics through FEA and In-Water Tests. *Engineering, Technology & Applied Science Research*, 15(3), 23163–23168. <https://doi.org/10.48084/etasr.10763>
- Zamarin, A., Rudan, S., Bolf, D., Lucchini, A., & Rossi, I. R. (2025). Ancient Ship Structures: Ultimate Strength Analysis of Wooden Joints. *Journal of Marine Science and Engineering*, 13(8), 1392. <https://doi.org/10.3390/jmse13081392>
- Zhang, K., Wang, F., Xu, R., Fan, X., Yan, B., Li, C., Liu, S., Guo, Y., & Chen, Y. (2021). Experimental and numerical study on the screw connection strength of bamboo-oriented strand board compared with wood-oriented strand board. *Journal of Wood Science*, 67(1). <https://doi.org/10.1186/s10086-021-01999-z>