

Daftar Pustaka

- [1] M. Achparaki *et al.*, “We are IntechOpen , the world ’ s leading publisher of Open Access books Built by scientists , for scientists TOP 1 %,” *Intech*, p. 13, 2012.
- [2] and B. W. Sanjaya. Marindani, Elang Derdian, “Rancang Bangun Sistem Peringatan Dini Dan Pelacakan Pada Kendaraan Sepeda Motor Dengan Menggunakan Mikrokontroler Arduino Nano,” *Jurnal Elektro 2.1*, pp. 1–11, 2016.
- [3] H. Bayu and J. Windarta, “Tinjauan Kebijakan dan Regulasi Pengembangan PLTS di Indonesia,” *Jurnal Energi Baru dan Terbarukan*, vol. 2, no. 3, pp. 123–132, 2021, doi: 10.14710/jebt.2021.10043.
- [4] USAID, “Pembiayaan Pembangkit Listrik Tenaga Surya,” in *Usaid*, 2016, p. 58.
- [5] Y. Siregar, Y. Hutahuruk, and Suherman, “Optimization design and simulating solar PV system using PVSyst software,” *2020 4th International Conference on Electrical, Telecommunication and Computer Engineering, ELTICOM 2020 - Proceedings*, no. September 2020, pp. 219–223, 2020, doi: 10.1109/ELTICOM50775.2020.9230474.
- [6] K. Mertens, *Feldstudie zur tatsächlichen Leistung von Photovoltaikanlagen mittels Peakleistungsmessgerät*. Staffelstein: Symposium Photovoltaische Solarenergie, 2008.
- [7] A. A.-B. HISHAM M. SOLIMANI, A. E. HASSAN YOUSEF1, S. A.-R. MASOUD AL-REYAMI2, M. AL-HOSNI2, and A. A. AL-HARTHY2, “IMPACT OF THE INTEGRATION OF LARGESCALE PV POWER PLANTS ON THE GRID STABILITY AND OPERATION,” *Sultan Qaboos University, Dept. of Electrical and Computer Engineering, Muscat, Oman*, 2020.
- [8] R. Alfita, K. Joni, and F. D. Darmawan, “Design of Monitoring Battery Solar Power Plant and Load Control System based Internet of Things,” *TEKNIK*, vol. 42, no. 1, pp. 35–44, May 2021, doi: 10.14710/teknik.v42i1.29687.

- [9] R. Ahshan and A. H. Al-Badi, "CHAPTER TWO TEMPERATURE EFFECT ON PV OUTPUT POWER VARIABILITY."
- [10] H. M. Soliman *et al.*, "CHAPTER FIVE IMPACT OF THE INTEGRATION OF LARGE-SCALE PV POWER PLANTS ON THE GRID STABILITY AND OPERATION." [Online]. Available: <https://www.un.org/Depts/Cartographic/map/profile/oman.pdf>
- [11] P. P. T. D. Priatam, "Analisa Radiasi Sinar Matahari Terhadap Panel Surya 50 WP," *RELE: Jurnal Teknik Elektro*, vol. 4, no. 1, pp. 48–54, 2021.
- [12] P. Harahap, "Pengaruh Temperatur Permukaan Panel Surya Terhadap Daya Yang Dihasilkan Dari Berbagai Jenis Sel Surya," *RELE (Rekayasa Elektrikal dan Energi) : Jurnal Teknik Elektro*, vol. 2, no. 2, pp. 73–80, 2020, doi: 10.30596/rele.v2i2.4420.
- [13] H. Ha'berlin, *PHOTOVOLTAICS SYSTEM DESIGN AND PRACTICE*. West Sussex: John Wiley & Sons, Ltd, 2012.
- [14] S. Eka, P. Pagan, I. D. Sara, and H. Hasan, "Komparasi Kinerja Panel Surya Jenis Monokristal Dan Polykristal Studi Kasus Cuaca Banda Aceh," *Jurnal Karya Ilmiah Teknik Elektro*, vol. 3, no. 4, pp. 19–23, 2018.
- [15] R. Putri, S. Meliala, and Z. Zuraida, "Penerapan Instalasi Panel Surya Off Grid Menuju Energi Mandiri Di Yayasan Pendidikan Islam Dayah Miftahul Jannah," *JET (Journal of Electrical ...)*, vol. 5, no. 3, pp. 117–120, 2020.
- [16] U. Mataram, N. Atsauri, A. B. Muldjono, A. Natsir, U. Mataram, and U. Mataram, "Desain Kapasitas Pembangkit Listrik Tenaga Surya Rooftop Di," 2018.
- [17] Muhammad Hanif, "Studying Power Output of PV Solar Panels at Different Temperatures and Tilt Angel," Peshawar, Pakistan: Khyber Pakhtunkhwa Agricultural University, 2012.
- [18] B. S. Aprillia, M. Rafiqy, and A. Rizal, "Investigasi Efek Partial Shading Terhadap Daya Keluaran Sel Surya," *Politeknik Caltex Riau*, vol. 5, no. 2, pp. 9–17, 2019.
- [19] H. Suyono, R. N. Hasanah, T. Utomo, and M. D. Letik, "Analisis Stabilitas Sistem Daya pada Interkoneksi PLTMH Ampelgading di Gardu Induk Turen," *Jurnal EECCIS*, vol. 6, no. 2, pp. 194–200, 2012.

