

## DAFTAR PUSTAKA

- Ahmed, Alaaeldeen Mohamed Elhadad, dan Ahmed Mokhtar Abo El-Ela. 2023. "Experimental and CFD Resistance Validation of Naval Combatant DTMB 5415-51 Model." *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences* 107 (2): 84–102. <https://doi.org/10.37934/arfmts.107.2.84102>.
- Ahmed, Y. M. 2011. "Numerical simulation for the free surface flow around a complex ship hull form at different Froude numbers." *Alexandria Engineering Journal* 50 (3): 229–35. <https://doi.org/10.1016/j.aej.2011.01.017>.
- Ahmed, Yasser, J M A Fonfach, dan Carlos Guedes Soares. 2010. "Numerical simulation for the flow around the hull of the DTMB model 5415 at different speeds." *International Review of Mechanical Engineering* 4 (November):957–64.
- Ahmed, Yasser M, O B Yaakob, M F A Rashid, dan A H Elbatran. 2015. "Determining Ship Resistance Using Computational Fluid Dynamics CFD." *Journal of Transport System Engineering* 2:20–25.
- Ahmed, Yasser M., dan Carlos Guedes Soares. 2009. "Simulation of the flow around the surface combatant DTMB model 5415 at different speeds." Dalam *13 th Congress of Intl. Maritime Assoc. of Mediterranean IMAM 2009*, 1–9. Istanbul, Turkey. <https://www.researchgate.net/publication/263126369>.
- ASTM E74-18e1. 2018. "Standard Practices for Calibration and Verification for Force-Measuring Instruments." West Con- shohocken, Pennsylvania, USA. <https://doi.org/10.1520/E0074-18E01>.
- Bekhit, A., dan D. Obreja. 2020. "Numerical and Experimental Investigation on the Free-surface Flow and Total Resistance of the DTMB Surface Combatant." Dalam *IOP Conference Series: Materials Science and Engineering*. Vol. 916. IOP Publishing Ltd. <https://doi.org/10.1088/1757-899X/916/1/012008>.
- Bentley. 2017a. "Bentley Institute Training MAXSURF CONNECT Edition Resistance QuickStart." <http://learn.bentley.com/>.
- . 2017b. *User Manual MAXSURF Resistance CONNECT Edition V21*. V21 ed. MAXSURF Resistance Program & User Manual Copyright © 2017 Bentley Systems, Incorporated. All rights reserved.
- . 2021. *User Manual MAXSURF Modeller CONNECT Edition V23*. Modeller Program & User Manual Copyright © 2021 Bentley Systems, Incorporated. All rights reserved.

- . 2022. *User Manual MAXSURF Resistance CONNECT Edition V23*. V23 ed. MAXSURF Resistance Program & User Manual Copyright © 2022 Bentley Systems, Incorporated. All rights reserved.
- Birk, Lotar. 2019. “Ship Resistance.” Dalam *Fundamentals of Ship Hydrodynamics*, Chapter 2:10–25. Wiley. <https://doi.org/10.1002/9781119191575.ch2>.
- Birk, Lothar. 2019a. “Holtrop and Mennen’s Method.” Dalam *Fundamentals of Ship Hydrodynamics*, 611–27. Wiley. <https://doi.org/10.1002/9781119191575.ch50>.
- . 2019b. “Resistance Test.” Dalam *Fundamentals of Ship Hydrodynamics*, 345–56. Wiley. <https://doi.org/10.1002/9781119191575.ch29>.
- Calero, Julián Simón. 2008. *The genesis of fluid mechanics, 1640-1780*. Vol. 22. Springer.
- Deng, Rui, Shigang Wang, Yuxiao Hu, Yuquan Wang, dan Tiecheng Wu. 2021. “The effect of hull form parameters on the hydrodynamic performance of a bulk carrier.” *Journal of Marine Science and Engineering* 9 (4). <https://doi.org/10.3390/jmse9040373>.
- Farkas, Andrea, Nastia Degiuli, dan Ivana Martić. 2017. “Numerical simulation of viscous flow around a tanker model.” *Brodogradnja* 68 (2): 109–25. <https://doi.org/10.21278/brod68208>.
- Firdhaus, Ahmad, I Ketut Suastika, Kiryanto, dan Samuel. 2021. “Benchmark Study of FINETM/Marine CFD Code for the Calculation of Ship Resistance.” *Jurnal Ilmu Pengetahuan dan Teknologi Kelautan* 18 (2): 111–18. <https://doi.org/10.14710/kapal.v18i2.39727>.
- Froude, W. 1868. “Observations and Suggestions on the subject of Determining by Experiment the Resistance of Ships, memorandum sent to Mr. EJ Reed, Chief Constructor of the Navy, Dated December 1868, The Papers of William Froude MA.” *Published in The Papers of William Froude, A.D. Duckworth, The Institution of Naval Architects, London, United Kingdom, pp. 120-128, 1955.*, Desember, 120–28. [https://scholar.google.com/scholar\\_lookup?hl=en&publication\\_year=1868&pages=120128&author=W.+Froude&title=The+Papers+of+William+Froude](https://scholar.google.com/scholar_lookup?hl=en&publication_year=1868&pages=120128&author=W.+Froude&title=The+Papers+of+William+Froude).
- Fung, Siu C. 1987. “Resistance Predictions and Parametric Studies for High-Speed Displacement Hulls.” *Naval Engineers Journal* 99 (2): 64–80. <https://doi.org/10.1111/j.1559-3584.1987.tb02100.x>.

