



DAFTAR PUSTAKA

- [1] F. Dirayati, R. Sari, and R. Purnomo, "Perancangan dan Implementasi Sistem Smart Agriculture Berbasis Internet of Things untuk Meningkatkan Produktivitas Pertanian," *J. Media Inform. [Jumin]*, vol. 6, no. 2, pp. 863–872, 2025. [1] B. Rachman, R. Suppa, and A. A. Hakam, 'RANCANG BANGUN SMART LAMP MENGGUNAKAN NODEMCU BERBASIS INTERNET OF THINGS (IOT)', vol. 13, no. 1, 2025.
- [2] B. Rachman, R. Suppa, and A. A. H. Dani, "Rancang Bangun Smart Lamp Menggunakan Nodemcu Berbasis Internet of Things (Iot)," *J. Inform. dan Tek. Elektro Terap.*, vol. 13, no. 1, 2025, doi: 10.23960/jitet.v13i1.5591.
- [3] M. D. Agustiningasih, P. C. A. Lestari, R. M. Savitrah, A. Fahmi, and H. -, "Nogo Osing Apps: Aplikasi Smart Farming Buah Naga Berbasis IoT," *J. Teknol. Inf. dan Ilmu Komput.*, vol. 11, no. 1, pp. 145–154, 2024, doi: 10.25126/jtiik.20241117683.
- [4] M. T. Maiza Henanda, H. H. Nuha, and E. Ariyanto, "Utilization of Smart Greenhouse to Increase Chrysanthemum Growth in the Vegetative Phase by Monitoring Using Firebase," *Int. Conf. Electr. Eng. Comput. Sci. Informatics*, vol. 2022-October, no. October, pp. 204–209, 2022, doi: 10.23919/EECSI56542.2022.9946632.
- [5] E. M. Santosa, R. A. N. S. Alif, M. R. A. Putra, M. A. D. Saputra, and R. Susanto, "Sistem Pencahayaan pada Budidaya Buah Naga," *Semin. Nas. Teknol. Inf. dan Bisnis*, pp. 240–243, 2024.
- [6] M. Azhari, T. A. Lubis, and P. Rizki Syafrayani, "IoT-Driven Analysis of Light Intensity, Humidity, and Temperature Regulation for Enhanced Dragon Fruit Cultivation: A Scholarly Inquiry into Siosar-Karo Plantations," *Proc. 7th IC2IE 2024 - 2024 Int. Conf. Comput. Informatics Eng. Gener. AI Democr. Access to Knowl. Ski.*, pp. 1–6, 2024, doi: 10.1109/IC2IE63342.2024.10747974.
- [7] A. Koushal, R. Gupta, F. Jan, K. Kamaldeep, and V. Kumar, "Home Automation System Using ESP32 and Firebase," *PDGC 2022 - 2022 7th Int. Conf. Parallel, Distrib. Grid Comput.*, pp. 228–231, 2022, doi: 10.1109/PDGC56933.2022.10053309.
- [8] Y. Natasya and H. Santoso, "Prototipe Aplikasi Smart Lighting Untuk Mengontrol Lampu Jalan Berbasis Android Menggunakan Esp32," *Sibatik J. | Vol.*, vol. 2, no. 8, pp. 2581–2598, 2023, [Online]. Available: <https://publish.ojs-indonesia.com/index.php/SIBATIK>
- [9] R. Aisuwarya, D. Yolanda, and A. T. Talmera, "An Electricity Usage Monitoring System Using Internet of Things (IoT) for Small Business Stalls," *2023 1st Int. Conf. Adv. Eng. Technol. ICONNIC 2023 - Proceeding*, pp. 287–291, 2023, doi: 10.1109/ICONNIC59854.2023.10467584.
- [10] A. B. A. Aziz, S. A. H. Bin Amirrudin, and L. B. Raya, "Analysis and Monitoring Energy Consumption in Basic Electric Bills," *2023 19th IEEE*



