

DAFTAR PUSTAKA

- [1] Badan Riset dan Inovasi Nasional, “Forum Kerja Sama Indonesia-Korea Dukung Transisi Energi Berkelanjutan,” <https://www.brin.go.id/press-release/110552/forum-kerja-sama-indonesia-korea-dukung-transisi-energi-berkelanjutan>.
- [2] S. A. Sadyrbayev, A. B. Bekbayev, S. Orynbayev, and Z. Z. Kaliyev, “Design and research of dual-axis solar tracking system in condition of town Almaty,” Middle East J Sci Res, vol. 17, no. 12, pp. 1747–1751, 2013, doi: 10.5829/idosi.mejsr.2013.17.12.12363.
- [3] J. Ya’u Muhammad, M. Tajudeen Jimoh, I. Baba Kyari, M. Abdullahi Gele, and I. Musa, “A Review on Solar Tracking System: A Technique of Solar Power Output Enhancement,” Engineering Science, vol. 4, no. 1, p. 1, 2019, doi: 10.11648/j.es.20190401.11.
- [4] K. Patel, S. Borole, K. Ramaneti, A. Hejib, and R. Raja Singh, “Design and implementation of Sun Tracking Solar Panel and Smart Wiping Mechanism using Tinkercad,” in IOP Conference Series: Materials Science and Engineering, IOP Publishing Ltd, Aug. 2020. doi: 10.1088/1757-899X/906/1/012030.
- [5] B. Sujatha, J. S. Kalyani, and K. Priyanka, “International Journal on Recent and Innovation Trends in Computing and Communication Optimization and Performance Evaluation of Single Axis Arduino Solar Tracker,” 20AD, [Online]. Available: <http://www.ijritcc.org>
- [6] M. R. Haider, A. Shufian, M. N. Alam, M. I. Hossain, R. Islam, and M. A. Azim, “Design and Implementation of Three-Axis Solar Tracking System with High Efficiency,” in 2021 International Conference on Information and Communication Technology for Sustainable Development, ICICT4SD 2021 - Proceedings, Institute of Electrical and Electronics Engineers Inc., Feb. 2021, pp. 1–5. doi: 10.1109/ICICT4SD50815.2021.9396779.
- [7] Humas EBTKE, “Indonesia Kaya Energi Surya, Pemanfaatan Listrik Tenaga Surya oleh Masyarakat Tidak Boleh Ditunda,” <https://ebtke.esdm.go.id/post/2021/09/02/2952/indonesia.kaya.energi.surya.pemanfaatan.listrik.tenaga.surya.oleh.masyarakat.tidak.boleh.ditunda>.

- [8] United Nations Environment Programme, “GOAL 7: Affordable and clean energy,” <https://www.unep.org/explore-topics/sustainable-development-goals/why-do-sustainable-development-goals-matter/goal-7>.
- [9] “Utilization of Solar Power Plant in Indonesia: A Review Hardianto,” 2019, doi: 10.5281/zenodo.3634186.
- [10] M. Gopal, T. Chandra Prakash, N. Venkata Ramakrishna, and B. P. Yadav, “IoT Based Solar Power Monitoring System,” in IOP Conference Series: Materials Science and Engineering, IOP Publishing Ltd, Dec. 2020. doi: 10.1088/1757-899X/981/3/032037.
- [11] ECOFLOW, “ECOFLOW SOLAR TRACKER.” Accessed: Nov. 19, 2023. [Online]. Available: <https://www.ecoflow.com/uk/solar-tracker>
- [12] ECO-WORTHY, “Dual Axis Solar Tracking System with Solar Tracker.” Accessed: Nov. 12, 2023. [Online]. Available: www.eco-worthy.com
- [13] SCAD Institute of Technology and Institute of Electrical and Electronics Engineers, Proceedings of the International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018) : 30-31, August 2018.
- [14] Sukkur IBA University and Institute of Electrical and Electronics Engineers, 2019 2nd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET) : January 30-31, 2019.
- [15] A. A. Laghari, K. Wu, R. A. Laghari, M. Ali, and A. A. Khan, “A Review and State of Art of Internet of Things (IoT),” May 01, 2022, Springer Science and Business Media B.V. doi: 10.1007/s11831-021-09622-6.
- [16] H. Gore et al., “Django: Web Development Simple & Fast,” 2021. [Online]. Available: <http://annalsofrscb.ro>
- [17] Z. Subecz, “Web-development with Laravel framework,” Gradus, vol. 8, no. 1, pp. 211–218, 2021, doi: 10.47833/2021.1.csc.006.
- [18] L. Ardito, R. Coppola, G. Malnati, and M. Torchiano, “Effectiveness of Kotlin vs. Java in android app development tasks,” Inf Softw Technol, vol. 127, Nov. 2020, doi: 10.1016/j.infsof.2020.106374.

