

## DAFTAR PUSTAKA

- [1] ESDM, 2006, Blue Print Pengelolaan Energi Nasional 2006- 2025, Kementerian ESDM.
- [2] Trishan E., C. P. Comparison of Photovoltaic Array Maximum Power Point Trackin Techniques. *35th Annual IEEE Power Electron .2007.*
- [3] Musththafa,R.D. Optimasi Sistem Pembangkit Listrik Tenaga Angin Menggunakan Maximum Power Point Tracker (MPPT) dengan Metode Gradient Approximation. Teknik Elektro. ITS. 2007
- [4] Effendy,M. Peningkatan Efisiensi Pembangkit Listrik Tenaga Bayu denagn Metode maximum Power Point Tracking Memakai DC-DC Converter Berbasis Fuzzy Logic.Teknik Elektro. Universitas Muhammadiyah Malang. 2014.
- [5] Daud,P.K. Optimasi Pembangkit Listrik Tenaga Angin Mengginakan Maximum Power Point Tracking (MPPT) Dengan Metode Particle Swarm Optimazation. Teknik Elektro Univesitas Gajah Mada. 2016.
- [6] Manwell J.F., MCGowan J.G., Rogers A.L. Wind Energy Explained: Theory Design and Application. University of Massachusetts. John&Willey Ltd. 2002.
- [7] Primadusi,U. Pengembangan Simulasi dan Uji Kinerja pengendali PI Sistem Kendali Daya pada pembbangkit Listrik Tenaga Bayu. Departemen teknik Elektro. Universitas Indonesia. 2010.
- [8] Wei,T. "Wind Power Generation and Wind Turbine Design", First Edition, WIT Press. Southampton, UK. 2010
- [9] 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.
- [10] A.Perdana,O. Carlson,J.Persson: Dynamic Response of Grid-Connected Wind Turbine with Doubly Fed Induction Generator during Distribubances. Workshopon Powerrand Industrial Electronics.Trondheim.2004
- [11] Siswoyo. 2008. Teknik Listrik Industri Jilid 3.
- [12] Perdana,P.N."DC ChopperTipe Buck(Buck Konverter)".14 Agustus- 2016.<https://jendeladenngabei.blogspot.co.id/2012/11/dc-chopper-tipe-buck-buck-converter>
- [13] Perdana,P.N."DC ChopperTipe Boost(Boost Konverter)".14 Agustus- 2016.<https://jendeladenngabei.blogspot.co.id/2012/12/dc-chopper-tipe-boost-boost-converter>.
- [14] Sutrisna,K.F."Sekilas Mengenai Konverter DC-DC". 14 Agustus 2016.<https://indone5ia.wordpress.com/2011/09/02/sekilas-mengenai-konverter-dc-dc>
- [15] Slamet."bahan bacaan tentang baterai" 20 September 2016. <https://slametumy.wordpress.com/2014/05/07/bahan-bacaan-tentang-baterai>

- [16] Neammanee,B., Chatratana,S. *Maximum Peak Power Point Tracking Control for the new Small Twisted H-Rotor Wind Turbine*. King Mongkut's Institute of Technology North Bangkok.
- [17] P. Midya, P. T. Krein, R. J. Turnbull, R. Reppa, and J. Kimball. 1996. “*Dynamic maximum power point tracker for photovoltaic applications*”. 27th Annual IEEE Power Electronics Specialists Conference.
- [18] Sianipar, R.H. .2015. “SIMULINK MATLAB , Belajar dari contoh,”
- [19] Y-S.Kim, I-Y. Chung and S.-I Moon. “*Tuning of the PI Controller Parameters of a PMSG wind turbine to improve control performance under various wind speeds*”. energies 2015.
- [20] Rashid,M. 2007. “*Power Electronic Handbook, Devices, Circuits, and Application*”, Imprint of Elsevier.
- [21] Osayd,B. “*Design of a maximum power point tracking System for wind turbine Dataset*” . University of Sharjah. 2013.
- [22] THESIS “Intelligent Maximum Power Tracking and Inverter Hysteresis Current Control of Grid-connected PV Systems” .IEE. 2012
- [23] Rusminto,T.W., Rugiarto, Asmuniv, Purnomo,S. “*Maximum Power Point Tracker Sel Surya Menggunakan Algoritma Perturb and Observe*” Politeknik Elektronika Negeri Surabaya-ITS.
- [24] Syahputra, R., Soesanti, I. (2016). DFIG Control Scheme of Wind Power Using ANFIS Method in Electrical Power Grid System. International Journal of Applied Engineering Research (IJAER), 11(7), pp. 5256-5262.
- [25] Syahputra, R., Soesanti, I. (2016). Design of Automatic Electric Batik Stove for Batik Industry. Journal of Theoretical and Applied Information Technology (JATIT), 87(1), pp. 167-175.
- [26] Syahputra, R. (2016). Application of Neuro-Fuzzy Method for Prediction of Vehicle Fuel Consumption. Journal of Theoretical and Applied Information Technology (JATIT), 86(1), pp. 138-149.
- [27] Syahputra, R., (2016), “Transmisi dan Distribusi Tenaga Listrik”, LP3M UMY, Yogyakarta, 2016.
- [28] Syahputra, R., (2015), “Teknologi dan Aplikasi Elektromagnetik”, LP3M UMY, Yogyakarta, 2016.
- [29] Syahputra, R., Robandi, I., Ashari, M. (2015). Performance Improvement of Radial Distribution Network with Distributed Generation Integration Using Extended Particle Swarm Optimization Algorithm. International Review of Electrical Engineering (IREE), 10(2). pp. 293-304.
- [30] Syahputra, R., Robandi, I., Ashari, M. (2015). Reconfiguration of Distribution Network with DER Integration Using PSO Algorithm. TELKOMNIKA, 13(3). pp. 759-766.
- [31] Syahputra, R., Robandi, I., Ashari, M. (2015). PSO Based Multi-objective Optimization for Reconfiguration of Radial Distribution Network. International Journal of Applied Engineering Research (IJAER), 10(6), pp. 14573-14586.
- [32] Syahputra, R. (2015). Simulasi Pengendalian Temperatur Pada Heat Exchanger Menggunakan Teknik Neuro-Fuzzy Adaptif. Jurnal Teknologi, 8(2), pp. 161-168.

