

## DAFTAR PUSTAKA

- [1] S. Amara, S. Toumi, C. Ben Salah, and A. S. Saidi, "Improvement of techno-economic optimal sizing of a hybrid off-grid micro-grid system," *Energy*, vol. 233, Oct. 2021, doi: 10.1016/j.energy.2021.121166.
- [2] A. Traoré, H. Elgothamy, and M. A. Zohdy, "Optimal Sizing of Solar/Wind Hybrid Off-Grid Microgrids Using an Enhanced Genetic Algorithm," *Journal of Power and Energy Engineering*, vol. 06, no. 05, pp. 64–77, 2018, doi: 10.4236/jpee.2018.65004.
- [3] I. Amin, "Optimasi Kapasitas Pembangkit Daya Listrik Pada Sistem Hybrid Pembangkit Energi Terbarukan," Andalas University, 2023.
- [4] K. Samuel Owoeye *et al.*, "Sensitivity Analysis of an Optimal Hybrid Renewable Energy System for Sustainable Power Supply to a Remote Rural Community," *International Journal of Advances in Engineering and Management (IJAEM)*, vol. 4, p. 1177, 2022, doi: 10.35629/5252-040411771194.
- [5] D. Novita, N. Putri, K. Sari, C. G. Irianto, M. S. Widaja, and J. L. Kyai, "Desain Microgrid untuk Militer di Indonesia," *Jurnal Ilmiah Teknik Elektro*, vol. 22, no. 1, pp. 105–120, 2024, doi: 10.25105/jetri.v22i1.19294.
- [6] N. Safitri, T. Rihayat, and S. Riskina, *Teknologi Photovoltaic*, 1st ed. 2019. [Online]. Available: <https://www.researchgate.net/publication/341909134>
- [7] R. Aazami, O. Heydari, J. Tavoosi, M. Shirkhani, A. Mohammadzadeh, and A. Mosavi, "Optimal Control of an Energy-Storage System in a Microgrid for Reducing Wind-Power Fluctuations," *Sustainability (Switzerland)*, vol. 14, no. 10, May 2022, doi: 10.3390/su14106183.
- [8] J. Y. Lee, A. K. Ramasamy, K. H. Ong, R. Verayiah, H. Mokhlis, and M. Marsadek, "Energy storage systems: A review of its progress and outlook, potential benefits, barriers and solutions within the Malaysian distribution network," *J Energy Storage*, vol. 72, Nov. 2023, doi: 10.1016/j.est.2023.108360.
- [9] D. Purnama Sari and R. Nazir, "OPTIMALISASI DESAIN SISTEM PEMBANGKIT LISTRIK TENAGA HYBRID DIESEL GENERATOR – PHOTOVOLTAIC ARRAY MENGGUNAKAN HOMER (STUDI KASUS: DESA SIRILOGUI, KABUPATEN KEPULAUAN MENTAWAI)," 2015.

- [10] M. J. B. Kabeyi and O. A. Olanrewaju, "The levelized cost of energy and modifications for use in electricity generation planning," *Energy Reports*, vol. 9, pp. 495–534, Sep. 2023, doi: 10.1016/j.egyr.2023.06.036.
- [11] M. Abas, "ANALISIS SENSITIVITAS PERENCANAAN PRODUKSI GULA PASIR DENGAN METODE GOAL PROGRAMMING DI GORONTALO (Studi Kasus : PT. PG Gorontalo)," 2021.
- [12] K. Butar-Butar and J. R. Horman, "ANALISIS SENSITIVITAS di PT AE," *Jurnal Penelitian Tambang*, vol. 4, 2021.
- [13] S. Muzid, "Dinamisasi Parameter Algoritma Genetika Menggunakan Population Resizing On Fitness Improvement Fuzzy Evolutionary Algorithm," *Prosiding SNATIF Ke-1*, pp. 145–152, 2014.
- [14] D. Hermawanto, "Genetic Algorithm for Solving Simple Mathematical Equality Problem".
- [15] Harminto Mulyo, "Penerapan Algoritma Genetika Dalam Efisiensi Persediaan Bahan Baku Mebel Di UD. Mebel Jat," *J Teknol*, vol. 2, pp. 155–165, 2019.
- [16] I. H. Sugeha, R. L. Inkiriwang, and P. A. K. Pratatis, "Optimasi Penjadwalan Menggunakan Metode Algoritma Genetika Pada Proyek Rehabilitasi Puskesmas Minanga," *Jurnal Sipil Statik*, vol. 7, no. 12, pp. 1669–1680, 2019.
- [17] Y. Shailender and M. K. Ahirwal, "Analysis and testing of different penalty function methods and genetic algorithm for solving beam-slab layout design problem," *AIP Conf Proc*, vol. 2755, no. 1, 2023, doi: 10.1063/5.0148353.
- [18] Roberto Parujian Sitanggang and Lasker Pangarapan Sinaga, "Analisis Optimisasi Program Kuadratik Dengan Fungsi Penalty," *Jurnal Riset Rumpun Ilmu Pendidikan*, vol. 2, no. 1, pp. 32–42, 2023, doi: 10.55606/jurripen.v2i1.812.
- [19] S. Lee, D. Ph, A. M. Asce, T. Kang, and D. Ph, "Analysis of Constrained Optimization Problems by the SCE-UA with an Adaptive Penalty Function," pp. 1–11, 2010, doi: 10.1061/(ASCE)CP.1943-5487.0000493.