- [19] A. Kholmatov, “WIDELY USED LIBRARIES IN THE JAVASCRIPT PROGRAMMING LANGUAGE AND THEIR CAPABILITIES,” Intent Research Scientific Journal-(IRSJ), vol. 2, no. 10, 2023.
- [20] M. I. Hafidhin, A. Saputra, Y. Ramanto, S. Samsugi,) Program, and S. T. Komputer, “ALAT PENJEMURAN IKAN ASIN BERBASIS MIKROKONTROLER ARDUINO UNO,” 2020.
- [21] A. P. Zanofa, R. Arrahman, M. Bakri, and A. Budiman, “PINTU GERBANG OTOMATIS BERBASIS MIKROKONTROLER ARDUINO UNO R3,” 2020.
- [22] “Arduino® UNO R3.”
- [23] P. By ALLDATASHEETCOM, “ESP8266 ESPRESSIF | Alldatasheet,” 2017.
- [24] “ESP32-S2 Datasheet,” 2019. [Online]. Available: www.espressif.com/en/subscribe.
- [25] D. Aribowo, G. Priyogi, and S. Islam, “APLIKASI SENSOR LDR (LIGHT DEPENDENT RESISTOR) UNTUK EFISIENSI ENERGI PADA LAMPU PENERANGAN JALAN UMUM”.
- [26] “Light dependent resistors,” 1997.
- [27] “High Speed Silicon PIN Photodiode.” [Online]. Available: www.vishay.com
- [28] “PERANCANGAN DAN ANALISIS SISTEM ALAT UKUR ARUS LISTRIK ”.
- [29] D. Fernando, “MSI Transaction on Education Monitoring Penggunaan Daya Listrik Satu Fasa.”
- [30] P. Bosowa, U. Muhammad, J. Kapasa Raya No, and K. Makassar, “Desain Sistem Akuisisi Data Sensor Tegangan Berbasis Internet of Things (IoT),” Journal Of Electrical Engineering (Joule), vol. 2, no. 1, 2021.
- [31] P. By ALLDATASHEETCOM, “INA219 TI | Alldatasheet,” 2008. [Online]. Available: www.ti.com.
- [32] “Fully Integrated, Hall Effect-Based Linear Current Sensor with 2.1 kVRMS Voltage Isolation and a Low-Resistance Current Conductor ACS712.” [Online]. Available: www.allegromicro.com
- [33] R. A. Pratama and I. Permana, “Simulasi Permodelan Menggunakan Sensor Suhu Berbasis Arduino.” [Online]. Available: <https://www.firgelliauto.com/>

