

DAFTAR PUSTAKA

- Ahmad, H., Khijwania, S.K. and Zulkifli, M.Z. (2012) 'Turbidimeter design and analysis: A review on optical fiber sensors for the measurement of water turbidity', *Sensors*, 12(12), pp. 16875–16899.
- Al-Ghezi, M.K., Ahmed, R.T. and Chaichan, M.T. (2022) 'The influence of temperature and irradiance on performance of the photovoltaic panel in the Middle of Iraq', *International Journal of Renewable Energy Development*, 11(2), pp. 501–513.
<https://doi.org/10.14710/ijred.2022.43713>
- Amir, A.A. *et al.* (2025) 'Impact of Climate Variability on Solar Power Plant Electricity Production in Lombok', *Proceedings of IGSC*.
- Ariksa, J., Forestico, A.S.S., Setiawan, Y., Saparin and Wijianti, E.S. (2024) 'Pengaruh pendinginan panel surya terhadap efisiensi daya keluaran', *Machine: Jurnal Teknik Mesin*, 10(1), pp. 36–40.
<https://doi.org/10.33019/jm.v10i1.5055>
- Bamisile, O., Acen, C., Cai, D., Huang, Q. and Staffell, I. (2024) 'The environmental factors affecting solar photovoltaic output'.
- Benghanem, M., Haddad, S., Alzahrani, A., Mellit, A., Almohamadi, H., Khushaim, M. and Aida, M.S. (2023) 'Evaluation of the performance of polycrystalline and monocrystalline PV technologies in a hot and arid region: An experimental analysis', *Sustainability*, 15(20), p. 14831.
<https://doi.org/10.3390/su152014831>
- Bernardo, N., do Carmo, A., Park, E. and Alcântara, E. (2019) 'Retrieval of suspended particulate matter in inland waters with widely differing optical properties using a semi-analytical scheme', *Remote Sensing*, 11(19), p. 2283.
- Daryanto, A. *et al.* (2021) *Handbook Pembangkit Listrik Tenaga Surya*. Jakarta: Institut Teknologi PLN.
- Dubey, S., Sarvaiya, J.N. and Seshadri, B. (2013a) 'Comprehensive study of factors affecting the performance of photovoltaic array', *Renewable and*

- Sustainable Energy Reviews*, 22, pp. 332–344.
- Dubey, S., Sarvaiya, J.N. and Seshadri, B. (2013b) 'Temperature dependent photovoltaic (PV) efficiency and its effect on PV production in the world – A review', *Energy Procedia*, 33, pp. 311–321.
- Duffie, J.A. and Beckman, W.A. (2013) *Solar Engineering of Thermal Processes*. 4th edn. Hoboken: John Wiley & Sons.
- Effendi, H. (2013) *Telaah Kualitas Air bagi Pengelolaan Sumber Daya dan Lingkungan Perairan*. Yogyakarta: Kanisius.
- Effendi, N.E., Abrianto, H. and Sidik, A.D. (2024) 'Analisa Pengaruh Kondisi Panel Surya Kotor dengan Panel Surya Bersih terhadap Energi Listrik yang Dihasilkan', *Jurnal Cahaya Mandalika*.
- Enesal, C., Enesal, I. and Răducu, D. (2023) 'Design and development of cooling systems for solar photovoltaic panels: A review', *Bulletin of Electrical Engineering and Informatics*.
- Fahirah, Y., Yusuf, M. and Wulandari, S. (2024) 'Hubungan konsentrasi nitrat dan tingkat kekeruhan di Perairan Morodemak, Kabupaten Demak', *Indonesian Journal of Oceanography*, 6(2), pp. 139–147. <https://doi.org/10.14710/ijoce.v6i2.17506>
- Fernando, Y. (2021) *Studi Kinerja Panel Surya Tipe 180 WP Berdasarkan Air*. Pekanbaru: Universitas Islam Riau.
- Gholizadeh, M.H., Melesse, A.M. and Reddi, L. (2016) 'A comprehensive review on water quality parameters estimation using remote sensing techniques', *Sensors*, 16(8), p. 1298.
- Green, M.A. (1982) *Solar Cells: Operating Principles, Technology, and System Applications*. Sydney: University of New South Wales.
- Green, M.A. (2003) *Third Generation Photovoltaics: Advanced Solar Energy Conversion*. Berlin: Springer.
- Hidayat, R. and Sholeh, M. (2025) 'Analisis perpindahan panas laju konveksi pada panel photovoltaic terhadap kapasitas baterai menghasilkan listrik'.
- Incropera, F.P., DeWitt, D.P., Bergman, T.L. and Lavine, A.S. (2017) *Fundamentals of Heat and Mass Transfer*. 8th edn. Hoboken: John Wiley & Sons.

