

## DAFTAR PUSTAKA

- [1] “Laporan Kinerja Kementerian Energi dan Sumber Daya Mineral Tahun 2022”, The Ministry of Energy and Mineral Resources of the Republic of Indonesia, 2022.
- [2] Olczykowski, Z. Electric Arc Furnaces as a Cause of Current and Voltage Asymmetry. *Energies* 2021, 14, 5058.
- [3] J. L. Aguero, F. Issouribehere and P. E. Battaiotto, "STATCOM modeling for mitigation of voltage fluctuations caused by electric arc furnaces," 2006 IEEE Power Engineering Society General Meeting, Montreal, QC, Canada, 2006, pp. 8 pp.-, doi: 10.1109/PES.2006.1709002.
- [4] A. M. Sharaf and B. Khaki, "A FACTS based switched capacitor compensation scheme for smart grid applications," 2012 International Symposium on Innovations in Intelligent Systems and Applications, Trabzon, Turkey, 2012, pp. 1-5
- [5] Sreewirote and A. Ngaopitakkul, "Analysis of power quality issue in arc furnace capacitor bank system," 2016 19th International Conference on Electrical Machines and Systems (ICEMS), Chiba, Japan, 2016.
- [6] P. Chopade, M. Bikdash, I. Kateeb and A. D. Kelkar, "Reactive power management and voltage control of large Transmission System using SVC (Static VAR Compensator)," 2011 Proceedings of IEEE Southeastcon, Nashville, TN, USA, 2011, pp. 85-90, doi: 10.1109/SECON.2011.5752911.
- [7] A. M. Eltamaly, A. -H. M. El-Sayed, Y. S. Mohamed and A. N. A. Elghaffar, "A Modified Techniques of Transmission System by Static Var Compensation (SVC) for Voltage Control," 2019 8th International Conference on Modeling Simulation and Applied Optimization (ICMSAO), Manama, Bahrain, 2019, pp. 1-5, doi: 10.1109/ICMSAO.2019.8880338.
- [8] Ashfaq Hussain, et al. Optimal Allocation of Flexible AC Transmission System Controllers in Electric Power Networks. *INAE Letters* (2018) 3:41–64.
- [9] A. Pekdemir and A. B. Yildiz, "Analysis and modelling of FC-TCR based on static VAR compensator," 2018 5th International Conference on Electrical and Electronic Engineering (ICEEE), Istanbul, Turkey, 2018, pp. 115-118, doi: 10.1109/ICEEE2.2018.8391312.
- [10] C. Schauder, "STATCOM for compensation of large electric arc furnace

- installations," 1999 IEEE Power Engineering Society Summer Meeting. Conference Proceedings (Cat. No.99CH36364), Edmonton, AB, Canada, 1999, pp. 1109-1112 vol.2, doi: 10.1109/PSS.1999.787473.
- [11] H. Samet and M. A. Jarrahi, "A comparison between SVC and STATCOM in flicker mitigation of electric arc furnace using practical recorded data," 2015 30th International Power System Conference (PSC), Tehran, Iran, 2015, pp. 300-304.
- [12] M. G. Kashani, S. Babaei and S. Bhattacharya, "SVC and STATCOM application in Electric Arc Furnace efficiency improvement," 2013 4th IEEE International Symposium on Power Electronics for Distributed Generation Systems (PEDG), Rogers, AR, USA, 2013.
- [13] A. M. Abdelmohsen, O. M. Hebala and M. S. Hamad, "Comparative Study of SVC and STATCOM Performance on Reactive Power Compensation in Hot Strip Mill," 2023 IEEE Conference on Power Electronics and Renewable Energy (CPERE), Luxor, Egypt, 2023, pp. 1-7.
- [14] Penangsang, Ontoseno. "Analisis Aliran Daya". ITS Press. 2006.
- [15] Saadat, Hadi. "Power System Analysis". McGraw-Hill. 1999.
- [16] "IEEE Guide for the Application of Shunt Power Capacitors," in IEEE Std 1036-2010 (Revision of IEEE Std 1036-1992).
- [17] A. Bhatia, "Power Factor in Electrical Energy Management," PDH Online, vol.144, pp. 1-41, 2012
- [18] A. Garg and S. K. Agarwal, "Modeling and Simulation of Static Var Compensator for Improvement of Voltage Stability in Power System," 2011.
- [19] "IEEE Guide for Specification of Transmission Static Synchronous Compensator (STATCOM) Systems," in IEEE Std 1052-2018.
- [20] E. A. Cano Plata, A. J. Ustariz Farfan and O. J. Soto Marin, "Electric arc furnace model in distribution systems," 2014 IEEE Industry Application Society Annual Meeting, Vancouver, BC, Canada, 2014.
- [21] T. J. E. Miller and A. R. Oltrogge, "Reactive Compensation and the Electric Arc Furnace," 1981 Annual Meeting Industry Applications Society, Philadelphia, PA, USA, 1981.
- [22] J.-C. Bournert, et al., "Dynamic modeling of the electric arc furnace process using artificial neural networks," La Revue de Metallurgie-CIT, pp. 839- 849, 2002.

- [23] R. F. Burch, "Thoughts on improving the electric arc furnace model," in *Power and Energy Society General Meeting Conversion and Delivery of Electrical Energy in the 21st Century*, 2008 IEEE2008, pp. 1-5.
- [24] Go, et al., "A New Field-Data-Based EAF Model for Power Quality Studies," *Industry Applications*, IEEE Transactions on, vol. 46, pp. 1230-1242, 2010.
- [25] R. Horton, et al., "A Time-Domain AC Electric Arc Furnace Model for Flicker Planning Studies," *Power Delivery*, IEEE Transactions on, vol. 24, pp. 1450- 1457, 2009.
- [26] L. W. White and S. Bhattacharya, "A single phase PSCad electric arc furnace model," in *IECON 2012 - 38th Annual Conference on IEEE Industrial Electronics Society*, 2012, pp. 5352-5356.
- [27] Olczykowski, Z.; Czyz, J. The Method of Determining the Electrical Parameters, Especially the Resistance and Reactance of the High-Current Path of the Arc Furnace (Sposób Wyznaczania Parametrów Elektrycznych Zwłaszcza Rezystancji i Reaktancji toru Wielkopowadowego Pieca Łukowego). Patent No. 224767, 5 July 2016.
- [28] Peraturan Menteri ESDM No.20 tahun 2020. "Aturan Jaringan Sistem Tenaga Listrik (Grid Code)".2020.
- [29] I N. Aditya, L. M. Putranto, R. Irnawan and R. F. Mochamad, "Impact Assessment and Mitigation of a Power System with Dynamic Electric Arc Furnace Load," 2024 16th International Conference on Information Technology and Electrical Engineering (ICITEE), Indonesia, 2024.
- [30] IEEE 39 Bus New England System - Technical User Guide, DigSILENT PowerFactory 2023 SP3A, Germany.
- [31] F. Gonzalez-Longatt and J. Rueda, *PowerFactory Applications for Power System Analysis*. 2014.
- [32] A. Sode-Yome, N. Mithulananthan and K. Y. Lee, "A Comprehensive Comparison of FACTS Devices for Enhancing Static Voltage Stability," *2007 IEEE Power Engineering Society General Meeting*, Tampa, FL, USA, 2007
- [33] A. Siddique, Y. Xu, W. Aslam and M. Rasheed, "A Comprehensive Study on FACTS Devices to Improve the Stability and Power Flow Capability in Power System," *2019 IEEE Asia Power and Energy Engineering Conference (APEEC)*, Chengdu, China, 2019