

DAFTAR PUSTAKA

- [1] S. Tsegaye and K. A. Fante, “Analysis of Synchronous Machine Excitation Systems: Comparative Study.”
- [2] S. Sesnic, A. Soldo, and D. Poljak, “Transient Impedance of the Synchronous Generator Grounding Electrode due to Short Circuit Current,” in *Proceedings of the 2020 International Symposium on Electromagnetic Compatibility - EMC EUROPE, EMC EUROPE 2020*, Institute of Electrical and Electronics Engineers Inc., Sep. 2020. doi: [10.1109/EMCEUROPE48519.2020.9245753](https://doi.org/10.1109/EMCEUROPE48519.2020.9245753).
- [3] O. V. Gazizova, G. P. Kornilov, and A. P. Sokolov, “Development of a System for Regulating the Excitation of Synchronous Generators of Factory Power Plants Connected to a Powerful Energy System,” in *Proceedings - International Ural Conference on Measurements, UralCon*, Institute of Electrical and Electronics Engineers Inc., 2022, pp. 229–233. doi: [10.1109/UralCon54942.2022.9906730](https://doi.org/10.1109/UralCon54942.2022.9906730).
- [4] A. G. Baayeh, “Application of hilbert-huang transform to protect synchronous generator against loss of excitation,” in *2020 15th International Conference on Protection and Automation of Power Systems, IPAPS 2020*, Institute of Electrical and Electronics Engineers Inc., Dec. 2020, pp. 84–88. doi: [10.1109/IPAPS52181.2020.9375596](https://doi.org/10.1109/IPAPS52181.2020.9375596).
- [5] S. Schmuelling, C. Kreischer, and M. Gołębiowski, “Maszyny Elektryczne-Zeszyty Problemowe Nr 3/2015 (107) 89 COMPARISON OF DIFFERENT

METHODS FOR EXCITATION OF SYNCHRONOUS MACHINES.”

- [6] R. E. Pivetta, I. L. Dal Forno, L. G. Scherer, R. F. De Camargo, and F. B. Grigoletto, “Self-Excited Induction Generator Based Generation System Regulation Using Synchronous Generator as Reactive Power Compensator,” in *2022 14th Seminar on Power Electronics and Control, SEPOC 2022*, Institute of Electrical and Electronics Engineers Inc., 2022. doi: 10.1109/SEPOC54972.2022.9976454.
- [7] R. Kumar and A. Kumar, “Reactive Power Cost Characteristics for Synchronous Generator in Deregulated Electricity Markets.”
- [8] Y. A. Ahmed, Y. I. M. Al-Mashhadany, and M. A. Nayyef, “High performance of excitation system for synchronous generator based on modeling analysis,” *Bulletin of Electrical Engineering and Informatics*, vol. 9, no. 6, pp. 2235–2243, Dec. 2020, doi: 10.11591/eei.v9i6.2627.
- [9] M. U. Naseer, B. Asad, P. S. Ghahfarokhi, A. Kallaste, T. Vaimann, and A. Rassolkin, “Experimental Determination of Equivalent Circuit Parameters for a Synchronous Generator,” in *2021 IEEE Open Conference of Electrical, Electronic and Information Sciences, eStream 2021 - Proceedings*, Institute of Electrical and Electronics Engineers Inc., Apr. 2021. doi: 10.1109/eStream53087.2021.9431442.
- [10] A. Kutsyk, M. Semeniuk, M. Khai, and T. Galantyi, “An Experimental Study of a Voltage Control Quality of a Diesel-Engine Synchronous Generator with a Phase-Compounding Excitation System,” in *Proceedings of the 25th IEEE International Conference on Problems of Automated Electric Drive. Theory*

and Practice, PAEP 2020, Institute of Electrical and Electronics Engineers Inc., Sep. 2020. doi: 10.1109/PAEP49887.2020.9240899.

