

Daftar Pustaka

- [1] F. Afif and A. Martin, "Tinjauan Potensi dan Kebijakan Energi Surya di Indonesia," *J. Engine Energi, Manufaktur, dan Mater.*, vol. 6, no. 1, p. 43, 2022, doi: 10.30588/jeemm.v6i1.997.
- [2] S. Utami and A. Daud, "Pengaruh Temperatur Panel Surya Terhadap Efisiensi Panel Surya Grafik Radiasi terhadap Temperatur," *jurnall Energi*, vol. 10, no. November, pp. 7–10, 2020.
- [3] D. Matusz-Kalász and I. Bodnár, "Operation problems of solar panel caused by the surface contamination," *Energies*, vol. 14, no. 17, 2021, doi: 10.3390/en14175461.
- [4] A. Ramadhan, D. Wardana, R. A. Fadhilah, and E. Eddiyanto, "Potensi Kandungan Zat Lilin Daun Pisang sebagai Spray Anti Air," *J. Sains dan Terap. Kim.*, vol. 14, no. 1, p. 17, 2020, doi: 10.20527/jstk.v14i1.6524.
- [5] A. Kurniawan, "PENGARUH PENAMBAHAN ETHYL CYANOACRYLATE TERHADAP KINERJA LILIN DAUN PISANG SEBAGAI PELAPISAN PANEL SURYA Departemen Teknik Elektro Fakultas Teknik Universitas Andalas," 2025.
- [6] A. Ghaffar, I. A. Channa, and A. D. Chandio, "Mitigating UV-Induced Degradation in Solar Panels through ZnO Nanocomposite Coatings," *Sustain.*, vol. 16, no. 15, pp. 1–16, 2024, doi: 10.3390/su16156538.
- [7] J. Halford and C. F. Chen, "The Role of APTES as a Primer for Polystyrene Coated AA2024-T3," *Micromachines*, vol. 15, no. 1, 2024, doi: 10.3390/mi15010093.
- [8] U. Janssens, "Functional hemodynamic monitoring," 2024. doi: 10.1007/s00063-024-01190-4.
- [9] M. K. S. Al-Ghezi, R. T. Ahmed, and M. T. Chaichan, "The Influence of Temperature and Irradiance on Performance of the Photovoltaic Panel in the Middle of Iraq," *Int. J. Renew. Energy Dev.*, vol. 11, no. 2, pp. 501–513, 2022, doi: 10.14710/ijred.2022.43713.
- [10] A. Al-bashir, M. Al-Dweri, A. Al-ghandoor, B. Hammad, and W. Al-kouz, "Analysis of effects of solar irradiance, cell temperature and wind speed on photovoltaic systems performance," *Int. J. Energy Econ. Policy*, vol. 10, no. 1, pp. 353–359, 2020, doi: 10.32479/ijeep.8591.
- [11] B. P. Suwarti, Wahyono, "Analisis Pengaruh Intensitas Matahari , Suhu Surya," *EKSERGI J. Tek. Energ*, vol. 14, no. 3, pp. 78–85, 2018.
- [12] O. Bamisile, C. Acen, D. Cai, Q. Huang, and I. Staffell, "The environmental factors affecting solar photovoltaic output," *Renew. Sustain. Energy Rev.*, vol. 208, no. August 2024, p. 115073, 2025, doi: 10.1016/j.rser.2024.115073.
- [13] A. Elsafi, B. Aïssa, K. Ilse, and A. Abdallah, "Performance and durability of anti-soiling and anti-reflective coatings for photovoltaic systems in desert climates," *Sol. Energy*, vol. 293, no. April, p. 113446, 2025, doi: <https://doi.org/10.1016/j.solener.2025.113446>.
- [14] R. Guo, Y. Wang, H. Lu, S. Wang, B. Wang, and Q. Zhang, "Micron-Smooth, Robust Hydrophobic Coating for Photovoltaic Panel Surfaces in Arid and Dusty Areas," *Coatings*, vol. 14, no. 2, pp. 1–15, 2024, doi: 10.3390/coatings14020239.
- [15] S. A. Tayel, A. E. Abu El-Maaty, E. M. Mostafa, and Y. F. Elsaadawi, "Enhance the performance of photovoltaic solar panels by a self-cleaning and hydrophobic nanocoating," *Sci. Rep.*, vol. 12, no. 1, pp. 1–13, 2022, doi: 10.1038/s41598-022-