- . 1991. “Resistance and powering prediction for transom stern hull forms during early stage ship design.” *Society of Naval Architects and Marine Engineers Transactions* 99:29–84.
- Fung, Siu C., dan L Leibman. 1995. “Revised Speed-Dependent Powering Predictions For High-Speed Transom Stern Hull Forms.” Dalam *FAST '95: Third International Conference on Fast Sea Transportation, Lubeck-Travemunde*, disunting oleh C.F.L Kruppa, 151. Germany: Schiffbautechnische Gesellschaft.  
<https://api.semanticscholar.org/CorpusID:107422532>.
- Gross, A. 1975. “Form Factor.” Dalam *Proceedings of the 14th ITTC*, 576–90. Ottawa, Canada: Report of the Performance Committee, Appendix 4.
- Harris, D G. 1989. *F.H. Chapman: The First Naval Architect and His Work*. Conway Maritime. <https://books.google.co.id/books?id=OcwgAAAAMAAJ>.
- Harvald, Sv.Aa. 1983. “Resistance and Propulsion of Ships.” Dalam .  
<https://doi.org/https://doi.org/10.1016/0191-2607%2884%2990024-4>.
- Holtrop, J. 1977. “A statistical analysis of performance test results.” *International Shipbuilding Progress* 24:23–28. <https://doi.org/10.3233/ISP-1977-2427001>.
- Holtrop, J. 1978. “Statistical data for the extrapolation of model performance tests.” *International Shipbuilding Progress* 25 (588).  
[https://scholar.googleusercontent.com/scholar?q=cache:j6hedLv1EHUJ:scholar.google.com/+Statistical+Data+for+the+Extrapolation+of+Model+Performance+Tests&hl=en&as\\_sdt=0,5](https://scholar.googleusercontent.com/scholar?q=cache:j6hedLv1EHUJ:scholar.google.com/+Statistical+Data+for+the+Extrapolation+of+Model+Performance+Tests&hl=en&as_sdt=0,5).
- Holtrop, J. 1984. “A statistical re-analysis of resistance and propulsion data.” *Published in International Shipbuilding Progress, ISP, Volume 31, Number 363*.
- Holtrop, J. 1988. “A statistical resistance prediction method with a speed dependent form factor.” *Proceedings of the 17th Session BSHC, Varna* 1:1–3.
- Holtrop, J. 2001. “Extrapolation of propulsion tests for ships with appendages and complex propulsors.” *Marine technology and SNAME news* 38 (03): 145–57.
- Holtrop, J., dan G G J Mennen. 1978. “A statistical power prediction method.” *International shipbuilding progress* 25 (290).
- Holtrop, J., dan G.G.J. Mennen. 1982. “An approximate power prediction method.” *International Shipbuilding Progress* 29 (335): 166–70.  
<https://doi.org/10.3233/ISP-1982-2933501>.

