



DAFTAR PUSTAKA

- [1] Ni Putu Eka Wiratmini, “Industri Menengah Topang Penjualan Listrik PLN pada Sektor Industri,” 2019. <https://ekonomi.bisnis.com/read/20190716/44/1124832/industri-menengah-topang-penjualan-listrik-pln-pada-sektor-industri> (accessed Apr. 13, 2020).
- [2] W. L. Ahlgren, “The Dual-Fuel Strategy: An Energy Transition Plan,” *Proc. IEEE*, vol. 100, no. 11, pp. 3001–3052, 2012, doi: 10.1109/JPROC.2012.2192469.
- [3] BPPT, *Indonesia Energy Outlook 2020 - Special Edition Dampak Pandemi COVID-19 terhadap Sektor Energi di Indonesia*. 2020.
- [4] N.N, “Experts See 100% RE Feasible and Realistic,” *global100re*, 2017. <http://www.global100re.org/index.php/2017/03/03/experts-see-100-re-feasible-and-realistic/> (accessed Apr. 13, 2020).
- [5] N.N, “15 Kawasan Industri Butuh 11.064 MW,” *Kementerian Industri Republik Indonesia*, 2015. <https://kemenperin.go.id/artikel/10972/15-Kawasan-Industri-Butuh-11.064-MW> (accessed Apr. 13, 2020).
- [6] Kementerian Energi dan Sumber Daya Mineral RI, “Potensi Energi Baru Terbarukan (EBT) Indonesia,” *ESDM*, 2008. <https://www.esdm.go.id/id/media-center/arsip-berita/potensi-energi-baru-terbarukan-ebt-indonesia> (accessed Apr. 13, 2020).
- [7] Peraturan Presiden RI, *Perpres No. 22 Tahun 2017 Tentang Rencana Umum Energi Nasional*. Republic Indonesia: Peraturan Presiden, 2017, p. 6.
- [8] K. M. E. dan S. D. M. RI, *Rencana Umum Ketenagalistrikan Nasional 2019 - 2038*. Indonesia: Keputusan Menteri Energi dan Sumber Daya Mineral RI, 2019, p. 91.
- [9] T. I. Suharjono, “Studi Pemanfaatan Bersama Jaringan Transmisi pada Sistem Transmisi 150 KV dan 500 KV Jawa-Bali,” Gadjah Mada University, 2015.
- [10] T. I. Suharjono, “Perhitungan Biaya Sewa Jaringan Distribusi pada Renewable Portfolio Standard Menggunakan Metode MVA-KM,” *JNTETI*, vol. 4, No 3, p. 2, 2015.
- [11] Hermawan and T. Andromeda, “Comparison of cost estimation methods in power wheeling for Java-Bali interconnection system,” *Proc. - 2017 4th Int. Conf. Inf. Technol. Comput. Electr. Eng. ICITACEE 2017*, vol. 2018-Janua, pp. 127–130, 2017, doi: 10.1109/ICITACEE.2017.8257689.
- [12] W. J. Lee, “Wheeling charge under a deregulated environment,” *IEEE Trans. Ind. Appl.*, vol. 37, no. 1, pp. 178–183, 2001, doi: 10.1109/28.903144.
- [13] S. Mukherjee, R. Chakraborty, and S. K. Goswami, “Economic Generation Scheduling in Microgrid with Pumped-Hydro Unit using Particle Swarm Optimization,” *Proc. 2015 IEEE Int. Conf. Electr. Comput. Commun. Technol. ICECCT 2015*, 2015, doi: 10.1109/ICECCT.2015.7225993.



