

## DAFTAR PUSTAKA

- Abidin, N. Z., Leblond, C., Yolhamid, M. N. A. G., Zarim, M. A. U. A. A., Ibrahim, F., & Suhel, A. (2021). Investigation of numerical hydrodynamic performance of deformable hydrofoil (Applied on blade propeller). *Transactions on Maritime Science*, 10(2), 414–438. <https://doi.org/10.7225/toms.v10.n02.012>
- Aguilar, J., Rubio-Clemente, A., Velasquez, L., & Chica, E. (2019). Design and optimization of a multi-element hydrofoil for a horizontal-axis hydrokinetic turbine. *Energies*, 12(24). <https://doi.org/10.3390/en12244679>
- Agusty, C. L., Sitepu, G., & Idrus, M. (2024). Impact of Pulau Balang Bridge Operations on Kariangau – Penajam Ferry Service. *EPI International Journal of Engineering*, 6(1), 38–44. <https://doi.org/10.25042/epi-ije.022023.06>
- Ahmada, A. B. (2025, Februari 18). *Mengenal Tiga Pelabuhan di Balikpapan, dari Semayang, Kariangau, hingga Klotok Kampung Baru*. <https://www.goodnewsfromindonesia.id/2025/02/18/mengenal-tiga-pelabuhan-di-balikpapan-dari-semayang-kariangau-hingga-klotok-kampung-baru>.
- Aisyah, I. F., & Sutardi. (2024). Numerical investigations on Hydrofoil Performance due to Homogeneous Roughness. *IOP Conference Series: Earth and Environmental Science*, 1344(1), 012025. <https://doi.org/10.1088/1755-1315/1344/1/012025>
- Andersson, A., Barreng, A., Bohnsack, E., Larsson, L., Lundin, L., Olander, G., Sahlberg, R., Werner, E., Finnsgård, C., Persson, A., Brown, M., & McVeagh SSPA Sweden, J. A. (2018). DESIGN OF A FOILING OPTIMIST. *Journal of Sailboat Technology*, 2018–2024. <http://onepetro.org/JST/article-pdf/3/01/1/3358163/sname-jst-2018-006.pdf/>
- Aung, M. Z., Nazemian, A., Boulougouris, E., Wang, H., Duman, S., & Xu, X. (2024). Establishment of a design study for comprehensive hydrodynamic optimisation in the preliminary stage of the ship design. *Ships and Offshore Structures*, 19(6), 793–806. <https://doi.org/10.1080/17445302.2023.2208500>
- Bagazinski, N. J., & Ahmed, F. (2023). *ShipGen: A Diffusion Model for Parametric Ship Hull Generation with Multiple Objectives and Constraints*. <http://arxiv.org/abs/2311.06315>
- Biswas, S., & Harish, R. (2025). Effect of unsteady cavitation on hydrodynamic performance of NACA 4412 Hydrofoil with novel triangular slot. *Heliyon*, 11(3). <https://doi.org/10.1016/j.heliyon.2025.e42266>
- BKI. (2020). *Rules For Classification And Construction Part 3 Special Ships Volume X RULES FOR CREW BOATS 2020 Biro Klasifikasi Indonesia*. [www.bki.co.id](http://www.bki.co.id)
- Bottero, M., & Gualeni, P. (2024). Systems Engineering for Naval Ship Design

