

DAFTAR PUSTAKA

- [1] L. Garci Reyes, “Analisis kebutuhan listrik dan penambahan pembangkit listrik,” *J. Chem. Inf. Model.*, vol. 53, no. 9, pp. 1689–1699, 2019.
- [2] I. Purwanto, “Solar Cell(Photovoltaic/Pv)Solusi Menuju Pulau Mandiri Listrik,” *J. Penelit. Dan Karya Ilm. Lemb. Penelit. Univ. Trisakti*, vol. 5, no. 2, pp. 117–126, 2020, doi: 10.25105/pdk.v5i2.7410.
- [3] N. Kharisna, S. Widyastuti, D. Priyatno, and N. Kamaliyah, ““ Power Plant Microhydro At Home ’ Solusi Pemenuhan Listrik Daerah Curah Hujan Tinggi,” *J. Creat. Student*, vol. 2, no. 1, pp. 34–41, 2017.
- [4] E. Yuniarti, M. Setiawati, and A. Majid, “Konsleting listrik,” *J. Penelit. dan Pengabd. Masy.*, vol. 6, no. 2, pp. 186–191, 2018.
- [5] R. Kurniawan and M. M. Soge, “Menelaah Kesiapan Pencegahan dan Penanganan Kebakaran di Lapas Kelas IIA Lahat,” *ADI Pengabd. Kpd. Masy.*, vol. 2, no. 1, pp. 43–50, 2021, doi: 10.34306/adimas.v2i1.524.
- [6] desy sutingkir, “Sosialisasi Cara Aman Penggunaan Peralatan Listrik dan Bahaya Listrik Bagi Siswa Madrasah Ibtidaiyah Muhammadiyah I Pekanbaru,” *FLEKSIBEL J. Pengabd. Masy.*, vol. 1, no. 1, pp. 1–6, 2020, [Online].
Available: <http://journal.unilak.ac.id/index.php/Fleksibel/article/view/6046>.
- [7] ANGGI SUMARNA, “Analisis Kelayakan Instalasi Listrik Rumah Tangga,” *Pros. Semin. Nas. Penelit. Pengabd. Pada Masy.*, vol. 7, p. 6, 2021.
- [8] M. Jumnahdi and I. Dinata, “Evaluasi Kelayakan Instalasi Listrik Rumah Tinggal Di Atas Umur 15 Tahun Di Kecamatan Muntok Kabupaten Bangka Barat,” 2017.
- [9] L. T. Eddy, “Pemeriksaan Periodik Pada Rangkaian Instalasi Listrik Bangunan Untuk Mencegah Bencana Kebakaran Melalui Penambahan Prosedur Pada SOP Penerbitan SLO Dari PLN,” (*Jurnal Apl. Tek. dan Pengabd. Masy.*, vol. 5, no. 1, pp. 35–40, 2021.
- [10] A. Rahmat and E. Prianto, “Studi Evaluasi Model Bentuk Atap Dan Fenomena Kebakaran penyebab listrik,” *J. Arsit. Zo.*, vol. 1, no. 2, pp. 112–122, 2018.
- [11] B. Fatkhurrozi, I. Nawawi, and A. Trihasto, “Penyuluhan dan Pelatihan Instalasi Listrik Rumah Tangga Bagi Masyarakat Desa Madusari Kec. Secang Kab. Magelang,” *J. Pengabd. Masy.*, vol. 1, no. 1, pp. 13–20, 2017.
- [12] J. Lianda and D. Handarly, “Sistem Monitoring Konsumsi Daya Listrik Jarak Jauh Berbasis Internet of Things,” vol. 4, no. 1, pp. 79–84, 2019, doi: 10.31544/jtera.v4.i1.2019.79-84.
- [13] T. D. Hendrawati, Y. D. Wicaksono, and E. Andika, “Internet of Things : Sistem Kontrol-Monitoring Daya Perangkat Elektronika,” vol. 3, no. 2, pp. 177–184, 2018, doi: 10.31544/jtera.v3.i2.2018.177-184.