- [33] Syahputra, R., (2012), "Distributed Generation: State of the Arts dalam Penyediaan Energi Listrik", LP3M UMY, Yogyakarta, 2012.
- [34] Syahputra, R., Robandi, I., Ashari, M. (2014). Optimization of Distribution Network Configuration with Integration of Distributed Energy Resources Using Extended Fuzzy Multi-objective Method. International Review of Electrical Engineering (IREE), 9(3), pp. 629-639.
- [35] Syahputra, R., Robandi, I., Ashari, M. (2014). Performance Analysis of Wind Turbine as a Distributed Generation Unit in Distribution System. International Journal of Computer Science & Information Technology (IJCSIT), Vol. 6, No. 3, pp. 39-56.
- [36] Syahputra, R., Robandi, I., Ashari, M., (2014), "Distribution Network Efficiency Improvement Based on Fuzzy Multi-objective Method". IPTEK Journal of Proceedings Series. 2014; 1(1): pp. 224-229.
- [37] Syahputra, R., (2013), "A Neuro-Fuzzy Approach For the Fault Location Estimation of Unynchronized Two-Terminal Transmission Lines", International Journal of Computer Science & Information Technology (IJCSIT), Vol. 5, No. 1, pp. 23-37.
- [38] Syahputra, R., (2012), "Fuzzy Multi-Objective Approach for the Improvement of Distribution Network Efficiency by Considering DG", International Journal of Computer Science & Information Technology (IJCSIT), Vol. 4, No. 2, pp. 57-68.
- [39] Syahputra, R., Soesanti, I. (2015). "Control of Synchronous Generator in Wind Power Systems Using Neuro-Fuzzy Approach", Proceeding of International Conference on Vocational Education and Electrical Engineering (ICVEE) 2015, UNESA Surabaya, pp. 187-193.
- [40] Syahputra, R., Robandi, I., Ashari, M. (2014). "Optimal Distribution Network Reconfiguration with Penetration of Distributed Energy Resources", Proceeding of 2014 1st International Conference on Information Technology, Computer, and Electrical Engineering (ICITACEE) 2014, UNDIP Semarang, pp. 388 - 393.
- [41] Syahputra, R., Robandi, I., Ashari, M., (2013), "Distribution Network Efficiency Improvement Based on Fuzzy Multi-objective Method". International Seminar on Applied Technology, Science and Arts (APTECS). 2013; pp. 224-229.
- [42] Syahputra, R., Robandi, I., Ashari, M., (2012), "Reconfiguration of Distribution Network with DG Using Fuzzy Multi-objective Method", International Conference on Innovation, Management and Technology Research (ICIMTR), May 21-22, 2012, Melacca, Malaysia.
- [43] Syahputra, R. (2010). Fault Distance Estimation of Two-Terminal Transmission Lines. Proceedings of International Seminar on Applied Technology, Science, and Arts (2nd APTECS), Surabaya, 21-22 Dec. 2010, pp. 419-423.
- [44] Syahputra, R., (2015), "Teknologi dan Aplikasi Elektromagnetik", LP3M UMY, Yogyakarta, 2016.

- [45] Syahputra, R., (2014), “Estimasi Lokasi Gangguan Hubung Singkat pada Saluran Transmisi Tenaga Listrik”, Jurnal Ilmiah Semesta Teknika Vol. 17, No. 2, pp. 106-115, Nov 2014.
- [46] Syahputra, R., Robandi, I., Ashari, M., (2011), “Modeling and Simulation of Wind Energy Conversion System in Distributed Generation Units”. International Seminar on Applied Technology, Science and Arts (APTECS). 2011; pp. 290-296.
- [47] Syahputra, R., Robandi, I., Ashari, M., (2011), “Control of Doubly-Fed Induction Generator in Distributed Generation Units Using Adaptive Neuro-Fuzzy Approach”. International Seminar on Applied Technology, Science and Arts (APTECS). 2011; pp. 493-501.
- [48] Syahputra, R., Soesanti, I. (2015). Power System Stabilizer model based on Fuzzy-PSO for improving power system stability. 2015 International Conference on Advanced Mechatronics, Intelligent Manufacture, and Industrial Automation (ICAMIMIA), Surabaya, 15-17 Oct. 2015 pp. 121 - 126.