

DAFTAR PUSTAKA

- [1] H. Ritchie, M. Roser, and P. Rosado, “Energy,” OurWorldinData.org. Accessed: Oct. 30, 2024. [Online]. Available: <https://ourworldindata.org/energy/country/indonesia#>
- [2] United Nations, “Causes and Effects of Climate Change,” un.org. Accessed: Oct. 30, 2024. [Online]. Available: <https://www.un.org/en/climatechange/science/causes-effects-climate-change#>
- [3] S. Sharma, P. Khurana, and R. Arora, “Incremental Conductance based Maximum Power Point Tracking (MPPT) for Photovoltaic System,” *Int. J. Comput. Appl.*, vol. 180, no. 48, pp. 43–46, 2018, doi: 10.5120/ijca2018917279.
- [4] A. Chellakhi, S. El Beid, M. El Marghichi, E. M. Bouabdalli, A. Harrison, and H. Abouobaida, “Implementation of a low-cost current perturbation-based improved PO MPPT approach using Arduino board for photovoltaic systems,” *e-Prime - Adv. Electr. Eng. Electron. Energy*, vol. 10, no. October, p. 100807, 2024, doi: 10.1016/j.prime.2024.100807.
- [5] S. R. Chafle and U. B. Vaidya, “Incremental Conductance MPPT Technique FOR PV System,” *Int. J. Adv. Res. Electr. Electron. Instrum. Eng.*, vol. 2, no. 6, pp. 2278–8875, 2013, [Online]. Available: www.ijareeie.com
- [6] D. Teja, R. Challa, and I. Raghavendar, “Implementation of Incremental Conductance MPPT with Direct Control Method Using Cuk Converter,” vol. 2, no. 6, pp. 4491–4496, 2012.
- [7] A. Saleh, K. S. Faiqotul Azmi, T. Hardianto, and W. Hadi, “Comparison of MPPT fuzzy logic controller based on perturb and observe (P&O) and incremental conductance (InC) algorithm on buck-boost converter,” *Proc. - 2018 2nd Int. Conf. Electr. Eng. Informatics Towar. Most Effic. W. Mak. Deal. with Futur. Electr. Power Syst. Big Data Anal. ICon EEI 2018*, no. October, pp. 154–158, 2018, doi: 10.1109/ICon-EEI.2018.8784324.

- [8] G. Wirsuyana, R. Hartati, and I. Manuaba, "Metode Maximum Power Point Tracking pada Panel Surya : Sebuah Tinjauan Literatur," *Techné J. Ilm. Elektrotek.*, vol. 21, no. 2, pp. 211–224, 2022, doi: 10.31358/techne.v21i2.321.
- [9] C. Li, Y. Chen, D. Zhou, J. Liu, and J. Zeng, "A High-Performance Adaptive Incremental Conductance MPPT Algorithm for Photovoltaic Systems," *Energies*, vol. 9, no. 4, 2016, doi: 10.3390/en9040288.
- [10] M. S. Endiz, G. Gökkuş, A. E. Coşgun, and H. Demir, "A Review of Traditional and Advanced MPPT Approaches for PV Systems Under Uniformly Insolation and Partially Shaded Conditions," *Appl. Sci.*, vol. 15, no. 3, 2025, doi: 10.3390/app15031031.
- [11] A. F. Sagonda, K. A. Folly, and A. P. Kenneth, "Comparison of three techniques for maximum power point tracking of solar PV," *IEEE Int. Conf. Fuzzy Syst.*, vol. 2018-July, no. July, pp. 1–8, 2018, doi: 10.1109/Fuzz-Ieee.2018.8491542.
- [12] A. R. Hidayat, "Rancang Bangun Sistem MPPT Incremental Conductance Berbasis Kontroler PID Pada Konverter SEPIC yang Terhubung Panel Surya," 2019, [Online]. Available: <http://repository.ub.ac.id/id/eprint/193205/>
- [13] I. Hussain, M. Zohaib, and E. Babaei, "Modeling, Simulation of Buck Boost Converter with MPPT and Control of Battery Charging Application," *3rd Int. Symp. Multidiscip. Stud. Innov. Technol. ISMSIT 2019 - Proc.*, pp. 1–5, 2019, doi: 10.1109/ISMSIT.2019.8932883.
- [14] S. N. Soheli, G. Sarowar, M. A. Hoque, and M. S. Hasan, "Design and Analysis of a DC -DC Buck Boost Converter to Achieve High Efficiency and Low Voltage Gain by using Buck Boost Topology into Buck Topology," *2018 Int. Conf. Adv. Electr. Electron. Eng. ICAEEE 2018*, pp. 1–4, 2018, doi: 10.1109/ICAEEE.2018.8643001.
- [15] P. R. Prakosa, "Desain dan Implementasi Buck Boost Converter untuk

Kontrol Kecepatan Motor DC Berbasis Fuzzy Logic Controller,” Institut Teknologi Sepuluh Nopember, 2022.

- [16] M. H. Rashid, *Power Electronics Devices, Circuits, and Applications*. 2014.
doi: 10.1109/pedstc.2014.6799390.