

DAFTAR PUSTAKA

- [1] T. Tumiran, S. Sarjiya, L. M. Putranto, E. Nugraha Putra, R. F. Setya Budi, and C. Febri Nugraha, “Long-term electricity demand forecast using multivariate regression and end-use method: A study case of maluku-papua electricity system,” in *2021 International Conference on Technology and Policy in Energy and Electric Power (ICT-PEP)*, 2021, pp. 258–263.
- [2] J. Dian, I. B. Novendianto, and F. Z. Rhamadhan, “Analysis of co-firing in 25 mw cfb boiler coal-fired power plant using palm kernel shell to support indonesia energy transition,” in *2023 4th International Conference on High Voltage Engineering and Power Systems (ICHVEPS)*, 2023, pp. 127–131.
- [3] W. M. H. Setyawan, Sarjiya, and L. Multa Putranto, “Optimizing renewable energy resources on an isolated island to support an archipelagic country’s net zero emission target: A case study of sumba island, indonesia,” in *2024 International Conference on Technology and Policy in Energy and Electric Power (ICTPEP)*, 2024, pp. 491–496.
- [4] K. R. Pamella, B. Sudiarto, and R. Setiabudy, “Economical analysis optimization of east sumba microgrids,” in *2019 IEEE International Conference on Innovative Research and Development (ICIRD)*, 2019, pp. 1–4.
- [5] G. A. M. Nugraha, “Kajian dampak proses pusat listrik tenaga diesel dan gas (pltdg) indonesia power bali pesanggaran terhadap lingkungan dengan menggunakan metode life cycle assessment (lca),” Tugas Akhir (Undergraduate Thesis), Institut Teknologi Sepuluh Nopember, Surabaya, 2020.
- [6] I. W. Utama, K. J. Mustika, and I. W. Suriana, “Analisis konsumsi bahan bakar dan emisi karbon dioksida (co2) pada pltdg blok 2 di pt. indonesia power up bali,” *Jurnal Ilmiah TELSINAS*, vol. 5, no. 9, pp. 112–115, September 2022, e-ISSN 2621-5276 (online).
- [7] C. J. Ismail, A. Reani, N. W. Mondamina, and V. Charloth, “Rehabilitation at 2x400mw indonesia coal-fired power plant: Emission reduction and cost-effectiveness,” in *2017 IEEE 7th International Conference on Power and Energy Systems (ICPES)*, 2017, pp. 117–120.
- [8] F. Ariyanto, I. A. Faisal, I. P. Rastaman Putra, R. A. Hanafi, C. Træholt, and Y. Zong, “Integration of distributed solar pv in sumbawa-bima grid,” in *2024 International Conference on Technology and Policy in Energy and Electric Power (ICTPEP)*, 2024, pp. 303–306.
- [9] PT PLN (Persero), “Rencana usaha penyediaan tenaga listrik (ruptl) pt pln (persero) tahun 2021–2030,” September 2021, disahkan melalui Keputusan Menteri ESDM Nomor 188.K/HK.02/MEM.L/2021. [Online]. Available: <https://web.pln.co.id/statics/uploads/2021/10/RUPTL-PLN-2021-2030.pdf>
- [10] A. Viola, M. Trapanense, and V. Frazitta, “New solutions for energy supply: sea wave and offshore photovoltaic in sardinia (italy),” in *OCEANS 2018 MTS/IEEE Charleston*, 2018, pp. 1–7.