- [34] P. By ALLDATASHEETCOM, “DS18B20 DALLAS | Alldatasheet.” [Online]. Available: www.dalsemi.com
- [35] T. Liu, “Digital-output relative humidity & temperature sensor/module DHT22 (DHT22 also named as AM2302) Capacitive-type humidity and temperature module/sensor.”
- [36] A. A. Laghari, K. Wu, R. A. Laghari, M. Ali, and A. A. Khan, “A Review and State of Art of Internet of Things (IoT),” May 01, 2022, Springer Science and Business Media B.V. doi: 10.1007/s11831-021-09622-6.
- [37] “SG90 9 g Micro Servo.”
- [38] P. By ALLDATASHEETCOM, “MG996R High Torque Metal Gear Dual Ball Bearing Servo.”
- [39] “TD-8120MG Digital Servo.”
- [40] A. Guru SMK Negeri, “PENINGKATAN KEMAMPUAN MENGGUNAKAN ALAT UKUR MULTIMETER DENGAN METODE TUTOR SEBAYA PADA SISWA”.
- [41] H. Fadilah, “Penaksiran Suhu Ruangan Pada Termometer dengan Menggunakan Inverse Regression,” 2020.
- [42] M. A. A. Faizi, S. Nisworo, and D. Pravitasari, “Evaluasi Penerangan Tempat Parkir Terbuka (Outdoor) pada Wisata Candi,” AVITEC, vol. 5, no. 1, p. 31, Feb. 2023, doi: 10.28989/avitec.v5i1.1479.
- [43] Django Software Foundation, “Django makes it easier to build better web apps more quickly and with less code,” <https://www.djangoproject.com/>.
- [44] L. Ardito, R. Coppola, G. Malnati, and M. Torchiano, “Effectiveness of Kotlin vs. Java in android app development tasks,” Inf Softw Technol, vol. 127, Nov. 2020, doi: 10.1016/j.infsof.2020.106374.
- [45] A. Kholmatov, “WIDELY USED LIBRARIES IN THE JAVASCRIPT PROGRAMMING LANGUAGE AND THEIR CAPABILITIES,” Intent Research Scientific Journal-(IRSJ), vol. 2, no. 10, 2023.
- [46] Firebase, “Firebase Realtime Database,” <https://firebase.google.com/docs/database?hl=id>.
- [47] “What is PostgreSQL?,” <https://aws.amazon.com/rds/postgresql/what-is-postgresql/>.

- [48] BRAC University, IEEE Power & Energy Society, and Institute of Electrical and Electronics Engineers, International Conference on Energy and Power Engineering : 2019 ICEPE : Theme: Power for Progress : 14-16 March, 2019, BCOM, Savar, Dhaka, Bangladesh, Department of Electrical & Electronic Engineering, Brac University.
- [49] Institute of Electrical and Electronics Engineers, The Ninth International Renewable Energy Congress : 2018 9th International Renewable Energy Congress (IREC) : March 20-22, 2018, Hammamet - Tunisia.
- [50] K. Patel, S. Borole, K. Ramaneti, A. Hejib, and R. Raja Singh, “Design and implementation of Sun Tracking Solar Panel and Smart Wiping Mechanism using Tinkercad,” in IOP Conference Series: Materials Science and Engineering, IOP Publishing Ltd, Aug. 2020. doi: 10.1088/1757-899X/906/1/012030.
- [51] A. A. Laghari, K. Wu, R. A. Laghari, M. Ali, and A. A. Khan, “A Review and State of Art of Internet of Things (IoT),” May 01, 2022, Springer Science and Business Media B.V. doi: 10.1007/s11831-021-09622-6.
- [52] M. S. Mozumder, A. H. I. Mourad, H. Pervez, and R. Surkatti, “Recent developments in multifunctional coatings for solar panel applications: A review,” Solar Energy Materials and Solar Cells, vol. 189, pp. 75–102, Jan. 2019, doi: 10.1016/j.solmat.2018.09.015.
- [53] A. Awasthi et al., “Review on sun tracking technology in solar PV system,” Nov. 01, 2020, Elsevier Ltd. doi: 10.1016/j.egyr.2020.02.004.
- [54] P. By ALLDATASHEETCOM, “Digital 16bit Serial Output Type Ambient Light Sensor IC BH1750FVI,” 2010. [Online]. Available: www.rohm.com