

DAFTAR PUSTAKA

- [1] T. Yu and W.-G. Zhen, "A reinforcement learning approach to power system stabilizer," in *2009 IEEE Power Energy Society General Meeting*, 2009, pp. 1–5.
- [2] J. Saha, D. Guha, and S. K. Jha, "Voltage control of power system employing q-learning based pid controller," in *2022 IEEE 19th India Council International Conference (INDICON)*, 2022, pp. 1–6.
- [3] A. Oshnoei, O. Sadeghian, B. Mohammadi-Ivatloo, F. Blaabjerg, and A. Anvari-Moghaddam, "Data-driven coordinated control of avr and pss in power systems: A deep reinforcement learning method," in *2021 IEEE International Conference on Environment and Electrical Engineering and 2021 IEEE Industrial and Commercial Power Systems Europe (EEEIC / ICPS Europe)*, 2021, pp. 1–6.
- [4] G. Dewantoro, A. Swain, F. Hafiz, and N. Patel, "Deep reinforcement control scheme for transient and steady-state stability in power systems," in *2023 IEEE International Conference on Energy Technologies for Future Grids (ETFG)*, 2023, pp. 1–6.
- [5] J. J. S.-G. Joe H. Chow, *Power System Modeling, Computation, and Control*. John Wiley Sons, 2020.
- [6] S. Fujimoto, H. Van Hoof, and D. Meger, "Addressing function approximation error in actor-critic methods," 10 2018. [Online]. Available: <https://arxiv.org/abs/1802.09477>
- [7] P. W. Sauer and J. H. C. M. A. Pai, *Power System Dynamics and Stability*. John Wiley Sons, 2018.
- [8] A. C. Adi, "Konsumsi listrik masyarakat meningkat, tahun 2023 capai 1.285 kwh/kapita," ESDM, 01 2024. [Online]. Available: <https://www.esdm.go.id/id/media-center/arsip-berita/konsumsi-listrik-masyarakat-meningkat-tahun-2023-capai-1285-kwh-kapita>
- [9] S. , N. Mazidah, and R. C. Nugroho, "Statistik ketenagalistrikan tahun 2022," *Gatrik ESDM*, vol. 36, pp. 3–8, 08 2023. [Online]. Available: https://gatrik.esdm.go.id/assets/uploads/download_index/files/72f25-web-publish-statistik-2022.pdf
- [10] B. P. S. Indonesia, "Kapasitas terpasang pln menurut jenis pembangkit listrik - tabel statistik," www.bps.go.id, 01 2024. [Online]. Available: <https://www.bps.go.id/id/statistics-table/2/MzIxIzI=/kapasitas-terpasang-pln-menurut-jenis-pembangkit-listrik--mw-.html>
- [11] S. Kumar, O. Singh, and S. K. Aggarwal, "A comparative study for reactive power capability of doubly fed induction generator and synchronous generator," in *2016 International Conference on Control, Computing, Communication and Materials (ICCCCM)*, 2016, pp. 1–4.
- [12] R. S. Sutton and A. G. Barto, *Reinforcement Learning: An Introduction*, 2nd ed. MIT Press, 2015.



- [13] X. Xie, "Pss control of multi machine power system using reinforcement learning," in *2021 5th International Conference on Robotics and Automation Sciences (ICRAS)*, 2021, pp. 132–135.
- [14] Y. Wang, V. Vittal, X. Luo, S. Maslennikov, Q. Zhang, M. Hong, and S. Zhang, "Reinforcement learning based voltage control using multiple control devices," in *2023 IEEE Power Energy Society General Meeting (PESGM)*, 2023, pp. 1–5.
- [15] G. J. W. Dudgeon, W. E. Leithead, A. Dysko, J. O'Reilly, and J. R. McDonald, "The effective role of avr and pss in power systems: Frequency response analysis," *IEEE Transactions on Power Systems*, vol. 22, no. 4, pp. 1986–1994, 2007.
- [16] S. J. Chapman, *ELECTRIC MACHINERY FUNDAMENTALS*. Elizabeth A. Jones, 2005.
- [17] P. Khundur, *Power System Stability and Control*. McGraw-Hill, 1994.
- [18] "Ieee recommended practice for excitation system models for power system stability studies," *IEEE Std 421.5-2016 (Revision of IEEE Std 421.5-2005)*, pp. 1–207, 2016.
- [19] A. A. Alsakati, C. A. Vaithilingam, J. Alnasseir, and A. Jagadeeshwaran, "Transient stability improvement of power system using power system stabilizer integrated with excitation system," in *2021 11th IEEE International Conference on Control System, Computing and Engineering (ICCSCE)*, 2021, pp. 34–39.
- [20] "Part 1: Key concepts in rl — spinning up documentation," Openai.com, 2018. [Online]. Available: https://spinningup.openai.com/en/latest/spinningup/rl_intro.html
- [21] B. Jaeger, "An invitation to deep reinforcement learning," ar5iv, 02 2024. [Online]. Available: <https://ar5iv.labs.arxiv.org/html/2312.08365>
- [22] D. Han, B. Mulyana, V. Stankovic, and S. Cheng, "A survey on deep reinforcement learning algorithms for robotic manipulation," *Sensors*, vol. 23, p. 3762, 04 2023.
- [23] "Twin delayed ddpg — spinning up documentation," spinningup.openai.com. [Online]. Available: <https://spinningup.openai.com/en/latest/algorithms/td3.html>
- [24] "Td3 — stable baselines3 2.2.1 documentation," stable-baselines3.readthedocs.io. [Online]. Available: <https://stable-baselines3.readthedocs.io/en/master/modules/td3.html>
- [25] M. N. Sidiq, "Adaptive control of synchronous generator with transient model using reinforcement learning," DTETI, Gadjah Mada University, Tech. Rep., 2024.