

## DAFTAR PUSTAKA

- Allaei, D. (2012). Using CFD to Predict the Performance of Innovative Wind Power Generators. *Proceedings of the 2012 COMCOL Conference in Boston*.
- Allaei, D., & Andreopoulos, Y. (2014). INVELOX: Description of a new concept in wind power and its performance evaluation. *Energy*, 69, 336–344. <https://doi.org/10.1016/j.energy.2014.03.021>
- Assajjad, M. M. (2024). Pengaruh Sudut Diffuser Outlet Terhadap Kinerja yang dihasilkan pada Turbin Hidrokinetik. In *Skripsi Universitas Hasanuddin*. Universitas Hasanuddin.
- Barthelmie, R. J., Shepherd, T. J., Aird, J. A., & Pryor, S. C. (2020). Power and Wind Shear Implications of Large Wind Turbine Scenarios in the US Central Plains. *Energies*, 13(6). <https://doi.org/10.3390/en13164269>
- Brown, E. J., King, A. L., Duvoy, P. X., Trochim, E., Kasper, J. L., Wilson, M. L., & Ravens, T. M. (2023). Site suitability analysis of hydrokinetic river energy resources at community microgrids on the Kuskokwim River, Alaska. *Renewable Energy*, 217. <https://doi.org/10.1016/j.renene.2023.119083>
- Gerhart, P. M., Gerhart, A. L., & Hochstein, J. I. (2016). *Fluid Mechanics Eighth Edition*. [www.Ebook777.com](http://www.Ebook777.com)
- Guner, F., Sevkett Güney, M., & Güler, B. (2018). *Hydrokinetic Technologies and Application*. <https://www.researchgate.net/publication/338338859>
- Hau, E. (2005). *Wind Turbines : Fundamentals, Technologies, Application, Economics*.
- Iqbal, M. R. M. (2023). Pengaruh Variasi Panjang Throat dan Sudut Inlet Duct Terhadap Kinerja yang dihasilkan pada Turbin Hidrokinetik. In *Skripsi Universitas Hasanuddin*. Universitas Hasanuddin.
- Jasak, H., Jemcov, A., Tukovic, Z., Zeljko, ˇ, & Tukovi´c, T. (2013). *OpenFOAM: A C++ library for complex physics simulations*. <https://www.researchgate.net/publication/228879492>
- Johlas, H. M., Schmidt, D. P., & Lackner, M. A. (2022). Large eddy simulations of curled wakes from tilted wind turbines. *Renewable Energy*, 188, 349–360. <https://doi.org/10.1016/j.renene.2022.02.018>
- Kementerian Energi dan Sumber Daya Mineral. (2022a). Laporan Kinerja Ditjen KE Tahun 2022. *Sekretariat Direktorat Jenderal Energi Baru, Terbarukan, Dan Konservasi Energi*.
- Kementerian Energi dan Sumber Daya Mineral. (2022b). Statistik Ketenagalistrikan 2022. *Sekretariat Direktorat Jenderal Ketenagalistrikan*.



- Khan, M. J., Student, G., Iqbal, M. T., & Quaicoe, J. E. (2006). *A Technology Review And Simulation Based Performance Analysis Of River Current Turbine Systems*.
- Kirke, B. (2019). Hydrokinetic and ultra-low head turbines in rivers: A reality check. *Energy for Sustainable Development*, 52, 1–10. <https://doi.org/10.1016/j.esd.2019.06.002>
- Kusakana, K., & Vermaak, H. J. (2013). Hydrokinetic power generation for rural electricity supply: Case of South Africa. *Renewable Energy*, 55, 467–473. <https://doi.org/10.1016/j.renene.2012.12.051>
- Laín, S., Contreras, L. T., & López, O. (2019). A review on computational fluid dynamics modeling and simulation of horizontal axis hydrokinetic turbines. In *Journal of the Brazilian Society of Mechanical Sciences and Engineering* (Vol. 41, Issue 9). Springer Verlag. <https://doi.org/10.1007/s40430-019-1877-6>
- Masoomi, M., Sarlak, H., & Rezanejad, K. (2023). Hydrodynamic performance analysis of a new hybrid wave energy converter system using OpenFOAM. *Energy*, 269. <https://doi.org/10.1016/j.energy.2023.126807>
- Mulyana, C., & Riyandi, D. N. (2019). Model Pengaruh Diameter Pipa Terhadap Pressure Drop Pada Pipa PLTP Dominasi Uap. In *Jurnal Ilmu dan Inovasi Fisika* (Vol. 03, Issue 01).
- Münch-Alligné, C., Schmid, J., Richard, S., Gaspoz, A., Brunner, N., & Hasmatuchi, V. (2018). Experimental assessment of a new kinetic turbine performance for artificial channels. *Water (Switzerland)*, 10(3). <https://doi.org/10.3390/w10030311>
- Nardecchia, F., Groppi, D., Astiaso Garcia, D., Bisegna, F., & de Santoli, L. (2021). A new concept for a mini ducted wind turbine system. *Renewable Energy*, 175, 610–624. <https://doi.org/10.1016/j.renene.2021.04.097>
- Nardecchia, F., Groppi, D., Lilliu, I., Astiaso Garcia, D., & De Santoli, L. (2020). Increasing energy production of a ducted wind turbine system. *Wind Engineering*, 44(6), 560–576. <https://doi.org/10.1177/0309524X19862760>
- Nasrullah, Nofriadi, Nasirwan, Leni, D., & Kusuma, D. S. (2023). Analisis Kinerja Turbin Hidrokinetik Dengan Selubung Diffuser Pada Kondisi Yaw Misalignment Berdasarkan Variasi Kecepatan Aliran Air. *Jurnal Rekayasa Material, Manufaktur Dan Energi*, 6(2). <https://doi.org/10.30596/rmme.v6i2.16190>
- C. M., van Dijk, M., Neary, V. S., & Bhagwan, J. N. (2019). A review of hydrokinetic turbines and enhancement techniques for canal installations:



