

DAFTAR PUSTAKA

- [1] A. Lomi *et al.*, “Model design of an architectural grid-connected photovoltaic system,” *PEAS*, vol. 71, no. 4, p. 326, 2022, doi: 10.3176/proc.2022.4.03.
- [2] S. Phiouthonekham and S. Chaitusaney, “Mitigating impact of partial shading on photovoltaic array configuration by using rearrangement,” in *2015 12th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON)*, Hua Hin, Cha-am, Thailand: IEEE, Jun. 2015, pp. 1–6. doi: 10.1109/ECTICon.2015.7207052.
- [3] A. Soetedjo, Y. I. Nakhoda, A. Lomi, and G. E. Hendroyono, “Development of PV simulator by integrating software and hardware for laboratory testing,” in *2015 International Conference on Automation, Cognitive Science, Optics, Micro Electro-Mechanical System, and Information Technology (ICACOMIT)*, Bandung, Indonesia: IEEE, Oct. 2015, pp. 96–100. doi: 10.1109/ICACOMIT.2015.7440183.
- [4] K. Sundareswaran, P. Sankar, P. S. R. Nayak, S. P. Simon, and S. Palani, “Enhanced Energy Output From a PV System Under Partial Shaded Conditions Through Artificial Bee Colony,” *IEEE Trans. Sustain. Energy*, vol. 6, no. 1, pp. 198–209, Jan. 2015, doi: 10.1109/TSTE.2014.2363521.
- [5] J. C. Teo, R. H. G. Tan, V. H. Mok, V. K. Ramachandaramurthy, and C. Tan, “Impact of Partial Shading on the P-V Characteristics and the Maximum Power of a Photovoltaic String,” p. 22, 2018.
- [6] H. Li, D. Yang, W. Su, J. Lu, and X. Yu, “An Overall Distribution Particle Swarm Optimization MPPT Algorithm for Photovoltaic System Under Partial Shading,” *IEEE Trans. Ind. Electron.*, vol. 66, no. 1, pp. 265–275, Jan. 2019, doi: 10.1109/TIE.2018.2829668.
- [7] H. R. Mirazizi and M. A. Shafiyi, “A Comprehensive Analysis of Partial Shading Effect on Output Parameters of a Grid-connected PV System,” *IJECE*, vol. 8, no. 2, p. 749, Apr. 2018, doi: 10.11591/ijece.v8i2.pp749-762.
- [8] S. R. Pendem and S. Mikkili, “Modelling and performance assessment of PV array topologies under partial shading conditions to mitigate the mismatching power losses,” *Solar*

- Energy*, vol. 160, pp. 303–321, Jan. 2018, doi: 10.1016/j.solener.2017.12.010.
- [9] “Modeling and Simulation of MPPT Sepic Converter Using Modified PSO to Overcome Partial Shading Impact on DC Microgrid System,” in *2017 International Electronics Symposium on Engineering Technology and Applications (IES-ETA)*, Surabaya, Indonesia: IEEE, 2017.
- [10] S. Khatoon, Ibraheem, and M. F. Jalil, “Feasibility analysis of solar photovoltaic array configurations under partial shading conditions,” in *2015 Annual IEEE India Conference (INDICON)*, New Delhi, India: IEEE, Dec. 2015, pp. 1–6. doi: 10.1109/INDICON.2015.7443701.
- [11] V. B. Raju and Ch. Chengaiah, “Power Enhancement of Solar PV Arrays Under Partial Shading Conditions with Reconfiguration Methods,” in *2019 Innovations in Power and Advanced Computing Technologies (i-PACT)*, Vellore, India: IEEE, Mar. 2019, pp. 1–7. doi: 10.1109/i-PACT44901.2019.8960012.
- [12] B. I. Rani, G. S. Ilango, and C. Nagamani, “Enhanced Power Generation From PV Array Under Partial Shading Conditions by Shade Dispersion Using Su Do Ku Configuration,” *IEEE Trans. Sustain. Energy*, vol. 4, no. 3, pp. 594–601, Jul. 2013, doi: 10.1109/TSTE.2012.2230033.
- [13] M. F. Jalil, R. Saxena, M. S. Ansari, and N. Ali, “Reconfiguration of photo voltaic arrays under partial shading conditions,” in *2016 Second International Innovative Applications of Computational Intelligence on Power, Energy and Controls with their Impact on Humanity (CIPECH)*, Ghaziabad, India: IEEE, Nov. 2016, pp. 193–200. doi: 10.1109/CIPECH.2016.7918765.
- [14] B. Ramadhani, *Instalasi Pembangkit Listrik Tenaga Surya Ds dan Don'ts*. Jakarta: Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH dan Energising Development (EnDev) Indonesia, 2018.
- [15] V. P. Deshpande and S. B. Bodkhe, “Analysis of Various Connection Configuration of Photovoltaic Module under Different Shading Conditions,” vol. 12, no. 16, 2017.
- [16] K. Lappalainen and S. Valkealahti, “Photovoltaic mismatch losses caused by moving clouds,” *Solar Energy*, vol. 158, Oct. 2017, doi: 10.1016/j.solener.2017.10.001.

