

DAFTAR PUSTAKA

- [1] A. Surana, “Koopman Operator Framework for Time Series Modeling and Analysis,” *J Nonlinear Sci*, vol. 30, no. 5, pp. 1973–2006, Oct. 2020. [Online]. Available: <http://link.springer.com/10.1007/s00332-017-9441-y>
- [2] M. F. N. Akbar, “ESTIMASI STATE KONDISI DINAMIS GENERATOR SINKRON MENGGUNAKAN METODE UNSCENTED KALMAN FILTER,” *UGM*, 2022.
- [3] B. C. Bikash Pal, *Robust Control in Power Systems*. United State of America: Springer Science+Business Media, 2005.
- [4] B. Xie, A. P. Sakis Meliopoulos, D. Zhao, J. Xie, C. Zhong, O. Vasios, and K. Liu, “A Performance Comparison Study of Quasi-Dynamic State Estimation and Static State Estimation,” in *2020 IEEE Power & Energy Society General Meeting (PESGM)*. Montreal, QC, Canada: IEEE, Aug. 2020, pp. 1–5. [Online]. Available: <https://ieeexplore.ieee.org/document/9282017/>
- [5] A. Thabet, S. Chniba, G. Didier, M. Boutayeb, and M. N. Abdelkrim, “Power System Static State Estimation and Stability Analysis.”
- [6] R. Fan, A. P. S. Meliopoulos, G. J. Cokkinides, L. Sun, and L. Yu, “Dynamic state estimation-based protection of power transformers,” in *2015 IEEE Power & Energy Society General Meeting*. Denver, CO: IEEE, Jul. 2015, pp. 1–5. [Online]. Available: <https://ieeexplore.ieee.org/document/7286463/>
- [7] A. S. M. A. R. Junbo Zhao, Abhinav K. Singh, “IEEE Task Force on Dynamic State and Parameter Estimation,” 2021.
- [8] A. Del Angel, P. Geurts, D. Ernst, M. Glavic, and L. Wehenkel, “Estimation of rotor angles of synchronous machines using artificial neural networks and local PMU-based quantities,” *Neurocomputing*, vol. 70, no. 16-18, pp. 2668–2678, Oct. 2007. [Online]. Available: <https://linkinghub.elsevier.com/retrieve/pii/S0925231207000252>
- [9] K. A. Krisnawati, “MODEL HIBRIDA ARIMAX DAN DEEP LEARNING NEURAL NETWORK UNTUK PERAMALAN BEBAN LISTRIK JANGKA PENDEK DI PT. INDONESIA POWER UP BALI,” 2018.
- [10] E. Ghahremani and I. Kamwa, “Online State Estimation of a Synchronous Generator Using Unscented Kalman Filter From Phasor Measurements Units,” *IEEE Trans. Energy Convers.*, vol. 26, no. 4, pp. 1099–1108, Dec. 2011. [Online]. Available: <http://ieeexplore.ieee.org/document/6042326/>

