

DAFTAR PUSTAKA

- [1] Pemerintah Republik Indonesia, “Undang-undang republik indonesia nomor 16 tahun 2016 tentang pengesahan *Paris Agreement to the United Nations Framework Convention on Climate Change* (persetujuan paris atas konvensi kerangka kerja perserikatan bangsa-bangsa mengenai perubahan iklim),” 2016.
- [2] —, “Peraturan pemerintah republik indonesia nomor 79 tahun 2014 tentang kebijakan energi nasional,” 2014.
- [3] —, “Peraturan presiden republik indonesia nomor 22 tahun 2017 tentang rencana umum energi nasional,” 2017.
- [4] Institute for Essential Services Reform, “Levelized cost of electricity in indonesia,” 2019.
- [5] D. Timmons, J. M. Harris, and B. Roach, *The Economics of Renewable Energy*, 2014.
- [6] Perusahaan Listrik Negara (PLN), “Rencana usaha penyediaan tenaga listrik (ruptl) pt. pln (persero) 2021-2030,” 2021.
- [7] Z. Shuai, Y. Sun, Z. J. Shen, W. Tian, C. Tu, Y. Li, and X. Yin, “Microgrid stability: Classification and a review,” *Renewable and Sustainable Energy Reviews*, vol. 58, pp. 167–179, 2016. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S1364032115015841>
- [8] M. Farrokhhabadi, C. A. Cañizares, J. W. Simpson-Porco, E. Nasr, L. Fan, P. A. Mendoza-Araya, R. Tonkoski, U. Tamrakar, N. Hatziargyriou, D. Lagos, R. W. Wies, M. Paolone, M. Liserre, L. Meegahapola, M. Kabalan, A. H. Hajimiragha, D. Peralta, M. A. Elizondo, K. P. Schneider, F. K. Tuffner, and J. Reilly, “Microgrid stability definitions, analysis, and examples,” *IEEE Transactions on Power Systems*, vol. 35, no. 1, pp. 13–29, 2020.
- [9] C. M. Franck, “Hvdc circuit breakers: A review identifying future research needs,” *IEEE Transactions on Power Delivery*, vol. 26, no. 2, p. 998 – 1007, 2011, cited by: 903; All Open Access, Green Open Access. [Online]. Available: <https://www.scopus.com/inward/record.uri?eid=2-s2.0-79953204245&doi=10.1109%2fTPWRD.2010.2095889&partnerID=40&md5=d344803060dfdc1e73612e89d270973d>
- [10] M. G. Simões, R. Roche, E. Kyriakides, A. Miraoui, B. Blunier, K. McBee, S. Suryanarayanan, P. Nguyen, and P. Ribeiro, “Smart-grid technologies and progress in europe and the usa,” in *2011 IEEE Energy Conversion Congress and Exposition*, 2011, pp. 383–390.
- [11] N. Jayawarna, N. Jenkins, M. Barnes, M. Lorentzou, S. Papathanassiou, and N. Hatziargyriou, “Safety analysis of a microgrid,” 12 2005, pp. 7 pp. – 7.
- [12] I. Xyngi, A. Ishchenko, M. Popov, and L. Sluis, “Transient stability analysis of a distribution network with distributed generators,” *Power Systems, IEEE Transactions on*, vol. 24, pp. 1102 – 1104, 06 2009.



- [13] S. A. Gopalan, V. Sreeram, H. H. C. Iu, Z. Xu, Z. Y. Dong, and K. P. Wong, "Fault analysis of an islanded multi-microgrid," in *2012 IEEE Power and Energy Society General Meeting*, 2012, pp. 1–6.
- [14] Alsakati, Ahmad Adel, Vaithilingam, Chockalingam Aravind, and Alnasseir, Jamal, "Transient stability assessment of ieee 9-bus system integrated wind farm," *MATEC Web Conf.*, vol. 335, 2021. [Online]. Available: <https://doi.org/10.1051/mateconf/202133502006>
- [15] D. T. Ton and M. A. Smith, "The u.s. department of energy's microgrid initiative," *The Electricity Journal*, vol. 25, no. 8, pp. 84–94, 2012. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S1040619012002254>
- [16] A. Hirsch, Y. Parag, and J. Guerrero, "Microgrids: A review of technologies, key drivers, and outstanding issues," *Renewable and Sustainable Energy Reviews*, vol. 90, pp. 402–411, 2018. [Online]. Available: <https://www.sciencedirect.com/science/article/pii/S136403211830128X>
- [17] V. Saravanan, K. M. Venkatachalam, M. Arumugam, M. A. K. Borelessa, and K. T. M. U. Hemapala, "Overview of microgrid systems," *International Journal of Advances in Applied Sciences (IJAAS)*, vol. 10, pp. 378–391, 2021.
- [18] *Handbook for Solar Photovoltaic (PV) Systems*, Energy Market Authority, Singapore, 2011.
- [19] K. Mertens, *Photovoltaics: Fundamentals, Technology, and Practice*, 2nd ed. Carl Hanser Verlag, Munich, FRG: John Wiley Sons Ltd., 2018.
- [20] H. Saadat, *Power System Analysis*. New York, NY: The McGraw-Hill Companies, Inc., 1999.
- [21] J. D. Hoffman, *Numerical Methods for Engineers and Scientists*, 2nd ed., 2001.
- [22] S. C. Chapra and R. P. Canale, *Numerical Methods for Engineers*, 6th ed., 2010.
- [23] S. Chapman, *Electric Machinery Fundamentals*, ser. McGraw-Hill Series in Electrical Engineering. McGraw-Hill, 1985. [Online]. Available: <https://books.google.co.id/books?id=-uRSAAAAMAAJ>
- [24] P. S. Kundur, "Power system stability," in *Power System Stability and Control*, L. L. Grigsby, Ed. Boca Raton, FL, USA: CRC Press, 2012.
- [25] M. Mynuddin, "Stability study of power system," *International Journal of Energy and Power Engineering*, vol. 4, 01 2015.
- [26] K. Morison, "Transient stability," in *Power System Stability and Control*, L. L. Grigsby, Ed. Boca Raton, FL, USA: CRC Press, 2012.
- [27] L. Meegahapola and T. Littler, "Characterisation of large disturbance rotor angle and voltage stability in interconnected power networks with distributed wind generation," *IET Renewable Power Generation*, vol. 9, no. 3, pp. 272–283, 2015. [Online]. Available: <https://ietresearch.onlinelibrary.wiley.com/doi/abs/10.1049/iet-rpg.2013.0406>



- [28] L. Meegahapola and D. Flynn, “Impact on transient and frequency stability for a power system at very high wind penetration,” in *IEEE PES General Meeting*, 2010, pp. 1–8.
- [29] K. D. Shinde and P. B. Mane, “Analysis of radial distribution test feeders in presence of solar photovoltaic systems using powerfactory,” in *2022 IEEE International Conference in Power Engineering Application (ICPEA)*, 2022, pp. 1–4.
- [30] S. Chatterjee and S. Mandal, “A novel comparison of gauss-seidel and newton-raphson methods for load flow analysis,” 03 2017, pp. 1–7.
- [31] *PowerFactory 2020 System Requirements*, DigSILENT Middle East LLC, Seeb, Oman, 2020.