- Jereb, B. (2024) 'Solar irradiance stability factors', *Energies*, 17(18), p. 4549.
<https://doi.org/10.3390/en17184549>
- Kusumaningtyas, A.B., Wardhono, S. and Ananda, R.E. (2023) 'Analisis sistem pendinginan panel surya jenis polycrystalline dan monocrystalline', *Jurnal Poli-Teknologi*, 22(1).
- Liang, S. *et al.* (2024) 'Underwater solar energy utilization', *The Innovation Energy*.
- Luque, A. and Hegedus, S. (2011) *Handbook of Photovoltaic Science and Engineering*. 2nd edn. Hoboken: John Wiley & Sons.
<https://doi.org/10.1002/9780470974704>
- Majumder, A. *et al.* (2023) 'Cooling methods for standard and floating PV panels', *Energies*, 16(3).
- Maulana, M.Y., Jati, B.P. and Widiastuti, I. (2024) 'Analisa perbandingan efisiensi konversi energi antara PV (photovoltaic) monocrystalline 50 WP dan polycrystalline 50 WP pada berbagai intensitas cahaya', *Cyclotron: Jurnal Teknik Elektro*, 7(2), pp. 1–7.
- Mekhilef, S., Saidur, R. and Safari, A. (2012) 'A review on solar energy use in industries', *Renewable and Sustainable Energy Reviews*, 15(4), pp. 1777–1790. <https://doi.org/10.1016/j.rser.2010.12.018>
- Mufarida, N.A. (2019) *Perpindahan Panas 1: Konsep dan Penerapannya*.
- Mustofa, M. (2022) 'Pengaruh air mass matahari terhadap kinerja sel surya (photovoltaic) tipe polycrystalline', *Sultra Journal of Mechanical Engineering*.
- Naaz, N. *et al.* (2021) 'Influence of water turbidity upon the solar radiation and underwater photovoltaic performance', *Proceedings of the International Conference on Applied Energy (ICAE 2021)*.
- Nugroho, A.A., Isyanto, H. and Ibrahim, W. (2024) 'Analisa perbandingan kinerja panel surya jenis monocrystalline dan thin film', *RESISTOR (Elektronika Kendali Telekomunikasi Tenaga Listrik Komputer)*, 7(1), pp. 51–58.
- Omar, A.F.B. and MatJafri, M.Z.B. (2009) 'Turbidimeter design and analysis: A review on optical fiber sensors for the measurement of water turbidity',

- Sensors*, 9(10), pp. 8311–8335.
- Pastuszak, J. (2022) 'Photovoltaic cell generations and current research directions'.
- Pramesti, D.S. and Puspikawati, S.I. (2020) 'Analisis uji kekeruhan air minum dalam kemasan yang beredar di Kabupaten Banyuwangi', *Preventif: Jurnal Kesehatan Masyarakat*, 11(2), pp. 75–85.
- Raad, H. *et al.* (2025) 'A comprehensive review of passive and active techniques for photovoltaic cooling', *Applied Thermal Engineering*.
- Skoplaki, E. and Palyvos, J.A. (2009) 'On the temperature dependence of photovoltaic module electrical performance: A review of efficiency/power correlations', *Solar Energy*, 83(5), pp. 614–624.
<https://doi.org/10.1016/j.solener.2008.10.008>
- Suhendar, D.T., Sachoemar, S.I. and Zaidy, A.B. (2020) 'Hubungan kekeruhan terhadap suspended particulate matter (SPM) dan klorofil dalam tambak udang', *Journal of Fisheries and Marine Research*, 4(3), pp. 332–338.
- Syahbani, M.A. *et al.* (2024) 'Analysis of photovoltaic output and current density under low insolation conditions'.
- Tarigan, E. (2025) 'Analysis of energy output variations in a rooftop grid-connected photovoltaic system'.
- Trevathan, J., Read, W. and Schmidtke, S. (2020) 'Towards the development of an affordable and practical light attenuation turbidity sensor for remote near real-time aquatic monitoring', *Sensors*, 20(7), p. 1993.
- Tyagi, V.V., Rahim, N.A.A., Rahim, N.A. and Selvaraj, J.A.L. (2013) 'Progress in solar PV technology: Research and achievement', *Renewable and Sustainable Energy Reviews*, 20, pp. 443–461.
- Wang, C. *et al.* (2025) 'A comprehensive review of research works on cooling methods for photovoltaic panels', *Energies*, 18(16).