- [14] W. Widodo, M. Ruswiensari, and A. Qomar, “Monitoring Pemakaian Daya Listrik Secara Realtime Berbasis Internet Of Things,” pp. 581–586, 2019.
- [15] F. Rio, “SISTEM KENDALI DAN MONITOR PENGGUNAAN DAYA LISTRIK PADA PERANGKAT LISTRIK RUMAH BERBASIS IOT,” vol. 5, no. 3, pp. 4235–4242, 2018.
- [16] D. Fernando, “Monitoring Penggunaan Daya Listrik Satu Fasa,” vol. 01, no. 04, 2020.
- [17] D. Despa, M. A. Muhammad, A. Suriananto, A. Hamni, G. F. Nama, and Y.

- Martini, "Monitoring dan Manajemen Energi Listrik Gedung Laboratorium Berbasis Internet of Things (IoT)," *Semin. Nas. Tek. Elektro 2018*, pp. 2–6, 2018.
- [18] A. Marlinda Yuspita Ningsih, "Rancang Bangun Sistem Proteksi Beban Lebih pada Perangkat Elektronik Berbasis Arduino," pp. 270–276, 2016.
- [19] E. M. Leny, "Sistem Current Limiter Dan Monitoring Arus Serta Tegangan Menggunakan Sms Untuk Proteksi Pada Penggunaan Beban Rumah Tangga," *J. Tek. Elektro*, vol. 08, no. 1, pp. 39–46, 2019.
- [20] A. Tanjung, D. Setiawan, and Hamzah, "Penerapan Persyaratan Umum Instalasi Listrik dan standarisasi kelistrikan di kelurahan maharani kecamatan rumbai," *J. Pengabd. Kpd. Masy.*, vol. 2, no. 1, pp. 32–38, 2021, [Online]. Available: <http://journal.unilak.ac.id/index.php/Fleksibel/article/view/6651/2980>.
- [21] Standar Nasional Indonesia, "Persyaratan Umum Instalasi Listrik 2011 (PUIL 2011)," *DirJen Ketenaga List.*, vol. 2011, no. PUIL, pp. 1–133, 2011.
- [22] B. Olanda and D. Susilo, "Desain dan Rancang Instalasi Listrik Sederhana Skala Rumah Tangga," *ELECTRA Electr. Eng. Artic.*, vol. 1, no. 2, p. 7, 2021, doi: 10.25273/electra.v1i2.8959.
- [23] M. A. H. Saifuddin, I. A. Djufri, M. N. Rahman, and A. S. D. Listrik, "Analisa Kebutuhan Daya Listrik Terpasang Pada Gedung Kantor Bupati Kabupaten Halmahera Barat," *J. PROtek*, vol. 05, no. 1, pp. 49–57, 2018.
- [24] F. A. Noor, H. Ananta, and S. Sunardiyo, "Pengaruh Penambahan Kapasitor Terhadap Tegangan, Arus, Faktor Daya, dan Daya Aktif pada Beban Listrik di Minimarket," *J. Tek. Elektro*, vol. 9, no. 2, pp. 66–73, 2017.
- [25] T. AP, "Sejarah Dan Pemanfaatan Iot Di Era Industri 4.0," *Portaldata.org*, vol. 2, no. 4, pp. 1–8, 2022.
- [26] F. Nahdi and H. Dhika, "Analisis Dampak Internet of Things (IoT) Pada Perkembangan Teknologi di Masa Yang Akan Datang," *INTEGGER J. Inf. Technol.*, vol. 6, no. 1, pp. 33–40, 2021, doi: 10.31284/j.integer.2021.v6i1.1423.
- [27] Wilianto and A. Kurniawan, "Sejarah , Cara Kerja Dan Manfaat Internet of Things," *Matrix*, vol. 8, no. 2, pp. 36–41, 2018.
