

DAFTAR PUSTAKA

- Ajao, K. R. and Adeniyi, J. S. O. (2009) ‘Comparison of Theoretical and Experimental Power output of Small 3-bladed Horizontal-axis Wind Turbine’, *Journal of American Science*, 5(4), pp. 79–90.
- Akwa, J. V., Vielmo, H. A. and Petry, A. P. (2012) ‘A review on the performance of Savonius wind turbines’, *Renewable and Sustainable Energy Reviews*, pp. 3054–3064.
- Al-Faruk, A., Procedia, A. S.-E. and 2017, undefined (2017) ‘Flow field and performance study of vertical axis Savonius type SST wind turbine’, *Elsevier*.
- Alam, M. et al. (1998) ‘Urban household energy use in India: efficiency and policy implications’, *Elsevier*.
- Alit, I. B., Nurchayati, N. and Pamuji, S. H. (2016) ‘Turbin angin poros vertikal tipe Savonius bertingkat dengan variasi posisi sudut’, *Dinamika Teknik Mesin*, 6(2).
- Alom, N. et al. (2016) ‘Aerodynamic design optimization of elliptical-bladed savonius-style wind turbine by numerical simulations’, in *International Conference on Offshore Mechanics and Arctic Engineering*. American Society of Mechanical Engineers, p. V006T09A009.
- Ameri, A. (2019) ‘Improving the Numerical Stability of Higher Order Methods with Applications to Fluid Dynamics’. McGill University.
- Damak, A., Driss, Z. and Abid, M. S. (2013) ‘Experimental investigation of helical Savonius rotor with a twist of 180°’, *Renewable Energy*, 52, pp. 136–142.
- Deisadze, L. et al. (2013) ‘Vertical Axis Wind Turbine Evaluation and Design’, *researchgate.net*.

- Dragomirescu, A. (2011) ‘Performance assessment of a small wind turbine with crossflow runner by numerical simulations’, *Renewable energy*, 36(3), pp. 957–965.
- Driss, Z. *et al.* (2014) ‘Numerical simulation and experimental validation of the turbulent flow around a small incurved Savonius wind rotor’, *Energy*, 74, pp. 506–517.
- Eriksson, S., Bernhoff, H. and Leijon, M. (2008) ‘Evaluation of different turbine concepts for wind power’, *renewable and sustainable energy reviews*, 12(5), pp. 1419–1434.
- Eymard, R., Gallouët, T. and Ele Herbin, R. (1997) *Finite Volume Methods*, P.G. Ciarlet, J.L. Lions eds.
- Falkovich, G. (2011) *Fluid mechanics: A short course for physicists*. Cambridge University Press.
- Harsan, D. A. (2020) ‘Optimasi Daya Output Dengan Pendekatan Variasi Jarak Overlap Sudu Pada Turbin Savonius Elliptical-Bladed Menggunakan Computational Fluid Dynamics’.
- Hasan, O. D. S., Hantoro, R. and Nugroho, G. (2013) ‘Studi eksperimental vertical axis wind turbine tipe savonius dengan variasi jumlah fin pada sudu’, *Jurnal Teknik ITS*, 2(2), pp. B350–B355.
- Hau, E. (2013) *Wind turbines: fundamentals, technologies, application, economics*. Springer Science & Business Media.
- Jeon, K. S. *et al.* (2015) ‘Effects of end plates with various shapes and sizes on helical Savonius wind turbines’, *Renewable Energy*, 79(1), pp. 167–176. doi: 10.1016/j.renene.2014.11.035.
- Kalmikov, A. (2017) ‘Wind power fundamentals’, in *Wind Energy Engineering*. Elsevier, pp. 17–24.

- Kamoji, M. A., Kedare, S. B. and Prabhu, S. V. (2009) ‘Performance tests on helical Savonius rotors’, *Renewable Energy*, 34(3), pp. 521–529. doi: 10.1016/j.renene.2008.06.002.
- Kothe, L. B., Möller, S. V. and Petry, A. P. (2020) ‘Numerical and experimental study of a helical Savonius wind turbine and a comparison with a two-stage Savonius turbine’, *Renewable Energy*, 148, pp. 627–638.
- Kumbernuss, J. *et al.* (2012) ‘Investigation into the relationship of the overlap ratio and shift angle of double stage three bladed vertical axis wind turbine (VAWT)’, *Journal of Wind Engineering and Industrial Aerodynamics*, 107–108, pp. 57–75. doi: 10.1016/j.jweia.2012.03.021.
- Letcher, T. M. (2017) *Wind energy engineering: A handbook for onshore and offshore wind turbines*. Academic Press.
- Mohamed, M. H. *et al.* (2011) ‘Optimal blade shape of a modified Savonius turbine using an obstacle shielding the returning blade’, *Energy Conversion and Management*, 52(1), pp. 236–242.
- Pranta, M. H., Rabbi, M. S. and Roshid, M. M. (2021) ‘A computational study on the aerodynamic performance of modified savonius wind turbine’, *Results in Engineering*, p. 100237.
- Rodrigue, J.-P., Comtois, C. and Slack, B. (2016) *The geography of transport systems*. Routledge.
- Rosato, M. A. (2019) *Small Wind Turbines for Electricity and Irrigation: Design and Construction*.
- Roy, S. and Saha, U. K. (2013) ‘Investigations on the effect of aspect ratio into the performance of Savonius rotors’, in *Gas Turbine India Conference*. American Society of Mechanical Engineers, p. V001T07A002.
- Saeed, H. A. H., Elmekawy, A. M. N. and Kassab, S. Z. (2019) ‘Numerical study of improving Savonius turbine power coefficient by various blade shapes’,

Alexandria Engineering Journal, 58(2), pp. 429–441.

Versteeg, H. K. and Malalasekera, W. (2007) *An Introduction to Computational Fluid Dynamics Second Edition*.

Wicaksono, Y. A. (2020) ‘Studi Numerik: Pengaruh Omni-Directional Guide Vane (ODGV) Terhadap Efisiensi Turbin Angin Savonius Konvensional’, *Jurnal Rekayasa Mesin*, 15(2), pp. 82–88.

Zemamou, M. *et al.* (2017) ‘Review of savonius wind turbine design and performance’, *Elsevier*.