- [11] A. Annisa, W. Winarso, and W. Dwiono, “Analisis Pengaruh Perubahan Beban Terhadap Karakteristik Generator Sinkron,” *J. Ris. Rekayasa Elektro*, vol. 1, no. 1, 2019, doi: 10.30595/jrre.v1i1.4928.
- [12] T. H. Syahrizal, “Teknik Elektro,” Studi Pengaruh Arus Eksitasi untuk Mengatur Tegangan Keluaran Generator di PT. Indonesia Power UBP Kamojang Unit 2, pp. 1-12, 2016.
- [13] Yudistira Heri Istanto. (2019). Analisis Pengaruh Arus Eksitasi Pada Generator Sinkron Terhadap Pembebanan Di PLTA Wlingi PT PJB UP Brantas. *Jurnal Qua Teknika*, 9(1), 43–55.
- [14] IEEE Electromagnetic Compatibility Society, IEEE Industry Applications Society, IEEE Power & Energy Society, Institute of Electrical and Electronics Engineers, and I. Industrial and Commercial Power Systems Europe (2nd : 2018 : Palermo, 2018 conference proceedings : 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC).
- [15] S. M. Toufighian, J. Faiz, and A. Erfani-Nik, “Static Eccentricity Fault Detection in Salient and Non-Salient Synchronous Generators Using Harmonic Components,” in *2021 12th Power Electronics, Drive Systems, and Technologies Conference, PEDSTC 2021*, Institute of Electrical and Electronics Engineers Inc., Feb. 2021. doi: 10.1109/PEDSTC52094.2021.9405971.

- [16] R. Hongtao, “Analysis of the Short Circuit at the Outlet of Self-excited Synchronous Generator,” in *2020 5th International Conference on Power and Renewable Energy, ICPRE 2020*, Institute of Electrical and Electronics Engineers Inc., Sep. 2020, pp. 221–224. doi: 10.1109/ICPRE51194.2020.9233222.
- [17] H. Xu, J. Su, N. Liu, Y. Shi, and Y. Du, “A Grid-Connected PV-energy Storage System with Synchronous Generator Characteristics.”
- [18] H. Herudin and W. D. Prasetyo, “Rancang Bangun Generator Sinkron 1 Fasa Magnet Permanen Kecepatan Rendah 750 RPM,” *Setrum Sist Kendali-Tenaga-elektronika-telekomunikasi-komputer*, vol. 5, no. 1, p. 11, 2016, doi: 10.36055/setrum.v5i1.886.
- [19] S. Armansyah, “Pengaruh Penguatan Medan Generator Sinkron Terhadap Tegangan Terminal,” *J. Tek. Elektro UISU*, vol. 1, no. 3, pp. 48–55, 2016
- [20] Mufrizon, E (2016). *Pemeriksaan dan Pengujian Kelaikan Operasi Instalasi Pembangkit Tenaga Listrik*(Vol.7)Pekanbaru: Universitas Lancang Kuning.
- [21] Atmam, A., Zondra, E., & Monice, M. (2020). Analisis Pengaruh Perubahan Tegangan Dan Frekuensi Sumber Terhadap Tegangan Keluaran Rectifier. Prosiding Seminar Pakar Ke 3 Tahun 2020, Buku 1: Sainas Dan Teknologi, 1–6. Pekanbaru
- [22] H. Fang and J. Zhang, “Design and Analysis of Superconducting Synchronous Generator for Wave Energy Conversion,” in *2020 IEEE International Conference on Applied Superconductivity and Electromagnetic Devices, ASEMD 2020*, Institute of Electrical and Electronics Engineers Inc.,

Oct. 2020. doi: 10.1109/ASEMD49065.2020.9276286.

- [23] P. Popovski, G. Veljanovski, B. Arapinovski, and M. Atanasovski, “Electromagnetic Analysis of Synchronous Generator,” in *2021 56th International Scientific Conference on Information, Communication and Energy Systems and Technologies, ICEST 2021 - Proceedings*, Institute of Electrical and Electronics Engineers Inc., Jun. 2021, pp. 189–192. doi: 10.1109/ICEST52640.2021.9483490.