- [20] PLN University, *Materi Diklat : Stabilitas Frekuensi*. Jakarta, 2012.
- [21] D. Zografos and M. Ghandhari, *Power System Inertia Estimation and Frequency Response Assessment*. 2019.
- [22] B. H. Purwoto, “Efisiensi Penggunaan Panel Surya Sebagai Sumber Energi Alternatif,” *Emitor: Jurnal Teknik Elektro*, vol. 18, no. 01, pp. 10–14, 2018, doi: 10.23917/emitor.v18i01.6251.
- [23] E. Roza and M. Mujirudin, “Perancangan Pembangkit Tenaga Surya Fakultas Teknik UHAMKA,” *Ejournal Kajian Teknik Elektro*, vol. 4, no. 1, pp. 16–30, 2019.
- [24] M. Idris, “Rancang Panel Surya Untuk Instalasi Penerangan Rumah Sederhana Daya 900 Watt,” *Jurnal Elektronika Listrik dan Teknologi Informasi Terapan*, vol. 1, no. 1, pp. 17–22, 2019.
- [25] B. M. T. Ho, H. S. H. Chung, and S. Y. R. Hui, “An integrated inverter with maximum power tracking for grid-connected PV systems,” *Conference Proceedings - IEEE Applied Power Electronics Conference and Exposition - APEC*, vol. 3, no. 4, pp. 1559–1565, 2004, doi: 10.1109/apec.2004.1296072.
- [26] V. Pravalika and C. Rajendra Prasad, “Internet of things based home monitoring and device control using Esp32,” *International Journal of Recent Technology and Engineering*, vol. 8, no. 1 Special Issue 4, pp. 58–62, 2019.
- [27] M. Babiuch, P. Folynek, and P. Smutny, “Using the ESP32 microcontroller for data processing,” *Proceedings of the 2019 20th International Carpathian Control Conference, ICC 2019*, pp. 1–6, 2019, doi: 10.1109/CarpathianCC.2019.8765944.
- [28] Y. Cheddadi, H. Cheddadi, F. Cheddadi, F. Errahimi, and N. Es-sbai, “Design and implementation of an intelligent low-cost IoT solution for energy monitoring of photovoltaic stations,” *SN Appl Sci*, vol. 2, no. 7, pp. 1–11, 2020, doi: 10.1007/s42452-020-2997-4.
- [29] Y. Cheddadi, H. Cheddadi, F. Cheddadi, F. Errahimi, and N. Es-sbai, “Design and implementation of an intelligent low-cost IoT solution for energy monitoring of photovoltaic stations,” *SN Appl Sci*, vol. 2, no. 7, pp. 1–11, 2020, doi: 10.1007/s42452-020-2997-4.

