

## DAFTAR PUSTAKA

- [1] Indonesia, undang-undang 2019, *Peraturan Presiden Republik Indonesia nomor 55 tahun 2019 tentang Percepatan Program Kendaraan Bermotor Listrik Berbasis Baterai (Battery Electric Vehicle) Untuk Transportasi Jalan*. Jakarta.
- [2] E. Prianto, “Pengembangan Solar Panel Dan Inverter Sebagai Alat Untuk Charging Baterai Pada Sepeda Listrik,” *J. Edukasi Elektro*, vol. 1, no. 2, pp. 148–156, 2017, doi: 10.21831/jee.v1i2.17419.
- [3] S. Muslimin, “Rancang Bangun Sistem Pengisian Daya Pada Mobil Listrik Solar Cell,” in *Sigma-Mu*, 2015, p. Vol.7 No.2.
- [4] M. Aziz, Y. Marcellino, I. A. Rizki, S. A. Ikhwanuddin, and J. W. Simatupang, “Studi Analisis Perkembangan Teknologi Dan Dukungan Pemerintah Indonesia Terkait Mobil Listrik,” *TESLA J. Tek. Elektro*, vol. 22, no. 1, p. 45, 2020, doi: 10.24912/tesla.v22i1.7898.
- [5] C. Duan *et al.*, “A Solar Power Assisted Battery Balancing System For Electric Vehicles,” *IEEE Trans. Transp. Electrif.*, vol. 4, no. 2, pp. 432–443, 2018, doi: 10.1109/TTE.2018.2817123.
- [6] H. Hermansyah, K. Kasim, and I. K. Yusri, “Solar Panel Remote Monitoring and Control System on Miniature Weather Stations Based on Web Server and ESP32,” *Int. J. Recent Technol. Appl. Sci.*, vol. 2, no. 1, pp. 1–24, 2020, doi: 10.36079/lamintang.ijortas-0201.56.
- [7] A. Muthyala, “Solar Powered Battery Charging System by Using Arduino : Experimental design,” no. June, pp. 52–59, 2023.
- [8] H. E. Edovidata and A. Aswardi, “Perancangan Sistem Pengisian Accumulator Mobil Listrik dengan Sumber Listrik Solar Cell Berbasis Mikrokontroler,” *JTEV (Jurnal Tek. Elektro dan Vokasional)*, vol. 6, no. 1, p. 57, 2020, doi: 10.24036/jtev.v6i1.106749.
- [9] M. Y. Hendrayanto, I. bagus A. Swamardika, and P. A. Mertasana, “Rancang Bangun Sistem Smart Charging menggunakan Panel Surya pada Robot 6WD berbasis Mikrokontroler Arduino,” *Maj. Ilm. Teknol. Elektro*, vol. 17, no. 1, p. 42, Mar. 2018, doi: 10.24843/mite.2018.v17i01.p06.
- [10] I. P. Dharmawan, I. N. S. Kumara, and I. N. Budiastara, “Perkembangan

- Infrastruktur Pengisian Baterai Kendaraan Listrik Di Indonesia,” *J. SPEKTRUM*, vol. 8, no. 3, p. 90, 2021, doi: 10.24843/spektrum.2021.v08.i03.p12.
- [11] I. Susanti and A. , RS Carlos, Firmansyah, “Analisa Penentuan Kapasitas Baterai Dan Pengisiannya Pada Mobil Listrik,” *Elektra*, vol. 4, no. 2, pp. 29–37, 2019.
- [12] D. Kettles *et al.*, “Electric Vehicle Sales and Future Projections,” *Appl. Energy*, vol. 168, no. January, pp. 434–443, 2016, [Online]. Available: <http://fsec.ucf.edu/en/publications/pdf/fsec-cr-1987-14.pdf%5Cnhttp://www.sciencedirect.com/science/article/pii/S0306261916300988%5Cnhttp://dx.doi.org/10.1016/j.jpowsour.2016.09.157%5Cnhttp://dx.doi.org/10.1016/j.epsr.2015.11.019>
- [13] A. P. Sardju and M. Y. H. Abbas, “Perancangan Charge Controller Untuk Pengisian Baterai Pada Sel Surya,” *J. Sci. Eng.*, vol. 4, no. 1, p. 47, 2021, doi: 10.33387/josae.v4i1.3107.
- [14] Z. Peng, M. R. Herfatmanesh, and Y. Liu, “Cooled solar PV panels for output energy efficiency optimisation,” *Energy Convers. Manag.*, vol. 150, pp. 949–955, 2017, doi: 10.1016/j.enconman.2017.07.007.
- [15] E. C. Gouvêa, P. M. Sobrinho, and T. M. Souza, “Spectral response of polycrystalline silicon photovoltaic cells under real-use conditions,” *Energies*, vol. 10, no. 8, pp. 1–13, 2017, doi: 10.3390/en10081178.
- [16] M. Tripathy, P. K. Sadhu, and S. K. Panda, “A critical review on building integrated photovoltaic products and their applications,” *Renew. Sustain. Energy Rev.*, vol. 61, pp. 451–465, 2016, doi: 10.1016/j.rser.2016.04.008.
- [17] H. Kang, T. Hong, and M. Lee, “Technical performance analysis of the smart solar photovoltaic blinds based on the solar tracking methods considering the climate factors,” *Energy Build.*, vol. 190, pp. 34–48, 2019, doi: 10.1016/j.enbuild.2019.02.013.
- [18] L. Ahmad, N. Khordehgah, J. Malinauskaite, and H. Jouhara, “Recent advances and applications of solar photovoltaics and thermal technologies,” *Energy*, vol. 207, p. 118254, 2020, doi: 10.1016/j.energy.2020.118254.
- [19] R. Halid Siregar and dan Chairul Fanni Jurusan Teknik Elektro dan