- Hutauruk, Ronald Mangasi. 2013. "Simulasi Numerik Tahanan Kapal Gillnet menggunakan Pendekatan Computational Fluid Dynamics." *Jurnal Perikanan dan Kelautan* 18 (1): 35–47.
- Islam, H., M. Ventura, C. Guedes Soares, M. Tadros, dan H.S. Abdelwahab. 2022. "Comparison between empirical and CFD based methods for ship resistance and power prediction." Dalam *Trends in Maritime Technology and Engineering Volume 1*, 347–57. London: CRC Press. <https://doi.org/10.1201/9781003320272-38>.
- ITTC. 1933. "The Resistance Committee 1st International Towing Tank Conference." Dalam *International Conference of Tank Superintendent The Hague*, 1–151. ITTC.
- . 2002. "The Resistance Committee 23rd International Towing Tank Conference." Dalam *Proceedings of the 23rd ITTC – Volume I*, 1–83. Venice: ITTC.
- . 2005. "The Resistance Committee Final Report and Recommendations to the 24th ITTC." Dalam *Proceedings of the 24th ITTC - Volume I*, 1–55. Edinburg: ITTC.
- . 2008. "The Resistance Committee Final Report and Recommendations to the 25th ITTC." Dalam *Proceedings of 25th ITTC – Volume I*, 1–61. Fukuoka: ITTC.
- . 2011a. "ITTC-Recommended Procedures and Guidelines Fresh Water and Seawater Properties." 7.5-02-01–03. revision 02. Rio de Janeiro, Brazil.
- . 2011b. "The Resistance Committee Final Report and Recommendations to the 26 th ITTC." Dalam *Proceedings of the 26th ITTC - Volume I*, 1–50. Rio de Janeiro, Brazil: ITTC. <https://itc.info/downloads/proceedings/26th-conference-rio-de-janeiro-2011/>.
- . 2014. "Resistance Committee Final Report and Recommendations to the 27 th ITTC." Dalam *Proceedings of the 27th ITTC - Volume I*, 1–46. Copenhagen: ITTC. <https://itc.info/downloads/proceedings/27th-conference-copenhagen-2014/>.
- . 2017a. "ITTC-Recommended Procedures and Guidelines Resistance Test." 7.5-02-02–01. revision 04. Wuxi, China.
- . 2017b. "ITTC-Recommended Procedures and Guidelines Ship Models." 7.5-01-01–01. revision 04. Wuxi, China.

- . 2017c. “The Resistance Committee Final Report and Recommendations to the 28th ITTC.” Dalam *Proceedings of 28th ITTC - Vol I*, 1–51. Wuxi: ITTC.
- . 2021a. “ITTC-Recommended Procedures and Guidelines 1978 ITTC Performance Prediction Method.” 7.5-02-03-01.4. revision 05. France, Italy: ITTC.
- . 2021b. “ITTC-Recommended Procedures and Guidelines Calibration of Load Cells.” 7.6-02–09. revision 01. France, Italy.
- . 2021c. “ITTC-Recommended Procedures and Guidelines Propulsion/Bollard Pull Test.” 7.5-02-03-01.1. revision 06. France, Italy.
- . 2021d. “ITTC-Recommended Procedures and Guidelines Resistance Test.” 7.5-02-02–01. revision 05. France, Italy.
- Jawaad Zulqernine, Muhammed, Mohammed Abir Mahdi, dan Soumik Dutta. 2020. “Resistance and Power Prediction of Different Ship Hulls Using Numerical Methods.” Dalam *Department of Naval Architecture and Marine Engineering Bangladesh University of Engineering and Technology*, 1–6. Dhaka-1000, Bangladesh.  
<https://www.researchgate.net/publication/364027428>.
- Kinaci, Omer, dan Deniz Ozturk Sarigul. 2022. “Straight-ahead self-propulsion and turning maneuvers of DTC container ship with direct CFD simulations.” *Ocean Engineering* 244 (Januari):110381.  
<https://doi.org/10.1016/j.oceaneng.2021.110381>.
- Larsson, Lars, Frederick Stern, dan Volker Bertram. 2003. “Benchmarking of Computational Fluid Dynamics for Ship Flows: The Gothenburg 2000 Workshop.” *Journal of Ship Research* 47 (Maret):63–81.  
<https://doi.org/10.5957/jsr.2003.47.1.63>.
- Lazauskas, Leo. 2009. “Resistance and Squat of Surface Combatant DTMB Model 5415: Experiments and Predictions,” Desember.  
<https://api.semanticscholar.org/CorpusID:111345722>.
- Molland, Anthony F., Stephen R. Turnock, dan Dominic A. Hudson. 2011. *Ship Resistance and Propulsion : Practical Estimation of Ship Propulsive Power*. Cambridge University Press.
- Prohaska, C W. 1966. “A simple method for evaluation of the form factor and low speed wave resistance.” Dalam *In Hydro-and Aerodynamics Laboratory, Lyngby, Denmark, Hydrodynamics Section, Proceedings of 11th ITTC*, 65–66. Tokyo, Japan: ITTC’66; Resistance Committee.