- [17] H. Ali and H. A. Khan, "Evaluation of Low-Voltage Loss Under Partial Shading Conditions in Solar Photovoltaic Systems," in *2018 IEEE Energy Conversion Congress and Exposition (ECCE)*, Portland, OR, USA: IEEE, Sep. 2018, pp. 1–6. doi: 10.1109/ECCE.2018.8558269.
- [18] P. K. Bonthagorla and S. Mikkili, "Optimal PV array configuration for extracting maximum power under partial shading conditions by mitigating mismatching power loss," *CSEE JPES*, 2020, doi: 10.17775/CSEEJPES.2019.02730.
- [19] P. T. Sawant and C. L. Bhattar, "Optimization of PV System Using Particle Swarm Algorithm under Dynamic Weather Conditions," in *2016 IEEE 6th International Conference on Advanced Computing (IACC)*, Bhimavaram, India: IEEE, Feb. 2016, pp. 208–213. doi: 10.1109/IACC.2016.47.
- [20] M. Balato, L. Costanzo, and M. Vitelli, "Series-Parallel PV array re-configuration: Maximization of the extraction of energy and much more," *Applied Energy*, vol. 159, pp. 145–160, 2015, doi: <https://doi.org/10.1016/j.apenergy.2015.08.073>.
- [21] S. R. Pendem and S. Mikkili, "Modeling, simulation and performance analysis of solar PV array configurations (Series, Series-Parallel and Honey-Comb) to extract maximum power under Partial Shading Conditions," *Energy Reports*, vol. 4, pp. 274–287, 2018, doi: <https://doi.org/10.1016/j.egyr.2018.03.003>.
- [22] T. Andrianajaina, E. Sambatra, C. Andrianirina, T. D. Razafimahefa, and N. Heraud, "Modeling, analysis and comparison of shading effects in a photovoltaic array using different configurations," Jul. 2017.
- [23] M. K. Al-Smadi and Y. Mahmoud, "Comparative Analysis of Partial Shading Power Losses in Photovoltaic Topologies," in *2019 International Conference on Clean Electrical Power (ICCEP)*, Otranto, Italy: IEEE, Jul. 2019, pp. 699–704. doi: 10.1109/ICCEP.2019.8890218.
- [24] B. Dhanalakshmi and N. Rajasekar, "A novel Competence Square based PV array reconfiguration technique for solar PV maximum power extraction," *Energy Conversion and Management*, vol. 174, pp. 897–912, Oct. 2018, doi: 10.1016/j.enconman.2018.08.077.
- [25] M. H. Nahidan, M. Niroomand, and B. M. Dehkordi, "Power Enhancement under Partial Shading Condition Using a Two-Step Optimal PV Array Reconfiguration," *International Journal of*

Photoenergy, vol. 2021, pp. 1–19, Jan. 2021, doi: 10.1155/2021/8811149.

- [26] K. Choi and H. Liu, Eds., “Matlab and Simulink Basics,” in *Problem-Based Learning in Communication Systems Using Matlab and Simulink*, Hoboken, NJ, USA: John Wiley & Sons, Inc., 2016, pp. 1–15. doi: 10.1002/9781119060239.ch1.