Technology, applicability and potential. In *Renewable and Sustainable Energy Reviews* (Vol. 113). Elsevier Ltd.  
<https://doi.org/10.1016/j.rser.2019.06.047>

Parker, J. Wm. (1992). 30 Doradus in the Large Magellanic Cloud: The Stellar Content and Initial Mass Function. *Publications of the Astronomical Society of the Pacific*, 104, 1107. <https://doi.org/10.1086/133097>

Patel, V., Eldho, T. I., & Prabhu, S. V. (2019). Velocity and performance correction methodology for hydrokinetic turbines experimented with different geometry of the channel. *Renewable Energy*, 131, 1300–1317.  
<https://doi.org/10.1016/j.renene.2018.08.027>

Peraturan Presiden Republik Indonesia Nomor 22 Tahun 2017 Tentang Rencana Umum Energi Nasional (RUEN) (2017).

Piancastelli, L., Clarke, R. V., & Cassani, S. (2017). *Diffuser Augmentedrun The River And Tidal Pico-Hydropower Generation System*. 12(8).  
[www.arpnjournals.com](http://www.arpnjournals.com)

Rendi, & Arifin, J. (2019). Desain Diffuser Turbin Air Arus Sungai Untuk Meningkatkan Laju Arus Sungai. *Jurnal Teknik Mesin UNISKA*, 4.

Rezek, T. J., Camacho, R. G. R., Filho, N. M., & Limacher, E. J. (2021). Design of a Hydrokinetic Turbine Diffuser Based on Optimization and Computational Fluid Dynamics. *Applied Ocean Research*, 107.  
<https://doi.org/10.1016/j.apor.2020.102484>

Robertson, E., Choudhury, V., Bhushan, S., & Walters, D. K. (2015). Validation of OpenFOAM numerical methods and turbulence models for incompressible bluff body flows. *Computers and Fluids*, 123, 122–145.  
<https://doi.org/10.1016/j.compfluid.2015.09.010>

Salim, J. A. (2023). *Pengaruh Variasi Panjang Pengarah Aliran Masuk Terhadap Kinerja Pembangkit Hidrokinetik*. Universitas Hasanuddin.

Schleicher, W., Riglin, J., & Oztekin, A. (2013). *Design and Simulation of a Micro Hydrokinetic Turbine*. <https://www.researchgate.net/publication/262727842>

Shahsavari, M., Bibeau, E. L., & Chatoorgoon, V. (2015). Effect of shroud on the performance of horizontal axis hydrokinetic turbines. *Ocean Engineering*, 96, 215–225. <https://doi.org/10.1016/j.oceaneng.2014.12.006>



Sierra-Rio, J., & Hincapié-Zuluaga, D. (2018). A numerical simulation of zontal axis hydrokinetic turbine with and without augmented diffuser. In *INTERNATIONAL JOURNAL of RENEWABLE ENERGY RESEARCH C*.

*Cardona-Mancilla et al* (Vol. 8, Issue 4).

<https://www.researchgate.net/publication/330224658>

Song, K., Wang, W. Q., & Yan, Y. (2019). Numerical and experimental analysis of a diffuser-augmented micro-hydro turbine. *Ocean Engineering*, 171, 590–602. <https://doi.org/10.1016/j.oceaneng.2018.12.028>

Suthagar, S., Kumaran, T., Gowtham, G., Maridurai, T., Sathish, T., & Deivanayagi, S. (2020). Computational analysis of INVELOX wind turbine to analyze the venturi velocity by change the parameter of diffuser. *Materials Today: Proceedings*, 46, 4245–4249. <https://doi.org/10.1016/j.matpr.2021.03.049>

Vasabri Genta Maulana, E., Wayan Sukerayasa, I., & Gede Indra Partha, C. (n.d.). *Juni 2021 Edyama Vasabri Genta Maulana* (Vol. 8, Issue 2).

Wang, X., Yan, Y., Wang, W. Q., & Hu, Z. P. (2023). Evaluating energy loss with the entropy production theory: A case study of a micro horizontal axis river ducted turbine. *Energy Conversion and Management*, 276. <https://doi.org/10.1016/j.enconman.2022.116553>

