

REFERENSI

- [1] “UIKL Sulawesi.” [Online]. Available: https://www.uikl-sulawesi.co.id/index.php/control/celebes_system. [Accessed: 01-Jul-2020].
- [2] K. Phraba, *Power System Stability And Control*. McGraw Hill, 1994.
- [3] Nahid-Al-Masood, R. Yan, and T. K. Saha, “Frequency response with significant wind power penetration: Case study of a realistic power system,” *IEEE Power Energy Soc. Gen. Meet.*, vol. 2014-October, no. October, pp. 1–5, 2014.
- [4] P. Kundur, “Transient Stability,” in *Power System Stability And Control*, United State of America: McGraw-Hill, 1994, pp. 827–954.
- [5] H. Saadat, “Stability,” in *Power System Analysis*, United State of America: McGraw-Hill, 1999, pp. 460–514.
- [6] Kementerian Energi dan Sumber Daya Mineral, “Aturan Jaringan Sistem Tenaga Listrik Sulawesi,” vol. 2014. 2015.
- [7] PT. Perusahaan Listrik Negara, “Rencana usaha penyediaan tenaga listrik,” *Rencana Usaha Penyediaan Tenaga List.*, pp. 2019–2028, 2019.
- [8] B. C. Ummels, M. Gibescu, E. Pelgrum, W. L. Kling, and A. J. Brand, “Impacts of wind power on thermal generation unit commitment and dispatch,” *IEEE Trans. Energy Convers.*, vol. 22, no. 1, pp. 44–51, 2007.
- [9] PT. PLN (Persero), “Pola Operasi PLTB Sidrap 70 MW.”
- [10] M. S. Sehedra and O. B. Dudurych, “Issues of inertia response and rate of change of frequency in power systems with different penetration of variable speed wind turbines,” *Proc. - EPNet 2016, Electr. Power Networks*, pp. 1–4, 2017.
- [11] North American Electric Reliability Corporation, “NERC Balancing and Frequency Control,” 2011.
- [12] E. Ela, M. Milligan, and B. Kirby, “Operating Reserves and Variable Generation,” *Contract*, no. August, pp. 1–103, 2011.
- [13] J. Wang, M. Shahidehpour, and Z. Li, “Security-constrained unit commitment with volatile wind power generation,” *IEEE Trans. Power Syst.*, vol. 23, no. 3, pp. 1319–1327, 2008.
- [14] J. F. Restrepo and F. D. Galiana, “Unit Commitment With Primary Frequency Regulation Constraints,” *Power*, vol. 20, no. 4, pp. 1836–1842, 2005.
- [15] R. J. Koessler, J. W. Feltes, and J. R. Willis, “Methodology for management of spinning reserve requirements,” *IEEE Eng. Soc. Winter Meet.*, vol. 1, pp. 584–589, 1999.
- [16] NEPLAN AG, “Turbine-Governor Models, Standard Dynamic Turbine-Governor Systems in NEPLAN Power System Analysis Tool,” p. 98, 2013.
- [17] G. Chown, J. Wright, R. van Heerden, and M. Coker, “System inertia and Rate of Change of Frequency (RoCoF) with increasing non-synchronous renewable energy penetration, Innovation in the Power Systems industry,” *CIGRE Sci. -Engineering*, vol. 11, no. June, pp. 1–134, 2018.
- [18] Kementerian Energi dan Sumber Daya Mineral, “Aturan Jaringan Sistem Tenaga Listrik Jawa-Madura-Bali,” 2007.
- [19] B. F. Wood, Allen J.; Wollenberg, *Power Generation Operation and Control*. New York: Wiley, 2014.
- [20] S. A. Kusumo, Tiyono, and L. M. Putranto, “Transient Stability Study in Grid Integrated Wind Farm,” *Proc. - 2018 5th Int. Conf. Inf. Technol. Comput. Electr. Eng. ICITACEE 2018*, pp. 61–66, 2018.
- [21] N. Farrokhsresht, H. Chavez, and M. R. Hesamzadeh, “Economic impact of wind integration



- on Primary Frequency Response,” *2015 IEEE Eindhoven PowerTech, PowerTech 2015*, 2015.
- [22] IESR, “Technical Report: A Roadmap for Indonesia’s Power Sector: How Renewable Energy Can Power Java-Bali and Sumatera,” 2019.
- [23] NEC, “Technology Data for the Indonesian Power Sector - Catalogue for Generation and Storage of Electricity,” no. December, pp. 1–140, 2017.
- [24] Energy Market Authority (EMA), “Enhancement To the Spinning Reserve Requirements for the Singapore Power System - Policy Paper,” no. March, 2017.