

DAFTAR PUSTAKA

- [1] Hida, A. et al., "Impact of Distributed PV Penetration on Power Transmission Lines," IEEE, 2024.
- [2] Shriya, U. & Veena, H.S., "Increasing Grid Power Transmission Using PV-STATCOM," IEEE, 2021.
- [3] Zheng, Z. et al., "Influence of Grid-Connected Photovoltaic Power Plants on Transmission Line Losses and Solution Strategy," IEEE, 2024.
- [4] Alharbi, B. & Jayaweera, D., "Smart Power System Operation with Dynamic Thermal Limits on Critical Transmission Lines and Integration of Large PV Systems," IEEE, 2019.
- [5] Bappenas, "Jelang 3rd DWG Meeting, Bappenas Tajamkan Strategi Transformasi Ekonomi Indonesia," Bappenas, 2024. [Online]. Available: <https://www.bappenas.go.id/en/berita/jelang-3rd-dwg-meeting-bappenas-tajamkan-strategi-transformasi-ekonomi-indonesia7F5wh>. [Accessed: Jul. 9, 2024].
- [6] PT PLN (Persero), "Rencana Usaha Penyediaan Tenaga Listrik (RUPTL) 2021 - 2030," PT PLN (Persero), Jakarta, Indonesia, 2021.
- [7] N. Troy, D. Flynn and M. O'Malley, "Multi-Mode Operation of Combined-Cycle Gas Turbines With Increasing Wind Penetration," in IEEE Transactions on Power Systems, vol. 27, no. 1, pp. 484-492, Feb. 2012.
- [8] S. Rahman, H. Aburub, M. Moghaddami and A. I. Sarwat, "Reverse Power Flow Protection in Grid Connected PV Systems," SoutheastCon 2018, St. Petersburg, FL, USA, 2018, pp. 1-5.
- [9] Y. Chai et al., "Hierarchical Distributed Optimal Power Flow of HV and MV Distribution Networks With Continuous and Discrete Devices," in IEEE Transactions on Power Systems, vol. 38, no. 2, pp. 1009-1021, March 2023.
- [10] Q. Zhao, Z. Han, S. Wang, Q. Li, Y. Dong and H. Mu, "Optimal Location and Capacity Planning of PV in AC/DC Distribution Network Based on Improved Particle Swarm Algorithm," EMIE 2022; The 2nd International Conference on Electronic Materials and Information Engineering, Hangzhou, China, 2022, pp. 1-5.
- [11] M. Basnet, B. Poudel, E. Amiri and P. Rastgoufard, "Optimization Framework to Determine Optimal Location and Sizing of Photovoltaic Energy Sources in Electric Grids," in IEEE Kansas Power and Energy Conference (KPEC),

- [12] S. Chowdhury and T. Matlokotsi, "Optimal placement and sizing of renewable distributed generation in electricity networks considering different load models," 52nd International Universities Power Engineering Conference (UPEC), Heraklion, Greece, 2017, pp. 1-6.
- [13] A. Uniyal and A. Kumar, "Comparison of optimal DG placement using CSA, GSA, PSO and GA for minimum real power loss in radial distribution system," IEEE 6th International Conference on Power Systems (ICPS), New Delhi, India, 2016, pp. 1-6.
- [14] M. G. S. Wicaksana, L. M. Putranto, F. Waskito and M. Yasirroni, "Optimal Placement and Sizing of PV as DG for Losses Minimization Using PSO Algorithm: a Case in Purworejo Area," International Conference on Sustainable Energy Engineering and Application (ICSEEA), Tangerang, Indonesia, 2020, pp. 1-6.
- [15] M.R. AlRashidi, M.F. AlHajri, "Optimal planning of multiple distributed generation sources in distribution networks: A new approach", Energy Conversion and Management, vol. 52, no. 11, 2011, Pages 3301-3308.
- [16] M.M. Aman, G.B. Jasmon, A.H.A. Bakar, H. Mokhlis, "A new approach for optimum DG placement and sizing based on voltage stability maximization and minimization of power losses", Energy Conversion and Management, vol. 70, 2013, Pages 202-210.
- [17] R. F. Hakiim, Wardaniawan, V. R. Afrina, L. M. Putranto and Tiyono, "Optimal PVF Size and Location Determination in Kudus Distribution System Using Particle Swarm Optimization (PSO)," International Conference on Sustainable Energy Engineering and Application (ICSEEA), Tangerang, Indonesia, 2020, pp. 1-6.
- [18] L. J. V. Miranda, "PySwarms, a research toolkit for Particle Swarm Optimization in Python," Journal of Open Source Software, vol. 3, no. 21, 2018.
- [19] J. Kennedy and R. Eberhart, "Particle swarm optimization," Proceedings of ICNN'95 - International Conference on Neural Networks, Perth, WA, Australia, vol.4, pp. 1942-1948, 1995.

- [20] W. Wang, Z. Zhang, et al., “Irradiance-to-power conversion based on physical model chain,” *Renewable and Sustainable Energy Reviews*, vol. 167, 2022.
- [21] C. Li, Y. Xu, et al., “Assessing solar-to-PV power conversion models: Physical, ML, and hybrid approaches across diverse scales,” *Energy*, vol. 323, 2025.