



DAFTAR PUSTAKA

- [1] DESDM, "Blueprint Pengelolaan Energi 2006 -2025," Jakarta, 2006.
- [2] T. Yukio, S. Kenichi, S. Atsushi, I. Yoshiharu, F. Kunio, I. Ryukichi, H. Kazuki, "Simultaneous measurements of wind speed profiles at two sites using Doppler sodars," *J. Wind Eng. Ind. Aerodyn.* 89 (2001) 325–335.
- [3] G. Mamatha, "Perturb and Observe MPPT Algorithm Implementation for PV Applications," *IJCSIT*, vol. 6, no. 2, pp. 1884–1887, 2015.
- [4] R. F. Coelho, F. M. Concer, and D. C. Martins, "A MPPT approach based on temperature measurements applied in PV systems," *2010 IEEE Int. Conf. Sustain. Energy Technol. ICSET 2010*, 2010.
- [5] R. P. Eviningsih, R. I. Putri, M. Pujiantara, A. Priyadi, M. H. Purnomo, "Controlled Bidirectional Converter using PID for Charging Battery in The Standalone Wind Turbine System with Modified P&O to Obtain MPPT," *2017 IEEE International Conference on Green Energy and Applications*.
- [6] K. Saidi, "Simulation and analysis of variable step size P&O MPPT algorithm for photovoltaic power control," *IEEE*, 2017.
- [7] A. Manmohan, A. Prasad, S. P. Karthikeyan, I. J. Raglend, "An Efficient DC Grid Based PV-Wind Power Generation Using Modified P&O Tracking Technique," *International Conference on Innovations in Power and Advanced Computing Technologies, IEEE*, 2017.
- [8] X. Serrano-guerrero, G. Escrivá-escrivá, and X. Cárdenas-caranguí, "Improved Variable Step Size P & O MPPT Algorithm for PV Systems," *IEEE*, no. 1, 2016.
- [9] Manwell J.F., McGowan J.G., Rogers A.L., "Wind Energy Explained : Theory Design and Application," University of Massachusetts. John&Willey Ltd., 2002.
- [10] Daryanto Y., "Kajian Potensi Angin untuk Pembangkit Listrik Tenaga Bayu," Balai PPTAGG-UPT-LAGG, 5 April 2007.
- [11] P. Ungu, "Pengembangan Simulasi dan Uji Kinerja Pengendali PI Sistem Kendali Daya pada Pembangkit Listrik Tenaga Bayu," Universitas Indonesia, 2010.
- [12] P. Rendi, "Wind Turbine Design"
https://www.academia.edu/22571682/Wind_turbine_design (diakses pada tanggal 25 Maret 2017)
- [13] A. Thomas, "Wind Power in Power Systems," Royal Institute of Technology Stockholm, John&Willey Ltd., 2005.



- [14] Satu Energi, "Jenis-jenis Turbin Angin serta Kelebihan dan Kekurangannya," <http://www.satuenergi.com/2015/10/jenis-jenis-turbin-angin-serta.html> (diakses pada 25 Maret 2017).
- [15] Munteanu I., Bractu I.A., Cutululis A.N., Ceang E., "Optimal Control of wind energy systems : Towards a Global Approach," Springer-Verlag London Limited, 2008.
- [16] J. M. G. a. F. B. Zhe Chen, "A Review of the State of the Art of Power Electronics for Wind Turbines," p. 17, 2009.
- [17] [Online]. Available: <http://www.dongrays.com/burningman2008/windbasics.html>. [Accessed 11 November 2018].
- [18] D. R. M., "Optimasi Sistem Pembangkit Listrik Tenaga Angin Menggunakan Maximum Power Point Tracker (MPPT) dengan Metode Gradient Approximation," 2011.
- [19] Daryanto Y., "Kajian Potensi Angin untuk Pembangkit Listrik Tenaga Bayu," Balai PPTAGG-UPT-LAGG, 5 April 2007.
- [20] Indone5ia, "Wind Farm (3) : Sistem Turbin Angin," <https://indone5ia.wordpress.com/2012/01/13/wind-farm-3-sistem-turbin-angin/> (diakses pada 25 Maret 2017).
- [21] Alpen Steel, "Pembangkit Listrik Tenaga Bayu / Angin (PLTB)," <http://www.alpensteel.com/article/116-103-energi-angin--wind-turbine--wind-mill/554-pembangkit-listrik-tenaga-bayu-angin-pltb> (diakses pada 25 Maret 2017).
- [22] [Online]. Available: <http://nptel.ac.in/courses/112103174/module4/lec1/4.html>. [Accessed 21 December 2017].
- [23] C.-Y. Hsiao, S.-N. Yeh and J.-C. Hwang, "Design of High Performance Permanent-Magnet Synchronous Wind Generators," 2014.
- [24] N. Madani, "Design of a Permanent Magnet Synchronous Generator for a Vertical Axis Wind Turbine," Stockholm, 2011.
- [25] R. Kumar, "Study of Permanent Magnent Synchronous Macnine," 2014.
- [26] Siswoyo, "Teknik Listrik Industri Jilid 3", Hal. 10-18, 2008.
- [27] Understanding Boost Power Stages in Switch Mode," Texas Instruments, 1999.