- [28] S. Siswanto, T. Nurhadiyan, and M. Junaedi, "Prototype Smart Home Dengan Konsep Iot (Internet of Thing) Berbasis Nodemcu Dan Telegram," *J. Sist. Inf. dan Inform.*, vol. 3, no. 1, pp. 85–93, 2020, doi: 10.47080/simika.v3i1.850.
- [29] M. I. Kurniawan, U. Sunarya, and R. Tulloh, "Internet of Things : Sistem Keamanan Rumah berbasis Raspberry Pi dan Telegram Messenger," vol. 6, no. 1, pp. 1–15, 2018.
- [30] R. Berlianti and F. Fibriyanti, "Perancangan Alat Pengontrolan Beban Listrik Satu Fasa Jarak Jauh Menggunakan Aplikasi Blynk Berbasis Arduino Mega," *SainETIn*, vol. 5, no. 1, pp. 17–26, 2020, [Online]. Available: <http://journal.unilak.ac.id/index.php/SainETIn/article/view/6398>.
- [31] Y. Güven, E. Coşgun, S. Kocaoğlu, H. G. Ezİcİ, and E. Yilmazlar, "Understanding the Concept of Microcontroller Based Systems To Choose The Best Hardware For Applications," vol. 6, no. 9, pp. 38–44, 2017.
- [32] V. Pravalika and C. Rajendra Prasad, "Internet of things based home monitoring and device control using Esp32," *Int. J. Recent Technol. Eng.*,

- vol. 8, no. 1 Special Issue 4, pp. 58–62, 2019.
- [33] M. Babiuch, P. Folynek, and P. Smutny, “Using the ESP32 microcontroller for data processing,” *Proc. 2019 20th Int. Carpathian Control Conf. ICC 2019*, pp. 1–6, 2019, doi: 10.1109/CarpathianCC.2019.8765944.
- [34] S. M. Irsyad, A. Basuki, and B. S. B. Dewantara, “Rancang Bangun AirMouse Menggunakan Sarung Tangan Bersensor Berbasis ESP32,” *J. Rekayasa Elektr.*, vol. 18, no. 3, pp. 135–143, 2022, doi: 10.17529/jre.v18i3.25816.
- [35] H. Kusumah and R. A. Pradana, “Penerapan Trainer Interfacing Mikrokontroler Dan Internet of Things Berbasis Esp32 Pada Mata Kuliah Interfacing,” *J. CERITA*, vol. 5, no. 2, pp. 120–134, 2019, doi: 10.33050/cerita.v5i2.237.
- [36] S. W. A. Budijanto and K. E. Susilo, *Interfacing ESP32*. 2021.
- [37] T. Agrawal and M. A. Qadeer, “Tracing path with arduino uno using GPS and GPRS/GSM,” *2018 Int. Conf. Comput. Power Commun. Technol. GUCON 2018*, pp. 1203–1208, 2019, doi: 10.1109/GUCON.2018.8674953.
- [38] K. Sheau Tong, M. N. Norizan, and I. S. Mohamad, “Smart Rash Driver System via Internet of Things (IoT),” *MATEC Web Conf.*, vol. 140, pp. 1–5, 2017, doi: 10.1051/mateconf/201714001026.
- [39] W. H. Siow and S. A. Anas, “Connected Bricks : Designing 3D-Printed Environmental Weather Monitoring System for Agriculture,” pp. 153–154, 2021, doi: 10.1007/s11027-011-9319-5.Figure.
- [40] Y. Ye, C. Zhang, C. He, X. Wang, J. Huang, and J. Deng, “A Review on Applications of Capacitive Displacement Sensing for Capacitive Proximity Sensor,” *IEEE Access*, vol. 8, pp. 45325–45342, 2020, doi: 10.1109/ACCESS.2020.2977716.
- [41] R. D. Alfian, S. I. Haryudo, U. T. Kartini, and N. Kholis, “Rancang Bangun Alat Monitoring Pemakaian Tarif Listrik Dan Kontrol Daya Listrik Pada Rumah Kos Berbasis Internet Of Things,” *J. Tek. Elektro*, vol. 10, no. 3, pp. 661–670, 2021.
