

DAFTAR PUSTAKA

- [1] Rouhillah, R. Ikhsan and F. Farih, "Sistem Monitoring Daya Output Photovoltaic Berbasis IoT," *Jurnal J-Innovation*, vol. Vol.11, no. 2, pp. 50-55, Desember 2022.
- [2] L. G. Vargas and T. L. Saaty, "The Analytic Hierarchy Process," *Springer New York Heidelberg Dordrecht London*, vol. 175, no. 2, pp. 1-345, July 2022.
- [3] G. Beaucarne, "Silicon Thin-Film Solar Cells," *Advances in OptoElectronics*, vol. 2007, pp. 1-12, 2007.
- [4] B. Scrosati and J. Garche, "Lithiumbatteries:Status,prospectsandfuture," *Journal of Power Sources*, vol. 195, p. 2419–2430, Mei 2010.
- [5] G. Tang and F. Yan, "Flexible perovskite solar cells: Materials and devices," *Journal of Semiconductors*, vol. 42, no. <http://doi.org/10.1088/1674-4926/42/10/101606>, pp. 1-9, 2021.
- [6] R. Hasrul, "Analisis Efisiensi Panel Surya Sebagai Energi Alternatif," *SainETIn (Jurnal Sain, Energi, Teknologi & Industri)*, vol. vol. 5, no. 2, pp. 79-87, Juni 2021.
- [7] Z. W. Lin, "Triboelectric nanogenerators as new energy technology and self-powered sensors-Principles, problems and perspectives," *The Royal Society of Chemistry*, pp. 1-12, September 2014.
- [8] C. Jalaludin and T. Pangaribowo, "Optimasi Daya Keluaran Pada Solar Panel Dengan Metode Tracking Berbasis Internet Of Things," *Jurnal Teknologi Elektro*, vol. 12, no. 1, pp. 6-11, Januari 2021.
- [9] B. Artono, R. J. K. Haryo and K. A. Yudhoyono, "PV Energy Monitoring and Optimization System with IoT," *International Journal of Social Science and Innovation (IJSSI)*, vol. 1, no. 1, pp. 45-52, 2023.
- [10] R. Hasrul, "Analisis Efisiensi Panel Surya Sebagai Energi Alternatif," *SainETIn (Jurnal Sain, Energi, Teknologi & Industri)*, vol. 5, no. 2, pp. 79-87, Juni 2021.
- [11] Fitri, A. D. Risdhayanti, D. A. Permatasari and G. P. Riatma, "Pengaruh Sudut Propeller JenisPelton terhadap Performa Pembangkit Listrik Nano Hidro Portabel dalam Kegiatan Luar Ruangan," *Jurnal Elkolind*, vol. 10, no. 2, pp. 164-174, Juli 2023.
- [12] M. Suhantoro, L. Handayani and S. Linuwih, "Sejarah Penemuan Nanogenerator Triboelektrik (TENG): Sistem Self-Powered Masa Kini untuk Kebutuhan Energi," *Prosiding Seminar Nasional*, pp. 17-22, 2019.

- [13] D. Hidayanti, G. Dewangga, P. Y. M. P, I. Sarita, F. G. Sumarno and W. P. W, "RANCANG BANGUN PEMBANGKIT HYBRID TENAGA ANGIN DAN SURYA DENGAN PENGGERAK OTOMATIS PADA PANEL SURYA," *Jurnal Teknik Energi*, vol. 15, no. 3, pp. 93-101, September 2019.
- [14] G. Yang, L. Xie, M. Mäntysalo, X. Zhou, Member, IEEE, Z. Pang, L. D. Xu, S. Member, S. K.-W. Kao-Walter, Q. Chen and L. Z. Rong, "A Health-IoT Platform Based on the Integration of Intelligent Packaging, Unobtrusive Bio-Sensor, and Intelligent Medicine Box," *IEEE Transactions on Industrial Informatics*, vol. 10, no. 4, pp. 2180-2191, November 2014.
- [15] A. I. Ramadhan, E. Diniardi and S. H. Mukti, "Analisis Desain Sistem Pembangkit Listrik Tenaga Surya Kapasitas 50 wp," *Teknik*, vol. 37, no. 2, pp. 59-63, 2016.
- [16] F. Afifudin and F. S. Hananto, "OPTIMALISASI TEGANGAN KELUARAN DARI SOLAR CELL MENGGUNAKAN LENS PEMFOKUS CAHAYA MATAHARI," *Jurnal Neutrino*, vol. 4, no. 2, pp. 1-14, 2012.
- [17] A. M. Z. F. Harahap and A. Harijono, "Perbandingan Performansi Panel Surya Tipe Amorphous dan Polycrystalline terhadap Daya Pengisian Baterai Lithium-Ion pada Electric Scooter," *Jurnal Riset dan Konseptual*, vol. 7, no. 4, pp. 1-14, November 2022.
- [18] Rusman, "PENGARUH VARIASI BEBAN TERHADAP EFISIENSI SOLAR CELL DENGAN KAPASITAS 50 WP," *Jurnal Teknik Mesin Univ. Muhammadiyah Metro*, vol. 4, no. 2, pp. 1-7, 2015.
- [19] D. E. Sari and N. Paramytha, "PENGONTROLAN BERBASIS BLYNK PADA LISTRIK HYBRID TENAGA SOLAR CELL DAN PLN UNTUK SUPPLY CADANGAN TENGANGAN 220 VAC," *Bina Darma Conference on Engineering Science*.
- [20] M. A. Prasetyo and H. K. Wardana, "Rancang Bangun Monitoring Solar Tracking System Menggunakan Arduino dan Nodemcu Esp 8266 Berbasis IoT," *Elektronika Kendali Telekomunikasi Tenaga Listrik Komputer*, vol. 4, no. 2, pp. 163-168.
- [21] N. Safitri, T. Rihayat and S. Riskina, *BUKU TEKNOLOGI PHOTOVOLTAIC*, Medan-Banda Aceh: Yayasan Puga Aceh Riset, Juli 2019.
- [22] J. Chatzakis, K. Kalaitzakis, N. C. Voulgaris and S. N. Manias, "Designing a New Generalized Battery Management System," *IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS*, vol. 50, no. 5, pp. 990-999, Oktober 2003.
- [23] J. Bisquert, *The Physics of Solar Cells*.
- [24] A. and S. , "Pengertian dan Cara Kerja Panel Surya," ecatalogue, Agustus 2020. [Online]. Available: <https://www.sanspower.com/pengertian-dan-cara-kerja-panel-surya.html>.