- [28] I. Sefa and Ş. Özdemir, "Experimental study of interleaved MPPT converter for PV systems," in *IECON Proceedings (Industrial Electronics Conference)*, 2009, pp. 456–461.
- [29] L. Bouselham, "Comparative Study of Different MPPT Methods for Photovoltaic System," *IEEE*, vol. 32, 2009.
- [30] V. R. Kota and M. Ieee, "A Simple and Efficient MPPT Scheme for PV 58 Module Using 2-Dimensional Lookup Table," *IEEE*, pp. 2–8, 2016.
- [31] J. J. Nedumgatt, K. B. Jayakrishnan, S. Umashankar, D. Vijayakumar, and D. P. Kothari, "Perturb and observe MPPT algorithm for solar PV systems-modeling and simulation," in *Proceedings - 2011 Annual IEEE India Conference: Engineering Sustainable Solutions, INDICON-2011*, 2011, vol. 19, no. 1.
- [32] G. Mamatha, "Perturb and Observe MPPT Algorithm Implementation for PV Applications," *IJCSIT*, vol. 6, no. 2, pp. 1884–1887, 2015.
- [33] Hidayatullah, N. Asyik., Ningrum, H. N. Kumala, "Optimalisasi Daya Pembangkit Listrik Tenaga Angin Turbin Sumbu Horizontal dengan Menggunakan Metode *Maximum Power Point Tracker*". Politeknik Negeri Madiun, 2016.
- [34] D. Zammit, C. S. Staines, A. Micallae, M. Apap, J. Licari, "Incremental Current Based MPPT for a PMSG Micro Wind Turbine in a Grid-Connected DC Microgrid," *9th International Conference on Applied Energy, ICAE2017*, 2017.
- [35] Y. Jiang, M. F. Rong and L. Y. Hua, "Variable speed constant frequency tidal current energy generation and control strategy for maximum power point tracking and grid connection," 2009.
- [36] J. M. G. a. F. B. Zhe Chen, "A Review of the State of the Art of Power Electronics for Wind Turbines," p. 17, 2009.
- [37] A. Urtasun, P. Sanchis and L. Marroyo, "Small Wind Turbine Sensorless MPPT: Robustness Analysis and Lossless Approach," *IEEE Transactions on Industry Applications*, vol. 50, no. 6, pp. 4113-4121, 2014.
- [38] Basic Calculation of a Boost Converter's Power Stage, Texas Instrument, 2014.
- [39] D. Zhou dan T. Franke, "Comparison of Wind Power Converter Reliability With Low-Speed and Medium-Speed Permanent-Magnet Synchronous Generators," *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, vol. 62, no. 10, 2015.
- [40] D. W. Hart, *Power Electronics*, New York: The McGraw-Hill Companies, Inc, 2011.



- [41] Y. M. Kolewora, “Modifikasi Variabel Step Size MPPT dari Algoritma P&O pada Interleaved Flyback 250W,” Universitas Gadjah Mada, 2018.