- Komputer, “Rancang Bangun Sistem Pengisian Baterai Menggunakan Solar Cell Berbasis Mikrokontroler ATmega328.”
- [20] W. Aminah, R. A. Dalimunthe, and R. Aulia, “Rancang Bangun Sistem Pengisi Baterai Mobil Listrik Berbasis Arduino Uno,” *JUTSI (Jurnal Teknol. dan Sist. Informasi)*, vol. 2, no. 2, pp. 103–112, 2022, doi: 10.33330/jutsi.v2i2.1692.
- [21] M. Thowil Afif and I. Ayu Putri Pratiwi, “Analisis Perbandingan Baterai Lithium-Ion, Lithium-Polymer, Lead Acid dan Nickel-Metal Hydride pada Penggunaan Mobil Listrik - Review,” *J. Rekayasa Mesin*, vol. 6, no. 2, pp. 95–99, 2015, doi: 10.21776/ub.jrm.2015.006.02.1.
- [22] D. R. Harahap, J. T. Mesin, M. Negeri, and B. Belitung, “Penguujian Performa Baterai Nickel-Metal Hydride (NiMH) Unyuk Mobil Listrik Satu Penumpang Pada Kompetensi Balap Mobil Listrik ENE1-GP Jepang 2017,” vol. 9, no. 1, pp. 12–85, 2017.
- [23] D. Harjono, W. Widodo, H. Sugiarto, and A. Bakar, “Analisis Kapasitas Dan Pengisian Baterai Pada Mobil Listrik Ponecar,” *J. Elit*, vol. 3, no. 1, pp. 1–10, 2022, doi: 10.31573/elit.v3i1.378.
- [24] M. R. C. Maltezo *et al.*, “Arduino-based battery monitoring system with state of charge and remaining useful time estimation,” *Int. J. Adv. Technol. Eng. Explor.*, vol. 8, no. 76, pp. 432–444, 2021, doi: 10.19101/IJATEE.2021.874023.
- [25] M. Saleh and M. Haryanti, “Rancang Bangun Sistem Keamanan Rumah Menggunakan Relay,” *J. Teknol. Elektro, Univ. Mercu Buana*, vol. 8, no. 2, pp. 87–94, 2017, [Online]. Available: <https://media.neliti.com/media/publications/141935-ID-perancangan-simulasi-sistem-pemantauan-p.pdf>
- [26] M. Ruswandi Djalal, D. Ajiatmo, A. Imran, and I. Robandi, “Desain Optimal Kontroler Pid Motor Dc Menggunakan Cuckoo Search Algorithm,” in *Sentia*, 2015, pp. 121–126.
- [27] N. Rahayu, I. Irianto, and E. Prasetyono, “Desain dan Implementasi Bidirectional DC-DC Converter Untuk Penerangan Darurat,” *J. Ecotipe (Electronic, Control. Telecommun. Information, Power Eng.)*, vol. 7, no. 2,

- pp. 108–116, 2020, doi: 10.33019/jurnalecotipe.v7i2.1883.
- [28] A. Akila, E. Akila, S. Akila, K. Anu, and J. Elzalet, “Charging Station for E-Vehicle using Solar with IOT,” *2019 5th Int. Conf. Adv. Comput. Commun. Syst. ICACCS 2019*, pp. 785–791, 2019, doi: 10.1109/ICACCS.2019.8728391.
- [29] D. Suhardi, “Prototipe Controller Lampu Penerangan LED (Light Emitting Diode) Independent Bertenaga Surya,” *J. GAMMA*, vol. 10, no. September, pp. 116–122, 2014.
- [30] F. Supegina and D. Sukindar, “Perancangan Robot Pencapit Untuk Penyotir Barang Berdasarkan Warna Led Rgb Dengan Display Lcd Berbasis Arduino Uno,” *J. Teknol. Elektro*, vol. 5, no. 1, pp. 9–17, 2014, doi: 10.22441/jte.v5i1.758.
- [31] G. Hergika, Siswanto, and S. S, “Perancangan Internet of Things (Iot) Sebagai Kontrol Infrastruktur Dan Peralatan Toll Pada Pt. Astra Infratoll Road,” *PROSISKO J. Pengemb. Ris. dan Obs. Sist. Komput.*, vol. 8, no. 2, pp. 86–98, 2021, doi: 10.30656/prosisko.v8i2.3862.
- [32] Fahrullah, “Implementasi Pengujian Black Box Pada Sistem Informasi Monitoring Akademik Dengan Pendekatan Teknik Equivalence Partitions,” *J. Teknosains Kodepena*, vol. 1, no. 2, pp. 94–100, 2021, [Online]. Available: <https://jtk.kodepena.org/index.php/jtk/article/view/25>
- [33] Z. Fauziah, H. Latifah, X. Omar, A. Khoirunisa, and S. Millah, “Application of Blockchain Technology in Smart Contracts: A Systematic Literature Review,” *Aptisi Trans. Technopreneursh.*, vol. 2, no. 2, pp. 160–166, 2020, doi: 10.34306/att.v2i2.97.