- [25] "Solar Panel POLY," Solar Panel Indonesia, [Online]. Available: https://suryapanelindonesia.com/products/category/2/1/solar_panel_poly/.
- [26] Alibaba, [Online]. Available: https://www.alibaba.com/product-detail/0-5W-1-5V-Solar-Panel_62149267360.html?spm=a2700.7724857.0.0.231256ddo2PyFF.
- [27] Reserchgate, [Online]. Available: https://www.researchgate.net/figure/TP4056-pinout-diagram_fig2_372935044.
- [28] ReserchGate, [Online]. Available: https://www.researchgate.net/figure/Schematic-diagram-of-the-TP4056_fig3_372935044.
- [29] A. Ragupathy, "DIY Power Bank Circuit," Circuit Digest, 2 Januari 2018. [Online]. Available: <https://circuitdigest.com/electronic-circuits/power-bank-circuit>.
- [30] "ShopTronika," Fortune, Agustus 2016. [Online]. Available: <https://www.shoptronica.com/transistores-igbt-mos/6839-transistor-mosfet-ao4468-sop8-smd-0689594125360.html>.
- [31] "Batre Batrai Bai Cas Polymer 3,7V 3,7 Volt 450 Mah Headset Musik," Tokopedia, [Online]. Available: https://www.tokopedia.com/channaaquatik/batre-batrai-bai-cas-polymer-3-7v-3-7-volt-450-mah-headset-musik?extParam=ivf%3Dfalse%26keyword%3D450+mah%26search_id%3D202409030445236C467E7F76C322311XFZ%26src%3Dsearch.
- [32] "INA219 Sensor Current Arus," Sari Teknologi, 2024. [Online]. Available: <https://sariteknologi.com/product/ina219-sensor-current-arus/>.
- [33] "Refrensi GPIO ESP8266 yang seharusnya digunakan," Nyebar Ilmu, Agustus 2019. [Online]. Available: <https://www.nyebarilmu.com/refrensi-gpio-esp8266-yang-seharusnya-digunakan/>.
- [34] "led 5mm merah kuning hijau," Shopee, [Online]. Available: <https://shopee.co.id/led-5mm-merah-kuning-hijau-i.18663910.20609147285>.
- [35] "Bagian-bagian Arduino IDE," Universitas Semarang, [Online]. Available: <https://eskripsi.usm.ac.id/files/skripsi/G21A/2019/G.211.19.0015/G.211.19.0015-05-BAB-II-20230903103508.pdf>.
- [36] "Menyiapkan Aplikasi Blynk untuk Proyek IoT," ditempel, 28 April 2021. [Online]. Available: <https://www.ditempel.com/2021/04/menyiapkan-aplikasi-blynk-untuk-proyek.html>.
- [37] n. "U8 Smartwatch Specs: The Budget-Friendly Option," Smartwatch Crush, 10 Februari 2023. [Online]. Available: <https://smartwatchcrush.com/category/u8-smartwatch/>.

- [38] Gun gun (2024).Desain dan Realisasi Sistem Pemantauan Detak Jantung dan Pelacakan Personal pada Perangkat Kecil. Skripsi. Tidak diterbitkan. Universitas Sangga Buana YPKP Bandung.

