

DAFTAR PUSTAKA

- Bouregba F, Belkadi M, Aounallah M, Adjlout L. (2020). “Effect of geometrical features on hydrodynamic performances of the contra-rotating propeller”. *Journal of Naval Architecture and Marine Engineering* Vol 17, pp 129 – 141.
- Carlton JS. (2018). “*Marine propellers and propulsion*”. London City University, UK. Lihat di: <https://www.sciencedirect.com/topics/engineering/propeller-material>
- Christopher JR. (2023). “Grid convergence error analysis for mixed-order numerical schemes”. *American Institute of Aeronautics and Astronautics Journal* Vol 41, pp 595.
- Ghassemi H. (2009). “Hydrodynamic performance of coaxial contra-rotating propeller (CCRP) for large ships”. *Polish Maritime Research Journal* No 1, pp 22 – 28.
- Ghassemi H, Taherinasab M. (2013). “Numerical calculations of the hydrodynamic performance of the contra-rotating propeller (CRP) for high speed vehicle”. *Polish Maritime Research Journal*, pp 13 – 20.
- Ghassemi H, Shademani R. (2009). “Hydrodynamic design of contra-rotating propeller for the ships”. *Journal of Mechanical Research and Application* Vol 1, pp 53 – 58.
- Jukola H, Ronkainen T. (2006). “Contra-rotating propellers – combination of DP capability, fuel economy and environment”. *Dynamic Positioning Conference*.
- Kaewkhaiaw P. (2018). “CFD investigation on steady and unsteady performances of contra-rotating propellers”. *Journal of Naval Architecture and Marine Engineering* Vol 15, pp 91 – 105.
- Koronowicz T, Krzemianowski Z, Tuszkowska T, Szantyr JA. “A complete design of contra-rotating propellers using the new computer system”. *Polish Maritime Research Journal* Vol 17, pp 14 – 24.
- Kravitz E. (2011). “*Analysis and experiment for contra-rotating propeller*”. Master Thesis, Department of Mechanical Engineering, Massachusetts

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ANALISIS EFISIENSI CONTRA ROTATING PROPELLER TERHADAP SINGLE SCREW PROPELLER DENGAN METODE PENDEKATAN COMPUTATIONAL FLUID DYNAMICS

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[www.upnvj.ac.id-www.library.upnvj.ac.id-www.repository.upnvj.ac.id]

Institute of Technology, USA.

- Laskos D. (2010). "Design and cavitation performance of contra-rotating propellers". Master Thesis, Department of Mechanical Engineering, Massachusetts Institute of Technology, USA.
- Lurong X, Dongya H, Decheng W. "Research status and analysis of the ship hydrodynamic energy-saving devices". Shanghai Jiao Tong University, China.
- Miller ML. (1976). "Experimental determination of unsteady forces on contrarotating propellers in uniform flow". National Technical Information Service.
- Min KS, Chang BJ, Seo HW. (2009). "Study on the contra-rotating propeller system design and full-scale performance prediction". International Journal of Naval Architects and Ocean Engineers, pp 29 – 38.
- Nakanishi M, Ikeda T. "A study on performance of contrarotating propellers". The Japan Society of Naval Architects and Ocean Engineers, pp 15 – 25.
- Nishiyama S, Sakamoto T, Fujino R. (1992). "Contrarotating propeller system for large merchant ships". Journal of Recent Progress on Science and Technology IHI Vol 1.
- Panjwani B, Quinsard C, Przemyslaw DG, Furseth J. (2020). "Virtual modelling and testing of the single and contra-rotating co-axial propeller". Drones Journal Vol 4.
- Patrick MK. (2007). "Remarks on Mesh Quality". American Institute of Aeronautics and Astronautics Journal.
- Putra DM. (2018). "Perancangan mekanisme sistem transmisi contra rotating propellers". Bachelor Thesis, Department of Marine Engineering, Institut Teknologi Sepuluh Nopember Surabaya, Indonesia.
- Reddy GK, Sravanthi B. (2019). "*Design and analysis of a propeller blade used for marine engine*". International Journal of Scientific Research in Science, Engineering and Technology Vol 6, pp 440 – 445.
- Sanchez-Caja A, Perez-Sobrino M, Quereda R, Nijland M, Veikonheimo T, Gonzalez-Adalid J, Saisto I, Auriarte A. (2014). "Triple energy saving by use of contra rotating, tip loaded and podded propulsion technology".

Transport Research Arena 2014 Proceedings.

- Shicuan S, Shengsen W, Jiabin C, Desheng F. (2016). "Prediction of hydrodynamic characteristics of combined propellers based on CFD method". Journal of Physics: Conference Series.
- Shimamoto H, Takeda A, Miyake S. (2011). "Tandem hybrid CRP (contra-rotating propeller) system". Journal of JIME Vol 46, pp 327 – 329.
- Simbolon H, Trimulyono A, Rindo G. (2015). "Analisa nilai maksimum thrust propeller b-series dan kaplan series pada kapal tugboat ari 400 hp dengan variasi diameter, jumlah daun, sudut rake menggunakan cfd". Jurnal Teknik Perkapalan Universitas Diponegoro Vol 3, pp 394 – 403.
- Skybrary. "Counter-rotating propellers". Lihat di: <https://www.skybrary.aero/articles/counter-rotating-propellers>
- Storch V, Nozicka J, Brada M. (2017). "Experimental setup for measurement of contra-rotating propellers". Topical problems of fluid mechanics, pp 285 – 294.
- Tadros M, Ventura M, Soares CG. (2022). "Towards fuel consumption reduction based on the optimum contra-rotating propeller". Journal of Marine Science and Engineering Vol 10.
- Takekuma K, Sasajima T, Saki K. (1990). "The development of a contra-rotating propeller system for large ships". Transportation Research Board.
- Van Kluijven PC, Kwakernaak L, Zoetmulder F, Ruigrok M, De Bondt K. "*Contra-rotating propellers*". Maritime Symposium, University of Applied Sciences RMU, Netherland.
- Van Manen JD, Oosterveld MWC. (1969). "Model test on contra-rotating propellers". International Shipbuilding Program Journal, pp 401 – 417.
- Zed, M. (2008). "Metode penelitian kepustakaan". Jakarta: Yayasan Pustaka Obor Indonesia.