

DAFTAR PUSTAKA

- Acanfora, M., Altosole, M., Balsamo, F., Micoli, L., & Campora, U. (2022). Simulation Modeling of a Ship Propulsion System in Waves for Control Purposes. *Journal of Marine Science and Engineering*, 10(1). <https://doi.org/10.3390/jmse10010036>
- Agastiya, B., Ariana, I. M., & Baidowi, A. (2022). Analysis of Self-propulsion Test for Propeller KP-505 with and without Pre-Swirl Stator. *IOP Conference Series: Earth and Environmental Science*, 1081(1). <https://doi.org/10.1088/1755-1315/1081/1/012055>
- Amin, I., Dai, S., Oterkus, S., Day, S., & Oterkus, E. (2020). Experimental investigation on the motion response of a novel floating desalination plant for Egypt. *Ocean Engineering*, 210. <https://doi.org/10.1016/j.oceaneng.2020.107535>
- Ančić, I., Theotokatos, G., & Vladimir, N. (2018). Towards improving energy efficiency regulations of bulk carriers. *Ocean Engineering*, 148, 193–201. <https://doi.org/10.1016/j.oceaneng.2017.11.014>
- Andersson, J., Shiri, A. A., Bensow, R. E., Yixing, J., Chengsheng, W., Gengyao, Q., Deng, G., Queutey, P., Xing-Kaeding, Y., Horn, P., Lücke, T., Kobayashi, H., Ohashi, K., Sakamoto, N., Yang, F., Gao, Y., Windén, B., Meyerson, M. G., Maki, K. J., ... Werner, S. (2022). Ship-scale CFD benchmark study of a pre-swirl duct on KVLCC2. *Applied Ocean Research*, 123. <https://doi.org/10.1016/j.apor.2022.103134>
- Arapakopoulos, A., Polichshuk, R., Segizbayev, Z., Ospanov, S., Ginnis, A. I., & Kostas, K. V. (2019). Parametric models for marine propellers. *Ocean Engineering*, 192. <https://doi.org/10.1016/j.oceaneng.2019.106595>
- Brown, M., Sánchez-Caja, A., Adalid, J. G., Black, S., Sobrino, M. P., Duerr, P., Schroeder, S., & Saisto, I. (2014). *Improving Propeller Efficiency Through Tip Loading*.

- Hochkirch, K., & Bertram, V. (n.d.). *Options for Fuel Saving for Ships. ITTC-Recommended Procedures and Guidelines Propulsion, Performance Podded Propulsion Tests and Extrapolation.* (n.d.).
- John Carlton. (n.d.). *Marine Propellers and Propulsion.*
- Kim, J. H., Choi, J. E., Choi, B. J., Chung, S. H., & Seo, H. W. (2015). Development of Energy-Saving devices for a full Slow-Speed ship through improving propulsion performance. *International Journal of Naval Architecture and Ocean Engineering*, 7(2), 390–398. <https://doi.org/10.1515/ijnaoe-2015-0027>
- Leonard, S., & Lübke, L. (n.d.). *An Investigation into the Effect on Ship Manoeuvring of a Pre-Swirl Duct.* <https://doi.org/10.15480/882.9365>
- Ligtelijn, D., & Dang, J. (2017). Propulsor Types. In *Encyclopedia of Maritime and Offshore Engineering* (pp. 1–21). Wiley. <https://doi.org/10.1002/9781118476406.emoe053>
- Lim, S. S., Kim, T. W., Lee, D. M., Kang, C. G., & Kim, S. Y. (2014). Parametric study of propeller boss cap fins for container ships. *International Journal of Naval Architecture and Ocean Engineering*, 6(2), 187–205. <https://doi.org/10.2478/IJNAOE-2013-0172>
- John Carlton. (2012). *Marine Propellers and Propulsion.*
- Muhammad, A. H., Nikmatullah, M. I., & Kalsum AL, U. (2021). IMPROVED PROPELLER EFFICIENCY OF A FERRY SHIP WITH ASYMMETRIC PRE-SWIRL STATOR. *Journal of Marine-Earth Science and Technology*, 2(1), 11–17. <https://doi.org/10.12962/j27745449.v2i1.73>
- Munazid, A., Ariana, M., & Utama, I. K. A. P. (2024). CFD Analysis on the Development of Pre-Duct Shape to Improve Propeller Performance. *CFD Letters*, 16(2), 118–132. <https://doi.org/10.37934/cfdl.16.2.118132>