- Evolution. *Journal of Marine Science and Engineering*, 12(2).  
<https://doi.org/10.3390/jmse12020210>
- BPS. (2025). *BADAN PUSAT STATISTIK PROVINSI KALIMANTAN TIMUR*.
- Britannica Editors. (2025, Juni 22). *Metacentric stability*. Britannica Encyclopedia.  
<https://www.britannica.com/technology/naval-architecture/Metacentric-stability>
- Brousseau, P., Benaouicha, M., & Guillou, S. (2021). Hydrodynamic Efficiency Analysis of a Flexible Hydrofoil Oscillating in a Moderate Reynolds Number Fluid Flow. *Energies*, 14(14), 4370. <https://doi.org/10.3390/en14144370>
- Budiyanto, M. A., Prawira, N. Y., & Dwiputra, H. (2021). Lift-to-drag ratio of the application of hydrofoil with variation mounted position on high-speed patrol vessel. *CFD Letters*, 13(5), 1–9. <https://doi.org/10.37934/cfdl.13.5.19>
- Cahya Ire Pusnicha, Bugi Nugraha, Antony Damanik, & Intan Sianturi. (2024). Analisis Hubungan Kecepatan Kapal terhadap Kontrak Sewa Kapal Crew Boat di PT X. *Jurnal Riset Manajemen*, 2(3), 244–260. <https://doi.org/10.54066/jurma.v2i3.2259>
- Chen, Z. J., & Przekwas, A. J. (2010). A coupled pressure-based computational method for incompressible/compressible flows. *Journal of Computational Physics*, 229(24), 9150–9165. <https://doi.org/10.1016/j.jcp.2010.08.029>
- Cheng, X., Huang, X., Xu, D., Zhao, Z., Liu, H., Kong, M., & Ji, R. (2024). Ship Optimization Based on Fully-Parametric Models for Hull, Propeller and Rudder. *Journal of Marine Science and Engineering*, 12(9).  
<https://doi.org/10.3390/jmse12091635>
- Cui, M., Liu, Z., Lu, F., Gong, J., & Fu, Z. (2025). Research on the Influence of Hydrofoil Propulsive Parameters on Propulsion Efficiency. *Journal of Marine Science and Engineering*, 13(8), 1431. <https://doi.org/10.3390/jmse13081431>
- Dikantoro, R. Y., Suastika, I. K., & Purwanto, D. B. (2018). Analisis Hambatan Penggunaan Hydrofoil pada Katamaran Menggunakan CFD. *JURNAL TEKNIK ITS*, 7(1), 2337–3520.
- Giovannetti, L. M., Farousi, A., Ebbesson, F., Thollot, A., Shiri, A., & Eslamdoost, A. (2022). Fluid-Structure Interaction of a Foiling Craft. *Journal of Marine Science and Engineering*, 10(3). <https://doi.org/10.3390/jmse10030372>
- Herrapraastanti, E. H., Gunawan, H., & Santoso, E. B. (2018). OPTIMASI FOIL NACA 63(3)018 PADA KAPAL HIDROFOIL MENGGUNAKAN PARTICLE SWARM (PSO). *Teknika: Engineering and Sains Journal*, 2(2), 79–86.
- Huda, A. M. (2021). *Analisis Perbandingan Hambatan Total Kapal dengan Desain Bulbous Bow Tipe Moor Deep Ram Bow, Axe Bow dan X-Bow*.
- Iamshchikov, E., Janutenienė, J., Mažeika, P., Mickevičienė, R., Villa, D., Zapnickas, T., & Djakov, V. (2025). Optimizing Catamaran Hull Form for Resistance

- Reduction: Methodology and Case Study. *Journal of Marine Science and Engineering*, 13(6), 1160. <https://doi.org/10.3390/jmse13061160>
- IM, N. K., & CHOE, H. (2021). A quantitative methodology for evaluating the ship stability using the index for marine ship intact stability assessment model. *International Journal of Naval Architecture and Ocean Engineering*, 13, 246–259. <https://doi.org/10.1016/j.ijnaoe.2021.01.005>
- Ismail, I. N., Manik, P., & Indriyanto, M. (2020). Effect of the Addition of Hydrofoil on Lift Force and Resistance in 60 M High-Speed Vessel. *Kapal: Jurnal Ilmu Pengetahuan dan Teknologi Kelautan*, 17(3), 95–106. <https://doi.org/10.14710/kapal.v17i3.28772>
- Isnanto, B. A. (2025, Mei 21). *Daftar Pelabuhan di Kalimantan, Alamat dan Rute 2025*. <https://www.detik.com/kalimantan/bisnis/d-7925402/daftar-pelabuhan-di-kalimantan-alamat-dan-rute-2025>.
- Jailani, A. K., & Ardiansyah, F. (2022). Analisa Teknis Pengaruh Pemindahan Ruang Penumpang Dari Depan ke Bagian Belakang Terhadap Stabilitas Kapal Crew Boat Aluminium. *Jurnal Techno Bahari*, 9(1), 9–13.
- Kim, H. S., & Roh, M.-I. (2024). Interpretable, data-driven models for predicting shaft power, fuel consumption, and speed considering the effects of hull fouling and weather conditions. *International Journal of Naval Architecture and Ocean Engineering*, 16, 100592. <https://doi.org/10.1016/j.ijnaoe.2024.100592>
- Liony, A. (2014). *PENGARUH PERTAMINA TERHADAP MASYARAKAT KOTA BALIKPAPAN 1957-1975*.
- Luco Salman, R., Flores Troncoso, R., & Baos Ortiz, R. (2019). Naval Architecture: From Theory to practice. *Ciencia y tecnología de buques*, 13(25), 27–35. <https://doi.org/10.25043/19098642.186>
- Migeotte, G., Kornev, N., Hoppe, K. G., & Nesterova, A. (2005). Design of Hydrofoil Assisted Catamarans using a Non-Linear Vortex Lattice Method. *Journal of Marine Engineering*, 1(2).
- Molland, A. F., & Turnock, S. R. (2022). Hydrofoils. Dalam *Marine Rudders, Hydrofoils and Control Surfaces* (hlm. 57–89). Elsevier. <https://doi.org/10.1016/B978-0-12-824378-7.00005-6>
- Nazemian, A., Boulougouris, E., & Aung, M. Z. (2024). Utilizing Machine Learning Tools for Calm Water Resistance Prediction and Design Optimization of a Fast Catamaran Ferry. *Journal of Marine Science and Engineering*, 12(2). <https://doi.org/10.3390/jmse12020216>
- Niklas, K., & Pruszko, H. (2023). The retrofitting of ships by applying retractable bow hydrofoils: a case study. *Journal of Ocean Engineering and Marine Energy*, 9(4), 767–788. <https://doi.org/10.1007/s40722-023-00289-8>