- [11] F. AYADI, I. COLAK, I. GARIP, and H. I. BULBUL, "Targets of countries in renewable energy," in *2020 9th International Conference on Renewable Energy Research and Application (ICRERA)*, 2020, pp. 394–398.
- [12] W. Yi, Y. Zhang, Z. Zhao, and Y. Huang, "Multiobjective robust scheduling for smart distribution grids: Considering renewable energy and demand response uncertainty," *IEEE Access*, vol. 6, pp. 45 715–45 724, 2018.
- [13] Sarjiya, L. M. Putranto, R. Irnawan, and R. F. S. Budi, "Assessing potential scenarios for achieving new and renewable energy targets in java-bali power system, indonesia," *International Journal of Energy Economics and Policy*, vol. 12, no. 2, pp. 502–515, 2022. [Online]. Available: <https://www.econjournals.com/index.php/ijee/article/view/12852>
- [14] I. Erden, E. Kabalci, and Y. Kabalci, "Feasibility analysis of integrating single-phase electrical vehicle charging stations to distribution grid," in *2023 5th Global Power, Energy and Communication Conference (GPECOM)*, 2023, pp. 358–363.
- [15] B. Győrfári and I. Vokony, "Technical issues of solar- and gas engine based micro-grids: Assessment on feasibility by using present technologies," in *2017 IEEE International Conference on Environment and Electrical Engineering and 2017 IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Europe)*, 2017, pp. 1–6.
- [16] M. Jabbar Mnati, M. Nema Hawas, and W. Khalid Al-Azzawi, "Analyze the impact of the faults levels on grid-connected photovoltaic systems using digilent power factory," in *2022 Second International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT)*, 2022, pp. 1–6.
- [17] J. Sarbazi, A. A. Najafabadi, S. H. Hosseinian, G. B. Gharehpetian, and A. Khor-sandi, "Effects of photovoltaic power plants grid code requirements on transient stability," in *2022 12th Smart Grid Conference (SGC)*, 2022, pp. 1–7.
- [18] J. Sreedevi and H. C. Sannappaiah, "Lvrt and hvrt analysis of grid connected solar pv system," in *2023 IEEE International Conference on Power Electronics, Smart Grid, and Renewable Energy (PESGRE)*, 2023, pp. 1–6.
- [19] T. Witt, L. M. P. Klumpp, R. I. *et al.*, "Transmission expansion planning for the sulawesi electricity system considering renewable energy integration and uncertainty," *Sustainability*, vol. 13, no. 18, p. 10477, 2021. [Online]. Available: <https://www.mdpi.com/2071-1050/13/18/10477>
- [20] O. C. Osunbor and O. A. Ezechukwu, "A guide to electrical power substation feasibility study," *International Journal of Current Research*, vol. 9, no. 12, pp. 63 159–63 161, December 2017, available online. [Online]. Available: <http://www.journalcra.com>
- [21] H. Saadat, *Power System Analysis*. New York: McGraw-Hill, 1999.
- [22] P. M. Anderson, *Analysis of Faulted Power Systems*. Piscataway, NJ: IEEE Press, 1995.

- [23] B. Ram and D. N. Vishwakarma, *Power System Protection and Switchgear*, 2nd ed. New Delhi, India: Tata McGraw-Hill Education, 2011.
- [24] P. Kundur, *Power System Stability and Control*. New York: McGraw-Hill Education, 1994.
- [25] S. K. Mishra, D. K. Mohanta, B. Appasani, and E. Kabalcı, *OWC-Based Ocean Wave Energy Plants: Modeling and Control*, ser. Energy Systems in Electrical Engineering. Singapore: Springer Nature Singapore, 2021.
- [26] M. Nuhic and G. Yang, "Battery energy storage system modelling in digsilent powerfactory," in *Power Systems*. Springer, 2021. [Online]. Available: <https://www.researchgate.net/publication/346605278>
- [27] Kementerian Energi dan Sumber Daya Mineral Republik Indonesia, "Peraturan menteri energi dan sumber daya mineral republik indonesia nomor 20 tahun 2020 tentang aturan jaringan sistem tenaga listrik (grid code)," December 2020, diundangkan dalam Berita Negara Republik Indonesia Tahun 2020 Nomor 1794. [Online]. Available: <https://peraturan.bpk.go.id/Home/Details/161062/permen-esdm-no-20-tahun-2020>
- [28] C. Hamon, K. Elkington, and M. Ghandhari, "Doubly-fed induction generator modeling and control in digsilent powerfactory," in *Proceedings of the International Conference on Power System Technology (POWERCON)*, 2010. [Online]. Available: <https://www.researchgate.net/publication/224205043>
- [29] DIgSILENT GmbH, "Doubly-fed induction machine: Technical reference documentation," DIgSILENT GmbH, Gomaringen, Germany, Tech. Rep., 2011. [Online]. Available: <http://www.digsilent.de>
- [30] —, "Battery energy storage systems (bess): Application example," DIgSILENT GmbH, Gomaringen, Germany, Tech. Rep., 2010. [Online]. Available: <http://www.digsilent.de>
- [31] IEEE Industry Applications Society, Industrial and Commercial Power Systems Department, *IEEE Recommended Practice for Industrial and Commercial Power Systems Analysis*, ser. IEEE Std 399-1997. New York, USA: Institute of Electrical and Electronics Engineers, 1997, commonly referred to as the "Brown Book". [Online]. Available: <https://ieeexplore.ieee.org/document/741205>