- Nadery, A., & Ghassemi, H. (2020). Hydrodynamic Performance of the Ship Propeller under Oscillating Flow with and Without Stator. *American Journal of Civil Engineering and Architecture*, 8(2), 56–61. <https://doi.org/10.12691/ajcea-8-2-5>
- National Maritime Research Institute. (n.d.). *Resistance and self-propulsion test results in designed full load and ballast conditions*. Retrieved July 13, 2025, from <https://www.nmri.go.jp/study/intellectual/db/jbc2/>
- Nicorelli, G., Villa, D., & Gaggero, S. (2023). Pre-Swirl Ducts, Pre-Swirl Fins and Wake-Equalizing Ducts for the DTC Hull: Design and Scale Effects. *Journal of Marine Science and Engineering*, 11(5). <https://doi.org/10.3390/jmse11051032>
- Njaastad, E. B., Steen, S., & Egeland, O. (2022). Identification of the geometric design parameters of propeller blades from 3D scanning. *Journal of Marine Science and Technology (Japan)*, 27(2), 887–906. <https://doi.org/10.1007/s00773-022-00878-6>
- NMRI (National Maritime Research Institute). (n.d.). *KRISO Container Ship (KCS)*. Retrieved July 13, 2025, from https://www.nmri.go.jp/study/research_organization/fluid_performance/cfd/cfdws05/gothenburg2000/KCS/kcs_g&c.htm
- Nowruzi, H., & Najafi, A. (2019). An experimental and CFD study on the effects of different pre-swirl ducts on propulsion performance of series 60 ship. *Ocean Engineering*, 173, 491–509. <https://doi.org/10.1016/j.oceaneng.2019.01.007>
- Pardomuan Sitorus, S., & Budiarto, U. (2020). JURNAL TEKNIK PERKAPALAN Perancangan Propeller dan Engine Propeller Matching Pada Kapal Self Propelled Oil Barge (SPOB) 5000 DWT. *Jurnal Teknik Perkapalan*, 8(4), 563. <https://ejournal3.undip.ac.id/index.php/naval>
- Polakis, M., Zachariadis, P., & De Kat, J. O. (2019). The energy efficiency design index (Eedi). In *Sustainable Shipping: A Cross-Disciplinary View*

(pp. 93–115). Springer International Publishing.
https://doi.org/10.1007/978-3-030-04330-8_3

Prins, H. J., Flikkema, M. B., Schuiling, B., Xing-Kaeding, Y., Voermans, A. A. M., Müller, M., Coache, S., Hasselaar, T. W. F., & Paboeuf, S. (2016). Green Retrofitting through Optimisation of Hull-propulsion Interaction - GRIP. *Transportation Research Procedia*, 14, 1591–1600.
<https://doi.org/10.1016/j.trpro.2016.05.124>

Saboo, S., Dhanesha, H., Ardeshta, R., & Sheth, S. (n.d.). *Study of advancement in Marine Vessel Propulsion Systems leading to progress of Steerable Control Unit.*

Sánchez-Caja, A., & Siikonen, T. (2003). *Simulation of Incompressible Viscous Flow Around a Tractor Thruster in Model and Full Scale.*
<https://www.researchgate.net/publication/256293297>

Soares, C. Guedes. (2014). *Developments in maritime transportation and exploitation of sea resources : proceedings of IMAM 2013, 15th International Congress of the International Maritime Association of the Mediterranean (IMAM), A Coruña, Spain, 14-17 October 2013.* CRC Press.

Trimulyono, A., & Sudharto, J. (2015). ANALISA EFISIENSI PROPELLER B-SERIES DAN KAPLAN PADA KAPAL TUGBOAT ARI 400 HP DENGAN VARIASI JUMLAH DAUN, SUDUT RAKE MENGGUNAKAN CFD. In *KAPAL* (Vol. 12, Issue 2).

Xia, C., Zhu, Y., Zhou, S., Peng, H., Feng, Y., Zhou, W., Shi, J., & Zhang, J. (2023). Simulation study on transient performance of a marine engine matched with high-pressure SCR system. *International Journal of Engine Research*, 24(4), 1327–1345.
<https://doi.org/10.1177/14680874221084052>

Yasim, A., Koekoech, R., Wibowo, K., & Priohutomo, K. (2021). Study of Main Engine and Propeller Matching on Fishing Vessel After Reparation

(Case Study of KM. Nelayan 2017-572). In *Jurnal Ilmiah Teknologi Maritim* (Vol. 15, Issue 1).