- [42] made adi surya antara and W. A. Suteja, “Analisis Arus, Tegangan, Daya, Energi, Dan Biaya Pada Sensor Pzem-004T Berbasis Nodemcu Esp8266,” *Patria Artha Technol. J.*, vol. 5, no. 1, pp. 76–84, 2021, doi: 10.33857/patj.v5i1.405.
- [43] S. Anwar, T. Artono, N. Nasrul, D. Dasrul, and A. Fadli, “Pengukuran Energi Listrik Berbasis PZEM-004T,” *Pros. Semin. Nas. Politek. Negeri Lhokseumawe*, vol. 3, no. 1, pp. 272–276, 2019, [Online]. Available: <http://ejurnal.pnl.ac.id/index.php/semnaspnl/article/view/1694>.
- [44] H. Liang, J. You, X. Yong, G. Ma, and G. Zhai, “Structure classification of electromagnetic relays and comparison of typical magnetic system containing permanent magnet,” *Electr. Contacts, Proc. Annu. Holm Conf. Electr. Contacts*, vol. 2015-Febru, no. February, 2015, doi: 10.1109/HOLM.2014.7031067.
- [45] B. Basri, Akhmad Qashlim, and Suryadi, “Relay Kontrol Menggunakan Google Firebase dan Node MCU pada Sistem Smart Home,” *Technomedia J.*, vol. 6, no. 1, pp. 15–29, 2021, doi: 10.33050/tmj.v6i1.1432.
- [46] C. Cholish, R. Rimbawati, and A. A. Hutasuhut, “Analisa Perbandingan Switch Mode Power Supply (SMPS) dan Transformator Linear Pada Audio

- Amplifier,” *CIRCUIT J. Ilm. Pendidik. Tek. Elektro*, vol. 1, no. 2, pp. 90–102, 2017, doi: 10.22373/crc.v1i2.2079.
- [47] D. Ye, X. Wang, D. Liu, Y. Zhao, and S. Shen, “Design of a low-cost and high-performance DC linear power supply using in electronic experiment,” *Proc. 2011 Cross Strait Quad-Regional Radio Sci. Wirel. Technol. Conf. CSQRWC 2011*, vol. 2, pp. 1103–1106, 2011, doi: 10.1109/CSQRWC.2011.6037151.
- [48] H. Al Fani, S. Sumarno, J. Jalaluddin, D. Hartama, and I. Gunawan, “Perancangan Alat Monitoring Pendeteksi Suara di Ruang Bayi RS Vita Insani Berbasis Arduino Menggunakan Buzzer,” *J. Media Inform. Budidarma*, vol. 4, no. 1, p. 144, 2020, doi: 10.30865/mib.v4i1.1750.
- [49] S. Sunar and S. Subagiyo, “Peningkatan Keaktifan dan Keterampilan Membuat PCB Kelas XII TAV SMK Negeri 1 Semarang,” *Edu Elektr. J.*, vol. 9, no. 2, pp. 55–60, 2020, [Online]. Available: <https://journal.unnes.ac.id/sju/index.php/eduel/article/view/37973>.
- [50] S. Nengsih, “Perbandingan Kedalaman Pengikisan Logam Dalam Larutan Feri Klorida,” *CIRCUIT J. Ilm. Pendidik. Tek. Elektro*, vol. 5, no. 1, p. 75, 2021, doi: 10.22373/crc.v5i1.8472.
- [51] D. Maulana, I. G. A. P. Raka Agung, and I. P. Elba Duta Nugraha, “Sistem Monitor Budi Daya Sarang Burung Walet Berbasis Esp32-Cam Dilengkapi Aplikasi Telegram,” *J. SPEKTRUM*, vol. 9, no. 1, p. 143, 2022, doi: 10.24843/spektrum.2022.v09.i01.p17.