

## REFERENSI

- [1] PT. PLN, “Rencana Usaha Penyediaan Tenaga Listrik PT. Perusahaan Listrik Negara (Persero) Tahun 2021 Sampai Dengan Tahun 2030,” Jakarta, 2021.
- [2] 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),” Jakarta, Dec. 2020.
- [3] K. Bruninx, “Improved Modeling of Unit Commitment Decisions Under Uncertainty,” Leuven Belgium, 2016.
- [4] A. J. Wood, B. F. Wollenberg, and G. B. Sheblé, *Power Generation, Operation and Control 3rd edition*, 3rd ed., vol. 3. Canada: John Wiley & Sons, Inc., 2014.
- [5] E. Ela, M. Milligan, and B. Kirby, “Operating Reserves and Variable Generation,” Colorado, Aug.2011. [Online]. Available: <http://www.osti.gov/bridge>
- [6] C. Hultholm and N. Wägar, “Optimal Reserve Operation in Turkey-Frequency Control and Non-Spinning Reserves,” 2015.
- [7] Asian Development Bank, *Handbook on Battery Energy Storage System*, 1st ed. Manila, Philippines: Creative Commons Attribution 3.0 IGO license, 2018. doi: 10.22617/TCS189791-2.
- [8] PT PLN (PERSERO) UNIT INDUK PUSAT PENGATUR BEBAN, “Presentasi-Laporan- Gangguan-Sistem Jawa Bali-20190804-Direksi” Jakarta, 2019.
- [9] C. Cano, J. Aguilar, J. Lezama, Á. Duque, and W. Acevedo, “Implementation of User Cuts and Linear Sensitivity Factors to Improve the Computational Performance of the Security-Constrained Unit Commitment Problem,” *Energies (Basel)*, vol. 12, no. 1399, pp. 53–72, 2019, [Online]. Available: [www.mdpi.com/journal/energies](http://www.mdpi.com/journal/energies)
- [10] Sarjiya, A. Budi Mulyawan, and A. Sudiarso, “Unit Commitment Solution Using Genetic Algorithm Based on Priority List Approach,” *J Theor Appl Inf Technol*, vol. 72, no. 3, pp. 394– 403, 2015, [Online]. Available: [www.jatit.org](http://www.jatit.org)
- [11] H. Chen, H. Ngan, and Y. (Of H. nan li gong da xue) Zhang, *Power System Optimization: Large- Scale Complex Systems Approaches*, 1st ed., vol. 1. Singapore: John Wiley & Sons Singapore Pte.Ltd, 2016.
- [12] H. Samani, “Unit Commitment and Methods for Solving; a Review,” *Journal of*

Available: [www.textroad.com](http://www.textroad.com)

- [13] M. Carrión 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, Aug. 2006, doi: 10.1109/TPWRS.2006.876672.
- [14] I. Abdou and M. Tkiouat, “Unit Commitment Problem in Electrical Power System: A Literature Review,” *International Journal of Electrical and Computer Engineering*, vol. 8, no. 3, pp. 1357–1372, Jun. 2018, doi: 10.11591/ijece.v8i3.pp1357-1372.
- [15] N. Muralikrishnan, L. Jebaraj, and C. C. A. Rajan, “A Comprehensive Review on Evolutionary Optimization Techniques Applied for Unit Commitment Problem,” *IEEE Access*, vol. 8, Institute of Electrical and Electronics Engineers Inc., pp. 132980–133014, 2020. doi: 10.1109/ACCESS.2020.3010275.
- [16] F. Azyumardi Tara and F. Ahmad Septianta, “Security-Constrained Unit Commitment Sistem Jawa-Bali Dengan Pertimbangan Penetrasi Pembangkit Listrik Tenaga Surya Dan Teknologi Energy Storage System,” Yogyakarta, 2020.
- [17] J. Olamaei, M. M. Khademi, and A. Arjomand, “A Model to Incorporate Demand Response Programs in Security Constrained Unit Commitment,” Apr. 2015. doi: 10.1109/IEOM.2015.7093760.
- [18] U. S. Kim, T. C. Park, L. H. Kim, and Y. K. Yeo, “Optimal Operation System of the Integrated District Heating System with Multiple Regional Branches,” in *EKC 2009 Proceedings of EU- Korea Conference on Science and Technology*, Mar. 2010, pp. 49–61. [Online]. Available: <http://www.springer.com/series/361/>
- [19] 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, Nov. 2011, doi: 10.1109/TPWRS.2011.2148370.
- [20] 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, Nov. 2005, doi: 10.1109/TPWRS.2005.857011.
- [21] G. Morales-España, 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, doi:

- [22] H. Chavez, R. Baldick, and S. Sharma, "Governor Rate-Constrained OPF for Primary Frequency Control Adequacy," *IEEE Transactions on Power Systems*, vol. 29, no. 3, pp. 1473–1480, 2014, doi: 10.1109/TPWRS.2014.2298838.
- [23] K. van den Bergh, E. Delarue, and W. D'haeseleer, "DC Power Flow in Unit Commitment Models," Leuven, Flanders, May 2014.  
[Online]. Available: <http://www.mech.kuleuven.be/tme/research/>
- [24] Z. Hu, *Energy Storage for Power System Planning and Operation*, 1st ed., vol. 1. USA: John Wiley & Sons Singapore Pte. Ltd, 2020.
- [25] Golshani, Amir, Sun, Wei, Sun, Wei, "Advanced power system partitioning method for fast and reliable restoration: toward a self-healing power grid", *IET Generation, Transmission and Distribution*, vol. 12, no. 1, pp. 42–52, 2018, doi: 10.1049/IET-GTD.2016.1797.
- [26] Tesla Megapack. (2022, September 01). Order Megapack [Online]. Available: [Order Megapack \(tesla.com\)](https://www.tesla.com/megapack).
- [27] Cole, Wesley, A. Will Frazier, and Chad Augustine. 2021. Cost Projections for Utility-Scale Battery Storage: 2021 Update. Golden, CO: National Renewable Energy Laboratory. NREL/TP-6A20-79236.  
<https://www.nrel.gov/docs/fy21osti/79236.pdf>.