- Petacco, N., & Gualeni, P. (2020). IMO second generation intact stability criteria: General overview and focus on operational measures. *Journal of Marine Science and Engineering*, 8(8). <https://doi.org/10.3390/JMSE8070494>
- PM 12 TAHUN 2022 (2022).
- Pratama, M. A., & Winarno, A. (2022). ANALISA PENGARUH HIDROFOIL DENGAN VARIASI PLANING HULL CHINE TERHADAP LAJU ALIRAN SPEEDBOAT. *JURNAL JALASENA*, (2).
- Purnama, E., & Sahroni, T. R. (2025). Manufacture of a mini dredger for sustainable sedimentation in the jetty area using a parent design approach method. *IOP Conference Series: Earth and Environmental Science*, 1488(1). <https://doi.org/10.1088/1755-1315/1488/1/012016>
- Putranto, T., Suastika, K., & Gunanta, J. (2016). Intact Stability Analysis of Crew Boat with Variation of Deadrise Angle. Dalam *Postgraduate Program Institut Teknologi Sepuluh Nopember*.
- Salsabila, & Hariadi. (2025, Oktober 17). *Pekerja Proyek Revitalisasi Kilang Balikpapan Turun Drastis, Disnaker Siapkan Strategi Transisi*. <https://nomorsatukaltim.disway.id/ekonomi/read/64698/pekerja-proyek-revitalisasi-kilang-balikpapan-turun-drastis-disnaker-siapkan-strategi-transisi>.
- Setiawan, W., Alamsyah, Suardi, Ikhwan, R. J., & Habibi, L. (2020). *Design of Hydrofoil Craft for Balikpapan-Penajam Route*. 64–68. <https://doi.org/10.5220/0009405700640068>
- Sobieski, W. (2011). THE BASIC EQUATIONS OF FLUID MECHANICS IN FORM CHARACTERISTIC OF THE FINITE VOLUME METHOD. *Abbrev.: Techn. Sc., No, 14*(2).
- Susanto, S. H. (2016). Percepatan Pembangunan Infrastruktur Transportasi Laut. *Jurnal Kajian Lemhannas RI | Edisi*, 25.
- Vermeire, B. C., Pereira, C. A., & Karbasian, H. (2020). *Computational Fluid Dynamics - An Open Source Approach*. Concordia University.
- Vieira, L. M., Giacomini, M., Sevilla, R., & Huerta, A. (2024). A face-centred finite volume method for laminar and turbulent incompressible flows. *Computers and Fluids*, 279. <https://doi.org/10.1016/j.compfluid.2024.106339>
- Vivian C., N., Aniekan A., O., & Idongesit O., A. (2025). Assessment of Flow Dynamics of a 5-Digit Series Airfoil with Variable Aerodynamic Parameters. *International Journal of Innovative Science and Research Technology*, 1157–1179. <https://doi.org/10.38124/ijisrt/25jun567>
- Wade, A. (2024). Riding High. *The Engineer*, 302(7958), 32–34. [https://doi.org/10.12968/S0013-7758\(25\)90326-1](https://doi.org/10.12968/S0013-7758(25)90326-1)

- Wicaksono, M. F. A., Pohan, G. A., & Hidayath, I. T. (2022). Analisa Aerodinamika Airfoil Pesawat Dengan Pendekatan Computational Fluid Dynamic Dan Wind Tunnel. *JURNAL FLYWHEEL*, 13(1), 21–35. <https://doi.org/10.36040/flywheel.v13i1.4744>
- Woo, D., Choe, H., & Im, N. K. (2021). Analysis of the relationship between gm and imo intact analysis of the relationship between gm and imo stability parameters to propose simple evaluation methodology. *Journal of Marine Science and Engineering*, 9(7). <https://doi.org/10.3390/jmse9070735>
- Woo, D., & Im, N. K. (2022). A Methodology for Simply Evaluating the Safety of a Passenger Ship Stability Using the Index for the Intact Stability Appraisal Module. *Sensors (Basel, Switzerland)*, 22(5). <https://doi.org/10.3390/s22051938>

