

DAFTAR PUSTAKA

- Abida, R. F., Pranowo, W. S., & Kisnarti, E. A. (2013). Identification of Ocean Currents Potential Energy in Lombok Strait Based on Electric Turbine Scenarios. In *International Journal of Science and Research* (Vol. 5). www.ijsr.net
- Arzu, F., Darvishi, H. H., Hashim, R. Bin, Ghazvinei, P. T., & Soeb, M. R. (2017). Numerical investigation on the hydrodynamic performance of variable length blade tidal turbine: An attribute to enhance energy capture. *IET Renewable Power Generation*, 11(3), 347–352. <https://doi.org/10.1049/iet-rpg.2015.0479>
- Bai, G., Li, W., Chang, H., & Li, G. (2016). The effect of tidal current directions on the optimal design and hydrodynamic performance of a three-turbine system. *Renewable Energy*, 94, 48–54. <https://doi.org/10.1016/j.renene.2016.03.009>
- Benelghali, S., Benbouzid, M., Frédéric Charpentier, J., Ben Elghali, S., Member, S., Benbouzid, M., Member, S., & Charpentier, J. (2007). *Marine Tidal Current Electric Power Generation Technology: State of the Art and Current Status*. <https://hal.science/hal-00531255v1>
- Borg, M. G., Xiao, Q., Allsop, S., Incecik, A., & Peyrard, C. (2020). A numerical performance analysis of a ducted, high-solidity tidal turbine. *Renewable Energy*, 159, 663–682. <https://doi.org/10.1016/j.renene.2020.04.005>
- Cao, Y., Tang, X., Wang, J., Wu, Y., & Gaidai, O. (2023). Performance evaluation of a bidirectional horizontal axis tidal turbine with S-shaped blades by the sliced section method. *Journal of Marine Engineering and Technology*. <https://doi.org/10.1080/20464177.2023.2283952>
- Chica, E., Pérez, F., Rubio-Clemente, A., & Agudelo, S. (2015). Design of a hydrokinetic turbine. *WIT Transactions on Ecology and the Environment*, 195, 137–148. <https://doi.org/10.2495/ESUS150121>

- Chowdhury, M. S., Rahman, K. S., Selvanathan, V., Nuthammachot, N., Suklueng, M., Mostafaeipour, A., Habib, A., Akhtaruzzaman, M., Amin, N., & Techato, K. (2021). Current trends and prospects of tidal energy technology. In *Environment, Development and Sustainability* (Vol. 23, Issue 6, pp. 8179–8194). Springer Science and Business Media B.V. <https://doi.org/10.1007/s10668-020-01013-4>
- De Jesus Henriques, T. A., Tedds, S. C., Botsari, A., Najafian, G., Hedges, T. S., Sutcliffe, C. J., Owen, I., & Poole, R. J. (2014). The effects of wave-current interaction on the performance of a model horizontal axis tidal turbine. *International Journal of Marine Energy*, 8, 17–35. <https://doi.org/10.1016/j.ijome.2014.10.002>
- Dorrego-Portela, J. R., Ponce-Martínez, A. E., Pérez-Chaltell, E., Peña-Antonio, J., Mateos-Mendoza, C. A., Robles-Ocampo, J. B., Sevilla-Camacho, P. Y., Aviles, M., & Rodríguez-Reséndiz, J. (2024). Angle Calculus-Based Thrust Force Determination on the Blades of a 10 kW Wind Turbine. *Technologies*, 12(2), 22.
- DUBCHAK, L. (2024). MODERN RENEWABLE ENERGY SOURCES AND METHODS FOR DETECTING THEIR DEFECTS. *Computer Systems and Information Technologies*, 2, 21–26. <https://doi.org/10.31891/csit-2024-2-3>
- Firdaus, A. (2023). *OMAE2023-108028 TIDAL ENERGY IN INDONESIA: OPPORTUNITIES AND CHALLENGES*. <https://www.researchgate.net/publication/372135909>
- Firdaus, A., Houlsby, G. T., Mukhlis, A., #1, F., Houlsby, G. T., Aa, T., & #3, A. (2017). *Opportunities for Tidal Stream Energy in Indonesian Waters*. <https://www.researchgate.net/publication/319880138>
- Goundar, J. N., & Ahmed, M. R. (2013). Design of a horizontal axis tidal current turbine. *Applied Energy*, III, 161–174. <https://doi.org/10.1016/j.apenergy.2013.04.064>

