

## DAFTAR PUSTAKA

- [1] Kementerian Energi dan Sumber Daya Mineral Republik Indonesia, "Aturan Jaringan Sistem Tenaga Listrik Jawa-Madura-Bali," Kementerian Energi dan Sumber Daya Mineral Republik Indonesia, Jakarta, 2007.
- [2] D. Kurniawan, "Liputan 6," 6 September 2018. [Online]. Available: <https://www.liputan6.com/regional/read/3637493/penyebab-gangguan-di-pltu-paiton-hingga-bikin-bali-padam-listrik-total>. [Accessed 23 Juni 2020].
- [3] Trans Power New Zealand Limited, "Main Transmission System Planning Guideline," 2005.
- [4] North American Electric Reliability Corporation, "Balancing and Frequency Control: A Technical Document Prepared by the NERC Resources Subcommittee," NERC, Princeton, 2011.
- [5] J. Undrill, "Primary Frequency Response and Control of Power System Frequency," Berkeley Lab, Berkeley, 2018.
- [6] D.-C. Radu, "Strategies for Provision of Secondary Reserve Capacity to Balance Short-Term Fluctuations of Variable Renewable Energy," KTH Industrial Engineering and Management, Stockholm, 2017.
- [7] S. S. Rao, *Engineering Optimization: Theory and Practice*, Hoboken: John Wiley & Sons, Inc., 2009.
- [8] M. Carrion and J. M. Arroyo, "A Computationally Efficient Mixed-Integer Linear Formulation for the Thermal Unit Commitment Problem," *IEEE Transactions On Power Systems*, vol. 21, no. 3, pp. 1371-1378, 2006.
- [9] L. Wu, "A Tighter Piecewise Linear Approximation of Quadratic Cost Curves for Unit Commitment Problems," *IEEE Transactions On Power Systems*, vol. 26, no. 4, pp. 2581-2583, 2011.
- [10] K. V. d. Bergh, K. Bruninx, E. Delarue and W. D'haeseleer, "A Mixed-Integer Linear Formulation of the Unit Commitment Problem," University of Leuven (KU Leuven) Energy Institute, Leuven, 2014.

- [11] J. F. Restrepo and F. D. Galiana, "Unit Commitment With Primary Frequency Regulation Constraints," *IEEE Transactions On Power Systems*, vol. 20, no. 4, pp. 1836-1842, 2005.
- [12] G. Morales-Espana, J. M. Latorre and A. Ramos, "Tight and Compact MILP Formulation for the Thermal Unit Commitment Problem," *IEEE Transactions on Power Systems*, vol. 28, no. 4, pp. 4897-4908, 2013.
- [13] H. Chavez, R. Baldick and S. Sharma, "Governor Rate-Constrained OPF for Primary Frequency Control Adequacy," *IEEE Transactions On Power Systems*, vol. 3, no. 29, pp. 1473-1480, 2014.
- [14] H. Zhang, E. Ela and Q. Wang, "Market Scheduling and Pricing for Primary and Secondary Frequency Response," *IEEE Transactions On Power Systems*, vol. 34, no. 4, pp. 2914-2924, 2019.
- [15] K. V. d. Bergh, E. Delarue and W. D'haeseleer, "DC Power Flow in Unit Commitment Models," University of Leuven (KU Leuven) Energy Institute, Leuven, 2014.
- [16] Perusahaan Listrik Negara, "RUPTL: Rencana Usaha Penyediaan Tenaga Listrik PT. PLN (Persero) 2018-2027," Kementerian ESDM, Jakarta, 2018.
- [17] Lokadata, "Lokadata.id," PT Lintas Cipta Media (LCM), 2018. [Online]. Available: <https://lokadata.beritagar.id/chart/preview/biaya-operasi-pembangkit-listrik-2018-1566271363>. [Accessed 11 Mei 2020].
- [18] K. E. L. Smekens, P. Lako and A. J. Seebregts, "Technologies and technology learning, contributions to IEA's Energy Technology Perspectives," Energy Res. Cent. Neth. Rep. ECN-C-03-046, Petten, Neth, 2003.
- [19] P. Tielens, "Operation and control of power systems with low synchronous inertia," KU Leuven, Leuven, 2017.
- [20] CIGRE, "Innovation in the Power Systems industry," CIGRE, Paris, 2018.
- [21] J. Li and W. W. Li, "Power-friendly Primary Frequency Control Method and System of Receiving-end Grid," in *IOP Conference Series: Earth and Environmental Science*, 2018.



UNIVERSITAS  
GADJAH MADA

**SECURITY-CONSTRAINED UNIT COMMITMENT PADA SISTEM JAWA-MADURA-BALI: SECONDARY CONTROL RESERVE**

PRAYUDA AL-HUDRI, Ir. Sarjiya, S.T., M.T., Ph.D., IPU; Ir. Lesnanto Multa Putranto, S.T., M.Eng., Ph.D., IPM

Universitas Gadjah Mada, 2020 | Diunduh dari <http://etd.repository.ugm.ac.id/>

- [22] Kementerian Energi dan Sumber Daya Mineral, "Rencana Usaha Penyediaan Tenaga Listrik (RUPTL) 2019-2028 PT. PLN," Kementerian Energi dan Sumber Daya Mineral, Jakarta, 2019.