- Purnamasari, Dian. 2013. "Kajian Implementasi Prosedur ITTC tentang Pengujian Hambatan Kapal Berdasarkan Sistem Manajemen Mutu ISO/IEC 17025:2008." *Jurnal Wave* 7 (1): 25–30.
- Purnamasari, Dian, AAB Dinariyana, dan Meitha Soetardjo. 2010. "Analisa Ketidakpastian Pengujian Resistance Model Kapal LCT 1000 DWT." *Jurnal Wave, UPT. BPPH – BPPT* 4 (1): 21–28.
- Purnamasari, Dian, I Ketut Aria Pria Utama, dan I Ketut Suastika. 2017. "CFD Simulations to Calculate the Resistance of A 17.500-DWT Tanker." *IPTEK Journal of Proceedings Series* 4 (1): 112–16. <https://doi.org/10.12962/j23546026.y2018i1.3519>.
- Purnamasari, Dian, I Ketut Aria Pria Utama, dan Ketut Suastika. 2018. "Benchmark Study of Ship Model Resistance Test." *Applied Mechanics and Materials* 874 (Januari):114–20. <https://doi.org/10.4028/www.scientific.net/amm.874.114>.
- Putra, Bagas Somporn Supriadi. 2018. "RESUME METODE EVALUASI TAHANAN KAPAL." Surabaya.
- Putra, Zhafir Tri Setiabudi, dan I Ketut Aria Pria Utama. 2020. "Anallisis CFD Hambatan Kapal Katamaran dengan Stepped Melintang." *JURNAL TEKNIK ITS* 9 (2): 1–8.
- Ranzenbach, Robert, Donald L. Blount, dan Inc Associates. 2020. "Froude for Thought Getting Semi-Planing Hull Resistance Right."
- Schuster, Siegfried. 1952. "Untersuchungen über Strömungs- und Widerstandsverhältnisse bei der Fahrt von Schiffen in beschränktem Wasser." Dalam *Jahrbuch der Schiffbautechnischen Gesellschaft*, 46:244–88. Berlin: Springer-Verlag.
- . 1956. "Beitrag zur Frage der Kanalkorrektur bei Modellversuchen." *Schiffstechnik/Ship Technology Research* 3:93–96.
- SIMMAN. 2008. "The planned model tests for the 5415 include PMM tests in deep water, both appended and bare hull, rotating arm tests and free model tests." Workshop on verification and validation of ship manoeuvring simulation method. 16 April 2008. <http://www.simman2008.dk/5415/combatant.html>.
- . 2014. "The planned model tests for the 5415 include PMM tests in deep water, both appended and bare hull, rotating arm tests and free model tests." © Copyright FORCE Technology, Maritime Division - Hjortekærvej 99, DK-2800 Lyngby, Denmark. 2014. <https://simman2014.dk/ship-data/us-navy-combatant/>.

- Stern, Fred, Joe Longo, Moustafa Abdel-Maksoud, dan Toshio Suzuki. 1998. "Evaluation of Surface-Ship Resistance and Propulsion Model-Scale Database for CFD Validation \*." Dalam *Proceedings 1st Symposium on Marine Application of Computational Fluid Dynamics, 19-21 May 1998, McLean, VA*, 1–29.
- Tamura, Kinya. 1972. "Study on the Blockage Correction." *Journal of the Society of Naval Architects of Japan* 1972 (131): 17–28. <https://doi.org/10.2534/jjasnaoe1968.1972.17>.
- Utama, I K A P, Sutiyo, I K Suastika, A Sulisetyono, Hasanudin, Y A Hermawan, dan W D Aryawan. 2021. "Resistance Analysis of Rescue Boat in Calm Water Condition." *IOP Conference Series: Materials Science and Engineering* 1052 (1): 012062. <https://doi.org/10.1088/1757-899X/1052/1/012062>.
- Vettor, R., M. Tadros, M. Ventura, dan C. Guedes Soares. 2018. "Influence of main engine control strategies on fuel consumption and emissions." Dalam *Progress in Maritime Technology and Engineering - Proceedings of the 4th International Conference on Maritime Technology and Engineering, MARTECH 2018*, 157–64. CRC Press/Balkema. <https://doi.org/10.1201/9780429505294-19>.