- [30] R. Y. Endra, A. Cucus, F. N. Afandi, and M. B. Syahputra, "Model Smart Room Dengan Menggunakan Mikrokontroler Arduino Untuk Efisiensi Sumber Daya," *Explore: Jurnal Sistem informasi dan telematika*, vol. 10, no. 1, 2019, doi: 10.36448/jsit.v10i1.1212.
- [31] L. N. Zulita, "152072-ID-none," vol. 12, no. 1, pp. 89–98, 2016.
- [32] A. Abdullah, C. Cholish, and Moh. Zainul haq, "Pemanfaatan IoT (Internet of Things) Dalam Monitoring Kadar Kepekatan Asap dan Kendali Pergerakan Kamera," *CIRCUIT: Jurnal Ilmiah Pendidikan Teknik Elektro*, vol. 5, no. 1, p. 86, 2021, doi: 10.22373/crc.v5i1.8497.
- [33] A. Abdullah and R. Kaban, "Automation System and Monitoring in the Hydroponic Cultivation Process Integrated with Internet Network," *Sinkron*, vol. 4, no. 1, p. 158, 2019, doi: 10.33395/sinkron.v4i1.10193.
- [34] M. N. Al-Azam, D. Rizaludin, Y. S. Raharjo, and A. Nugroho, "Message Queuing Telemetry Transport dalam Internet of Things menggunakan ESP-32," *Jurnal Media Informatika Budidarma*, vol. 3, no. 3, p. 159, 2019, doi: 10.30865/mib.v3i3.1160.
- [35] Dewi Laksmiati, "MONITORING CUACA PADA ANDROID MENGGUNAKAN NODE-RED, OPENWEATHER DAN SIGNAL4," *Jurnal AKRAB JUARA*, vol. 6, no. 5, pp. 142–151, 2021.
- [36] A. Saputra, "Manajemen Basis Data Mysql," *Jurnal Berita Dirgantara*, vol. 13, no. 4, pp. 155–162, 2012.
- [37] H. Maulana, "Analisis Dan Perancangan Sistem Replikasi Database Mysql Dengan Menggunakan Vmware Pada Sistem Operasi Open Source," *InfoTekJar (Jurnal Nasional Informatika dan Teknologi Jaringan)*, vol. 1, no. 1, pp. 32–37, 2016, doi: 10.30743/infotekjar.v1i1.37.
- [38] M. Ohyver, J. V. Moniaga, I. Sungkawa, B. E. Subagyo, and I. A. Chandra, "The comparison firebase realtime database and MySQL database performance using wilcoxon signed-rank test," *Procedia Comput Sci*, vol. 157, pp. 396–405, 2019, doi: 10.1016/j.procs.2019.08.231.
- [39] M. Romzi and B. Kurniawan, "Pembelajaran Pemograman Python dengan Pendekatan Logika Algoritma," 2020.

- [40] C. H. Rianto, “PERANCANGAN DATA WAREHOUSE PADA RUMAH SAKIT (STUDI KASUS : BLUD RSUD KOTA BANJAR) Kata Kunci : Data Warehouse , Nine Step Methodology , Skema , Rumah Sakit,” *Jurnal Siliwangi Seri Sains Dan Teknologi*, vol. 3, no. 2, 2017.
- [41] Indrajani, *Pengantar dan Sistem Basis Data*. Jakarta: PT Grammedia, 2011.
- [42] Y. N. Syamsul Bakhri, “Rancangan Data Warehouse Untuk Penunjang Sistem Informasi Eksekutif Pada Yayasan,” *Jurnal Teknik Komputer*, vol. 4, no. 1, pp. 1–7, 2018.
- [43] Sutiyono and D. Rosiyadi, “ANALISIS DAN PERANCANGAN DATA WAREHOUSE SEBAGAI ALAT UNTUK MONITORING JALANNYA PROSES BISNIS (Studi Kasus : Rumah Sakit Umum Daerah Al-Ihsan Jawa Barat),” pp. 71–79, 2017.
- [44] R. Dharayani, K. A. Laksitowening, and A. P. Yanuarfiani, “Implementasi ETL (Extract , Transform , Load) Pangkalan Data Perguruan Tinggi dengan Menggunakan State-Space Problem,” *e-Proceeding of Engineering*, vol. Vol.2, No., no. 2355–9365, pp. 1159–1165, 2015.
- [45] H. Maruta, “Laba, Perencanaan Manajemen, Bagi,” *Jurnal Akuntansi Syariah*, vol. 2, no. 1, pp. 9–28, 2018.
- [46] M. Fakhrial, “KAJIAN TEKNIS DAN EKONOMIS PLTS ATAP PENEMPATAN DI GEDUNG MPP KOTA PROBOLINGGO,” pp. 1–23, 2022.
- [47] M. Rosidi, “Metode Numerik Menggunakan R Untuk Teknik Lingkungan,” p. 300, 2019, [Online]. Available: https://bookdown.org/moh_rosidi2610/Metode_Numerik/
- [48] PLN, “Tarif Adjustment,” <https://web.pln.co.id/>, 2022.
- [49] Eqqi Syahputra, “Semarak, Mitsubishi Ikut Bangun PLTS Atap 10,6 MW di RI,” *CNBC Indonesia*, Feb. 15, 2022.