- Grabbe, M., Yuen, K., Apelfröjd, S., & Leijon, M. (2013). Efficiency of a directly driven generator for hydrokinetic energy conversion. *Advances in Mechanical Engineering*, 2013. <https://doi.org/10.1155/2013/978140>
- Gu, J., Liu, R., Wang, Y., & Zhang, J. (2023). The renewable energy: Tidal energy. *Applied and Computational Engineering*, 7(1), 419–437. <https://doi.org/10.54254/2755-2721/7/20230390>
- Li, G., & Zhu, W. (2023). *Tidal Current Energy Harvesting Technologies: A Review of Current Status and Life Cycle Assessment*.
- Li, Y. (2014). On the definition of the power coefficient of tidal current turbines and efficiency of tidal current turbine farms. *Renewable Energy*, 68, 868–875. <https://doi.org/10.1016/j.renene.2013.09.020>
- Li, Y., Karri, N., & Wang, Q. (2014). Three-dimensional numerical analysis on blade response of a vertical-axis tidal current turbine under operational conditions. *Journal of Renewable and Sustainable Energy*, 6(4). <https://doi.org/10.1063/1.4892952>
- Li, Y., Liang, X., Cai, A., Zhang, L., Lin, W., & Ge, M. (2023). Effects of Blade Extension on Power Production and Ultimate Loads of Wind Turbines. *Applied Sciences (Switzerland)*, 13(6). <https://doi.org/10.3390/app13063538>
- McGranahan, B. D., & Selig, M. S. (2004). Aerodynamic tests of six airfoils for use on small wind turbines. *Illinois: University of Illinois at Urbana-Champaign Urbana*.
- Ordonez-Sanchez, S., Allmark, M., Porter, K., Ellis, R., Lloyd, C., Santic, I., O'Doherty, T., & Johnstone, C. (2019). Analysis of a horizontal-axis tidal turbine performance in the presence of regular and irregular waves using two control strategies. *Energies*, 12(3). <https://doi.org/10.3390/en12030367>
- Ordonez-Sanchez, S., Calvillo-Munoz, C., Marino-Tapia, I., Martinez, R., Fu, S., Allmark, M., Mason-Jones, A., O'doherty, T., Silva-Casarín, R., & Johnstone,

- C. (2021). *Tidal stream and ocean current energy - the benefits of harvesting lesser energetic flows.*
- Orhan, K., & Mayerle, R. (2017). Assessment of the tidal stream power potential and impacts of tidal current turbines in the Strait of Larantuka, Indonesia. *Energy Procedia*, 125, 230–239. <https://doi.org/10.1016/j.egypro.2017.08.199>
- Orhan, K., & Mayerle, R. (2020). Potential hydrodynamic impacts and performances of commercial-scale turbine arrays in the strait of Larantuka, Indonesia. *Journal of Marine Science and Engineering*, 8(3). <https://doi.org/10.3390/jmse8030223>
- Shahzad, U. (2012). *ITEE Journal The Need For Renewable Energy Sources*. <http://www.conserve-energy->
- Snodin, H., Gow, G., & Garrad, A. (2001). *SCOTLAND'S RENEWABLE RESOURCE 2001—VOLUME II: CONTEXT*.
- Thomas, K., Grabbe, M., Yuen, K., & Leijon, M. (2008). A low-speed generator for energy conversion from marine currents - Experimental validation of simulations. *Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy*, 222(4), 381–388. <https://doi.org/10.1243/09576509JPE567>
- Vennell, R. (2013). Exceeding the Betz limit with tidal turbines. *Renewable Energy*, 55, 277–285. <https://doi.org/10.1016/j.renene.2012.12.016>
- Xu, K., Finnegan, W., O'Rourke, F., & Goggins, J. (2023). CFD analysis of hydrodynamic force on a horizontal axis tidal turbine. *Proceedings of the European Wave and Tidal Energy Conference*, 15.
- Zhao, G., Yang, R. S., Liu, Y., & Zhao, P. F. (2013). Hydrodynamic performance of a vertical-axis tidal-current turbine with different preset angles of attack. *Journal of Hydrodynamics*, 25(2), 280–287. [https://doi.org/10.1016/S1001-6058\(13\)60364-9](https://doi.org/10.1016/S1001-6058(13)60364-9)

Zhu, F. wei, Ding, L., Huang, B., Bao, M., & Liu, J. T. (2020). Blade design and optimization of a horizontal axis tidal turbine. *Ocean Engineering*, 195.
<https://doi.org/10.1016/j.oceaneng.2019.106652>