- [14] M. S. Kang, C. S. Chen, Y. L. Ke, C. H. Lin, and C. W. Huang, "Load profile synthesis and wind-power-generation prediction for an isolated power system," *IEEE Trans. Ind. Appl.*, vol. 43, no. 6, pp. 1459–1464, 2007, doi: 10.1109/TIA.2007.908208.
- [15] N. M. Ijumba, C. W. Wekesah, and P. O. Box, "Sources I N Rural Electrification," pp. 720–723, 1996.
- [16] J. G. Priolkar and S. Doolla, "Analysis of PV-hydro isolated power systems," *2013 Annu. IEEE India Conf. INDICON 2013*, 2013, doi: 10.1109/INDCON.2013.6725890.
- [17] V. P. Chandran, S. Murshid, and B. Singh, "Voltage and Frequency Control with Load Levelling of PMSG Based Small-Hydro System," *India Int. Conf. Power Electron. IICPE*, vol. 2018-Decem, 2018, doi: 10.1109/IICPE.2018.8709475.
- [18] R. R. Kundankar and P. K. Katti, "Hybrid Energy System for Remote and Rural Villages," *2018 Int. Conf. Power Energy, Environ. Intell. Control. PEEIC 2018*, no. 2, pp. 619–622, 2019, doi: 10.1109/PEEIC.2018.8665472.
- [19] V. P. Chandran, S. Murshid, and B. Singh, "Voltage and Frequency Controller with Power Quality Improvement for PMSG Based Pico-Hydro System," *Proc. 2018 IEEE Int. Conf. Power Electron. Drives Energy Syst. PEDES 2018*, 2018, doi: 10.1109/PEDES.2018.8707810.
- [20] J. Zhao, N. Chen, C. Chen, Y. Cui, and H. Ma, "Modeling and simulation of micro-grid based on small-hydro," *POWERCON 2014 - 2014 Int. Conf. Power Syst. Technol. Towar. Green, Effic. Smart Power Syst. Proc.*, no. Powercon, pp. 3257–3264, 2014, doi: 10.1109/POWERCON.2014.6993812.
- [21] N. Julai and Y. M. Yonis Buswig, "Hybrid Renewable System based Pumped Energy Storage for the Electrification of Rural Areas," *2020 13th Int. UNIMAS Eng. Conf. EnCon 2020*, 2020, doi: 10.1109/EnCon51501.2020.9299334.
- [22] L. Gumilar, A. N. Afandi, M. A. Habibi, A. Kusumawardana, M. Jiono, and S. N. Mustika, "Application of Load Shifting Methode Using Pump Storage for Saving Cost Production of Electrical Energy in Java-Bali 500 KV Electrical Power System".
- [23] A. Tomar and S. Mishra, "PV Energy Benefit Estimation Formulation for PV Water Pumping System," *2017 4th IEEE Uttar Pradesh Sect. Int. Conf. Electr. Comput. Electron. UPCON 2017*, pp. 44–48, 2017, doi: 10.1109/UPCON.2017.8251020.
- [24] E. Nobile, G. Sari, and A. Schwery, "Variable Speed Hydro Pumped Storage as Flexible Enabler of Intermittent Renewable Penetration," *IEEE Power Energy Soc. Gen. Meet.*, vol. 2018-Augus, 2018, doi: 10.1109/PESGM.2018.8586238.
- [25] R. Fatchurrahman and A. B. Zakaria, "Study of Determining Cost Compensation of Power Wheeling Transaction on Composite System Reliability by Optimal Power Flow," *2019 Int. Conf. Technol. Policies Electr. Power Energy, TPEPE 2019*, no. H1 Ii, 2019, doi: 10.1109/IEEECONF48524.2019.9102562.



