DAFTAR PUSTAKA

[1] Rauf Rosnita *et al.*, *Matahari sebagai Energi Masa Depan: Panduan Lengkap Pembangkit Listrik Tenaga Surya (PLTS)*. Padang, 2023.

[2] A. Risdiyanto *et al.*, "Performance of low-cost solar radiation logger," *International Journal of Electrical and Computer Engineering*, vol. 13, no. 4, pp. 3885–3894, Aug. 2023, doi: 10.11591/ijece.v13i4.pp3885-3894.

[3] M. Khumaidi Usman, "Analisis Intensitas Cahaya terhadap Energi Listrik yang Dihasilkan Panel Surya," *Jurnal POLEKTRO: Jurnal Power Elektronik*, vol. 9, no. 2, 2020, [Online]. Available: http://ejournal.poltektegal.ac.id/index.php/powerelektro

[4] Olusola Bamisile, Caroline Acen, Dongsheng Cai, Qi Huang, and Iain Staffell, "The environmental factors affecting solar photovoltaic output," *Renewable and Sustainable Energy Reviews*, vol. 208, 2025, doi: https://doi.org/10.1016/j.rser.2024.115073.

[5] Á. B. da Rocha, E. de M. Fernandes, C. A. C. Dos Santos, J. M. T. Diniz, and W. F. A. Junior, "Development of a real-time surface solar radiation measurement system based on the internet of things (Iot)," *Sensors*, vol. 21, no. 11, Jun. 2021, doi: 10.3390/s21113836.

[6] R. N. Atina, M. Reza, A. Nata, S. Sasmono, W. Priharti, and S. Fairuz Naifa, "Comparison of Solar Power Meter and Intelligence Solar Power Meter and Its Impact on Solar Photovoltaic Design," Bandung, 2023.

[7] Hiscocks P. D., "Measuring Light," Toronto, 2011.

[8] "Fluke FLK-IRR1-SOL Solar Irradiance Meter," Fluke. Accessed: Jan. 05, 2025. [Online]. Available: https://www.fluke.com/en-id/product/electrical-testing/best-solar-energy-industry-tools/flk-irr1-sol#

[9] "SM206-SOLAR," sanpometer. Accessed: Jan. 05, 2025. [Online]. Available: http://en.sanpometer.com/solar_power_meter/244.html

[10] "TES-132 Solar Power Meter," TES Electrical Electronic Corp. Accessed: Jan. 05, 2025. [Online]. Available: https://www.tes.com.tw/en/product_detail.asp?seq=284

[11] “Exposure meter LUTRON SPM-1116SD,” Lutron. Accessed: Jan. 05, 2025. [Online]. Available: https://www.lutroninstruments.eu/exposure-meters/exposure-meter-lutron-spm-1116sd/

[12] O. M. Olatunde, W. A. Alexander, D. O. Feyisayo, E. Theophilus, and K. L. Babatope, “Design and Construction of Ultraviolet and Incoming Solar Irradiance Sensing Device,” *Iraqi Journal of Science*, vol. 63, no. 12, pp. 5197–5207, 2022, doi: 10.24996/ijs.2022.63.12.10.

[13] A. Kiswanto, H. C. Rachmad, A. Solichan, A. H. Saptadi, D. Mariani, and M. T. Prasetyo, “Rancang Bangun Solar Power Meter berbasis Arduino Uno dengan Data Logger untuk Pengukuran Insolasi dan Iradiasi Sinar Matahari,” *AVITEC*, vol. 4, no. 1, p. 99, Feb. 2022, doi: 10.28989/avitec.v4i1.1192.

[14] H. Muin, D. S. Wijayanto, and I. Widiastuti, “Studi Perbandingan Penggunaan Panel Surya dengan Turbin Angin sebagai Sumber Energi Listrik di Kampus Universitas Sebelas Maret Surakarta,” *NOZEL Jurnal Pendidikan Teknik Mesin*, vol. 2, no. 1, p. 27, Feb. 2020, doi: 10.20961/nozel.v1i3.34503.

[15] M. Syafruddin, L. Hakim, and D. Despa, “Metode Regresi Linear untuk Prediksi Kebutuhan Energi Listrik Jangka Panjang (Studi Kasus Provinsi Lampung),” *Jurnal Informatika dan Teknik Elektro Terapan*, vol. 2, no. 2, Apr. 2014, doi: 10.23960/jitet.v2i2.237.

[16] I. Cholissodin, Sutrisno, A. A. S. Soebroto, and U. Hasanah, *AI, Machine Learning & Deep Learning (Teori & Implementasi)*. Malang, 2020. [Online]. Available: http://bit.ly/3piOnnU

[17] S.-G. Kim, J.-Y. Jung, and M. K. Sim, “A Two-Step Approach to Solar Power Generation Prediction Based on Weather Data Using Machine Learning,” *Sustainability*, vol. 11, no. 5, p. 1501, Mar. 2019, doi: 10.3390/su11051501.

[18] A. Walch, R. Castello, A. Kubiniec, J. Dise, P. Keelin, and A. Atkins, “A Fast Machine Learning Model for Large-Scale Estimation of Annual Solar Irradiation on Rooftop,” in *Proceedings of the ISES Solar World Congress 2019 and IEA SHC International Conference on Solar Heating and*

Cooling for Buildings and Industry 2019, International Solar Energy Society, 2020, pp. 2283–2289. doi: 10.18086/swc.2019.45.12.

[19] C. Villegas-Mier, J. Rodriguez-Resendiz, J. Álvarez-Alvarado, H. Jiménez-Hernández, and Á. Odry, "Optimized Random Forest for Solar Radiation Prediction Using Sunshine Hours," *Micromachines (Basel)*, vol. 13, no. 9, p. 1406, Aug. 2022, doi: 10.3390/mi13091406.

[20] D. Ardiansyah, "Perbandingan Model Prediksi Radiasi Matahari Berbasis Mesin Pembelajaran pada Stasiun Meteorologi Fatmawati Soekarno Bengkulu," *Megasains*, vol. 14, no. 1, Sep. 2023, doi: 10.46824/megasains.v14i1.129.

[21] L. Breiman, "Random Forests," 2001.

[22] Y. Yang, X. Luo, X. Chu, and M.-T. Zhou, "IoT Technologies and Applications," in *Fog-Enabled Intelligent IoT Systems*, Cham: Springer International Publishing, 2020, pp. 1–37. doi: 10.1007/978-3-030-23185-9_1.

[23] R. Liang, L. Zhao, and P. Wang, "Performance evaluations of lora wireless communication in building environments," *Sensors (Switzerland)*, vol. 20, no. 14, pp. 1–19, Jul. 2020, doi: 10.3390/s20143828.

[24] P. By ALLDATASHEETCOM, "DS3231 DALLAS." [Online]. Available: www.maxim-ic.com.