

## E. REFERENSI

- [1] PT. PLN, Rencana Usaha Penyediaan Tenaga Listrik (RUPTL) PT. PLN (Persero) 2019-2028, Jakarta: PT. PLN, 2019.
- [2] Dewan Energi Nasional , Outlook Energi Indonesia 2016, Jakarta: Dewan Energi Nasional, 2016.
- [3] R. D. et al., "An assessment of the impact of wind generation on system frequency control," *IEEE. Trans. Power Syst.*, vol. 25, no. 1, pp. 452-460, 2010.
- [4] S. Sharma, S. Huang, and N. Sarma, "System inertial frequency response estimation and impact of renewable resources in ERCOT interconnection," *IEEE PES GM*, 2011.
- [5] V. Prakash, R. Bhakar, H. Tiwari, and K. C. Sharma, "Inertia and Primary Frequency Response Assessment Under Certain Photovoltaic Generation," *2018 8th IEEE India International Conference on Power Electronics (IICPE), JAIPUR, India*, pp. 1-6, 2018.
- [6] E. Ela, M. Milligan, and B. Kirby, "Operating Reserves and Variable Generation," National Renewable Energy Laboratory, Colorado, 2011.
- [7] J. Restrepo and F. Galiana, "Unit Commitment with Primary Frequency Regulation Constraints," *IEEE Transactions on Power Systems*, vol. 20, no. 4, pp. 1836-1842, 2005.
- [8] M. Carrion, "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] W. D'haesseler, K. Van den Berg, E. Delarue, and K. Brininx, "A Mixed-Integer Linear Formulation of the Unit Commitment Problem," KU Leuven Energy Institute, Leuven, 2014.
- [10] M. Yasirroni, FAST Unit Commitment pada Dynamic Economic Dispatch Menggunakan Modified Quadratic Programming, Yogyakarta: Skripsi S1, Departemen Teknik Elektro dan Teknologi Informasi Fakultas Teknik Universitas Gadjah Mada, 2017.
- [11] 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.



Leuven: KU Leuven Energy Institute, 2014.

[13] E. Simorangkir, "Mengintip Pembangkit Listrik Tenaga Surya Terbesar di RI," November 22, 2016. [Online]. Available: <https://finance.detik.com/energi/d-3351258/mengintip-pembangkit-listrik-tenaga-surya-terbesar-di-ri>. [Accessed Jul. 21, 2020].

[14] H. O. R. Howlader, M. Furukakoi, H. Matayoshi, and T. Senjyu, "Duck Curve Problem Solving Strategies with Thermal Unit Commitment by Introducing Storage Hydroelectricity & Renewable Energy," *The IEEE PEDS 2017*, Honolulu, 2017.

[15] M. Hermans and E. Delarue, "Impact of start-up mode on flexible power plant operation and system cost," *The 13th International Conference on the European Energy Market (EEM)*, Porto, 2016.

[16] H. Chavez and R. Baldick, "Inertia and Governor Ramp Rate Constrained Economic Dispatch to Assess Primary Frequency Response Adequacy," *Renewable Energy and Power Quality Journal*, pp. 1382-1387, 2012.

[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," *The 8th CIGRE Southern Africa Regional Conference*, Cape Town, 2014.

[18] J. Li and W. Li, "Power-friendly Primary Frequency Control Method and System of Receiving-end Grid," *IOP Conf. Seres: Earth and Environmental Science 199*, Tokyo, 2018.