- [26] V. Suresh and P. Janik, "Optimal Power Flow in Microgrids using Genetic Algorithm," *Proc. 2019 2nd Int. Conf. Power Embed. Drive Control. ICPEDC 2019*, pp. 483–487, 2019, doi: 10.1109/ICPEDC47771.2019.9036669.
- [27] A. J. Lamadrid, D. Munoz-Alvarez, C. E. Murillo-Sanchez, R. D. Zimmerman, H. Shin, and R. J. Thomas, "Using the matpower optimal scheduling tool to test power system operation methodologies under uncertainty," *IEEE Trans. Sustain. Energy*, vol. 10, no. 3, pp. 1280–1289, 2019, doi: 10.1109/TSTE.2018.2865454.
- [28] B. Kharbas, M. Fozdar, and H. Tiwari, "Comparative Assessment of MW-mile and MVA-mile Methods of Transmission Tariff Allocation and Revenue Reconciliation," *IEEE Power Energy Soc. Gen. Meet.*, no. 1, 2013, doi: 10.1109/PESMG.2013.6672407.
- [29] M. Rosyada, H. Hermawan, and Susatyo Handoko Jurusan, "Perhitungan Biaya Sewa Jaringan Transmisi 500 Kv Jawa-Bali Dengan Metode Mw-Mile," *Transient*, 2014, [Online]. Available: <https://ejournal3.undip.ac.id/index.php/transient/article/view/8191>
- [30] S. T. Broujeni, S. H. Fathi, and J. S. Moghani, "Hybrid PV / Wind Power System Control for Maximum Power Extraction and Output Voltage Regulation," *3rd Int. Conf. Control. Instrumentation, Autom.*, no. Iccia, pp. 59–64, 2013, doi: 10.1109/ICCIAutom.2013.6912809.
- [31] Y. K. Renani, H. A. Abyaneh, S. H. H. Sadeghi, H. H. Dezaki, H. Nafisi, and A. Talebi, "Effect of the PV/FC hybrid power generation system on total line loss in distribution network," *PECon2010 - 2010 IEEE Int. Conf. Power Energy*, pp. 89–94, 2010, doi: 10.1109/PECON.2010.5697563.
- [32] A. Belhamadia, M. Mansor, and M. Younis, "Hybrid diesel/PV system sizing and cost estimation," *IET Semin. Dig.*, vol. 2014, no. CP659, pp. 6–10, 2014, doi: 10.1049/cp.2014.1506.
- [33] R. F. Rahman, S. P. Hadi, and Y. S. Wijoyo, "Pengaruh Pemanfaatan Bersama Jaringan Transmisi Terhadap Rugi-Rugi Saluran Transmisi Jawa-Bali," *CITEE*, 2015.
- [34] A. Naik, R. Y. Udaykumar, and V. Kole, "Power Management of a Hybrid PEMFC-PV and Ultracapacitor for Stand-Alone and Grid Connected Applications," *PEDES 2012 - IEEE Int. Conf. Power Electron. Drives Energy Syst.*, 2012, doi: 10.1109/PEDES.2012.6484290.
- [35] A. Blakers and D. Silalahi, "Solar Indonesia," 2021.
- [36] Y. Demirel, *Energy: Production, Conversion, Storage, Conservation, and Coupling*, vol. 69. Nebraska, London, US: Springer, 2012. doi: 10.1007/978-1-4471-2372-9.
- [37] A. F. Juwito, "Pemodelan Sistem Pembangkit Hibrid Berbasis Energi Terbarukan Untuk Menuju Desa Mandiri Energi di Desa Margajaya," Gadjah Mada University.
- [38] G. A. Munoz-Hernandez, S. P. Mansoor, and D. I. Jones, *Modelling and Controlling Hydropower Plants*, vol. 7, no. 1. London, New York: Springer, 2013.



- [39] K. ESDM, *Peraturan Menteri ESDM No. 01 Tahun 2015*. Republik Indonesia, 2015.
- [40] F. Gonzalez-Longatt and J. Rueda, *Power Factory Applications for Power System Analysis*. London, New York: Springer, 2014.
- [41] H. Saadat, *Power System Analysis*. New York: The McGraw-Hill Companies, 1999.
- [42] U. Khasanah, “Optimasi Implementasi Power Wheeling Untuk Metode MVA-KM dengan Algoritma Genetika (Studi Kasus Di Sistem Transmisi 500 KV Jawa-Bali),” Gadjah Mada University, 2015.
- [43] A. Ardialim, “Studi Penentuan Tarif Power Wheeling Menggunakan Metode MVA-KM pada Sistem Transmisi 500 KV Jawa – Bali,” Gadjah Mada University, 2014.
- [44] Ray D. Zimmerman Carlos E. Murillo-S´anchez, “Matpower MOST User’s Manual,” *October*, no. August, 2001.