- [11] H. Modir and R. Schlueter, "A Dynamic State Estimator for Dynamic Security Assessment," *IEEE Trans. on Power Apparatus and Syst.*, vol. PAS-100, no. 11, pp. 4644–4652, Nov. 1981. [Online]. Available: <http://ieeexplore.ieee.org/document/4110555/>
- [12] A. P. S. Meliopoulos, G. J. Cokkinides, P. Myrda, Y. Liu, R. Fan, L. Sun, R. Huang, and Z. Tan, "Dynamic State Estimation-Based Protection: Status and Promise," *IEEE Trans. Power Delivery*, vol. 32, no. 1, pp. 320–330, Feb. 2017. [Online]. Available: <http://ieeexplore.ieee.org/document/7575652/>
- [13] Y. Liu, A. P. S. Meliopoulos, R. Fan, L. Sun, and Z. Tan, "Dynamic State Estimation Based Protection on Series Compensated Transmission Lines," *IEEE Trans. Power Delivery*, vol. 32, no. 5, pp. 2199–2209, Oct. 2017. [Online]. Available: <http://ieeexplore.ieee.org/document/7762188/>
- [14] H. Khazraj, F. Faria Da Silva, and C. L. Bak, "A performance comparison between extended Kalman Filter and unscented Kalman Filter in power system dynamic state estimation," in *2016 51st International Universities Power Engineering Conference (UPEC)*. Coimbra: IEEE, Sep. 2016, pp. 1–6. [Online]. Available: <http://ieeexplore.ieee.org/document/8114125/>
- [15] D. K. G. S. R. Menon, N. Sreevathsava, P. M. P. S. Nag, and C. S. Kumar, "Stator Inter-turn Fault Diagnosis and Fault Location in Synchronous Generator using Dual Extended Kalman Filter and Linear Regression Analysis," in *2020 5th International Conference on Communication and Electronics Systems (ICCES)*. COIMBATORE, India: IEEE, Jun. 2020, pp. 52–57. [Online]. Available: <https://ieeexplore.ieee.org/document/9138025/>
- [16] L. Strezoski, V. Katic, B. Dumnic, and M. Prica, "The sub-transient, transient, and steady-state models for three-phase inverter based distributed generators for the purpose of real-time short-circuit analysis," in *Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MedPower 2016)*. Belgrade, Serbia: Institution of Engineering and Technology, 2016, pp. 9 (8 .)–9 (8 .). [Online]. Available: <https://digital-library.theiet.org/content/conferences/10.1049/cp.2016.0998>
- [17] M. Netto and L. Mili, "A Robust Data-Driven Koopman Kalman Filter for Power Systems Dynamic State Estimation," *IEEE Trans. Power Syst.*, vol. 33, no. 6, pp. 7228–7237, Nov. 2018. [Online]. Available: <https://ieeexplore.ieee.org/document/8384030/>
- [18] J. Zhao, J. Qi, Z. Huang, A. P. S. Meliopoulos, A. Gomez-Exposito, M. Netto, L. Mili, A. Abur, V. Terzija, I. Kamwa, B. Pal, and A. K. Singh, "Power System Dynamic State Estimation: Motivations, Definitions, Methodologies, and Future Work," *IEEE Trans. Power Syst.*, vol. 34, no. 4, pp. 3188–3198, Jul. 2019. [Online]. Available: <https://ieeexplore.ieee.org/document/8624411/>

- [19] H. Liu, F. Hu, J. Su, X. Wei, and R. Qin, “Comparisons on Kalman-Filter-Based Dynamic State Estimation Algorithms of Power Systems,” *IEEE Access*, vol. 8, pp. 51 035–51 043, 2020. [Online]. Available: <https://ieeexplore.ieee.org/document/9031330/>
- [20] D. Jena and M. Rampelli, “Advantage of Unscented Kalman Filter Over Extended Kalman Filter in Dynamic State Estimation of Power System Network,” in *Michael Faraday IET International Summit 2015*. Kolkata, India: Institution of Engineering and Technology, 2015, pp. 48 (6 .)–48 (6 .). [Online]. Available: <https://digital-library.theiet.org/content/conferences/10.1049/cp.2015.1644>
- [21] S. Luo, Y. Jian, and Q. Gao, “Synchronous generator modeling and semi - physical simulation,” in *2019 22nd International Conference on Electrical Machines and Systems (ICEMS)*, 2019, pp. 1–6.
- [22] M. Despalatovic, M. Jadric, and B. Terzic, “Modeling of saturated synchronous generator based on steady-state operating data,” *IEEE Transactions on Industry Applications*, vol. 48, no. 1, pp. 62–69, 2012.
- [23] N. Hatziaargyriou, J. Milanovic, C. Rahmann, V. Ajjarapu, C. Canizares, I. Erlich, D. Hill, I. Hiskens, I. Kamwa, B. Pal, P. Pourbeik, J. Sanchez-Gasca, A. Stankovic, T. Van Cutsem, V. Vittal, and C. Vournas, “Definition and Classification of Power System Stability – Revisited & Extended,” *IEEE Trans. Power Syst.*, vol. 36, no. 4, pp. 3271–3281, Jul. 2021. [Online]. Available: <https://ieeexplore.ieee.org/document/9286772/>
- [24] P. Kundur, J. Paserba, and S. Vitet, “Overview on definition and classification of power system stability,” in *CIGRE/IEEE PES International Symposium Quality and Security of Electric Power Delivery Systems, 2003. CIGRE/PES 2003*. Montreal, Quebec, Canada: IEEE, 2003, pp. 1–4. [Online]. Available: <https://ieeexplore.ieee.org/document/1259312>
- [25] “Definition and Classification of Power System Stability IEEE/CIGRE Joint Task Force on Stability Terms and Definitions,” *IEEE Trans. Power Syst.*, vol. 19, no. 3, pp. 1387–1401, Aug. 2004. [Online]. Available: <http://ieeexplore.ieee.org/document/1318675/>
- [26] P. Tielens and D. Van Hertem, “The relevance of inertia in power systems,” *Renewable and Sustainable Energy Reviews*, vol. 55, pp. 999–1009, Mar. 2016. [Online]. Available: <https://linkinghub.elsevier.com/retrieve/pii/S136403211501268X>
- [27] J. Zhao, M. Netto, Z. Huang, S. S. Yu, A. Gomez-Exposito, S. Wang, I. Kamwa, S. Akhlaghi, L. Mili, V. Terzija, A. P. S. Meliopoulos, B. Pal, A. K. Singh, A. Abur, T. Bi, and A. Rouhani, “Roles of Dynamic State Estimation in Power System Modeling, Monitoring and Operation,” *IEEE*

- Trans. Power Syst.*, vol. 36, no. 3, pp. 2462–2472, May 2021. [Online]. Available: <https://ieeexplore.ieee.org/document/9210125/>
- [28] D. Simon, *Optimal state estimation: Kalman, H [infinity] and nonlinear approaches*. Hoboken, N.J: Wiley-Interscience, 2006, oCLC: ocm64084871.
- [29] Z. Anthony, *Mesin Dasar Listrik*. ITP Press, 2018.
- [30] M. Sadeghiera, H. Lesani, H. Monsef, and A. Darabi, “Air Gap Optimization of High-Speed Axial-Flux PM Generator,” *J. of Applied Sciences*, vol. 9, no. 10, pp. 1915–1921, May 2009. [Online]. Available: <https://www.scialert.net/abstract/?doi=jas.2009.1915.1921>
- [31] M. Darmawan, “Kajian Pustaka: Generator Sinkron.” Politeknik Negeri Surabaya, 2017.
- [32] W. Ali, H. Farooq, W. Abbas, and M. Usama, “PID VS PI Control of Speed Governor for Synchronous Generator Based Grid Connected Micro Hydro Power Plant,” *Journal of Faculty of Engineering & Technology*, no. 24(1), pp. 53–62, 2017.
- [33] J. Machowski, J. Bialek, and J. R. Bumby, *Power system dynamics and stability*. Chichester ; New York: John Wiley, 1997.
- [34] P. Kundur, N. Balu, and M. Lauby, *Power System Stability and Control*, ser. EPRI power system engineering series. McGraw-Hill Education, 1994. [Online]. Available: <https://books.google.co.id/books?id=wOISAAAAMAAJ>
- [35] I. Robandi and J. A. R. Hakim, “Penalaan Power System Stabilizer (PSS) untuk Perbaikan Stabilitas Dinamik pada Sistem Tenaga Listrik Menggunakan Bat Algorithm (BA),” vol. 4, no. 1, 2015.
- [36] M. Electric, “Integral of Accelerating Power Type PSS (Power System Stabilizer),” 2001.
- [37] S. Julier and J. Uhlmann, “Unscented Filtering and Nonlinear Estimation,” *Proc. IEEE*, vol. 92, no. 3, pp. 401–422, Mar. 2004. [Online]. Available: <http://ieeexplore.ieee.org/document/1271397/>
- [38] P. W. Sauer, M. A. Pai, and J. H. Chow, *Power System Dynamics and Stability: With Synchrophasor Measurement and Power System Toolbox*. IEEE PRESS, 2018.