- Int. Colloq. Signal Process. Its Appl. CSPA 2023 - Conf. Proc., no. March, pp. 248–251, 2023, doi: 10.1109/CSPA57446.2023.10087759.
- [11] C. Srun, S. Siren, V. Ny, S. Ive, S. Mao, and S. Phal, “Efficient Energy Usage Monitoring System with ESP32 Technology,” Proc. 2024 7th Int. Conf. Green Technol. Sustain. Dev. GTSD 2024, pp. 56–61, 2024, doi: 10.1109/GTSD62346.2024.10675127.
- [12] V. Savale, A. Chavan, A. Jilla, A. Barde, S. Wagaj, and D. Khatave, “AgriInnoConnect Pro: An IoT-Based Agricultural Automation System with Firebase Integration,” 5th Int. Conf. Electron. Sustain. Commun. Syst. ICESC 2024 - Proc., no. Icesc, pp. 517–525, 2024, doi: 10.1109/ICESC60852.2024.10689883.
- [13] K. Sethunath, J. Bhaskar, and H. C. Vikram, “Phenology of Dragon Fruit Crop Grown in Kerala,” J. Trop. Agric., vol. 61, no. 1, pp. 153–156, 2023.
- [14] Y. E. Lestari, K. Pangestuning, and A. Hadi, “PENGARUH FAKTOR SUHU DAN KELEMBABAN TERHADAP PEMBUNGAAN DAN PEMBUAHAN TANAMAN BUAH NAGA (*Hylocereus polyrhizus*) THE INFLUENCE OF TEMPERATURE AND HUMIDITY ON THE FLOWERING AND FRUITING OF DRAGON FRUIT PLANTS (*Hylocereus polyrhizus*),” J. Agroradix, vol. 8, no. 1, pp. 20–30, 2024.
- [15] C. I. Ferdianti and Sudarti, “Evektifitas Penyinaran Untuk Peningkatan Produksi Buah Naga,” Agrifarm J. Ilmu Pertan., vol. 10, no. 2, pp. 81–85, 2021, doi: 10.24903/ajip.v10i2.1075.
- [16] H. N. Fadila, D. I. Lestari, F. Kusuma, and A. Anggraeni, “18+Almaidah+jhest+124-130,” vol. 7, pp. 124–130, 2024, doi: 10.36339/jhest.v7i1.79.
- [17] M. Wang et al., “Light Supplementation in Pitaya Orchards Induces Pitaya Flowering in Winter by Promoting Phytohormone Biosynthesis,” Int. J. Mol. Sci., vol. 25, no. 9, 2024, doi: 10.3390/ijms25094794.
- [18] M. Lombardi, F. Pascale, and D. Santaniello, “Internet of things: A general overview between architectures, protocols and applications,” Inf., vol. 12, no. 2, pp. 1–21, 2021, doi: 10.3390/info12020087.
- [19] R. T. Trista, “Jurnal Sains dan Teknologi Widyaloka Peran Internet Of Things (IoT) Dalam Industri 4 . 0,” J. Sains dan Teknol. Widyaloka, vol. 1, no. 2, pp. 235–241, 2022.
- [20] M. S. Kumaran, J. Pradeep, R. Hounandan, and B. Prahatheesh, “Smart LPG Cylinder Monitoring and Explosion Management System,” 12th Int. Symp. Adv. Top. Electr. Eng. ATEE 2021, 2021, doi: 10.1109/ATEE52255.2021.9425101.
- [21] M. `Toby S. Pratika, I. N. Piarsa, and A. A. K. A. C. Wiranatha, “Rancang Bangun Wireless Relay dengan Monitoring Daya Listrik Berbasis Internet of Things,” JITTER J. Ilm. Teknol. dan Komput., vol. 2, no. 3, p. 515, 2021, doi: 10.24843/jtrti.2021.v02.i03.p10.
- [22] Y. Yulianto, “Relay Driver Based on Arduino UNO to Bridge the Gap of The Digital Output Voltage of The Node MCU ESP32,” Eng. Math. Comput. Sci. J., vol. 5, no. 3, pp. 129–135, 2023, doi: 10.21512/emacsjournal.v5i3.9697.



- [23] B. R. Rahmadya, “Sistem Monitoring Konsumsi Daya Listrik Dengan Mengimplementasikan Bluetooth Low Energy,” *JITCE (Journal Inf. Technol. Comput. Eng.*, vol. 5, no. 01, pp. 33–40, 2021, doi: 10.25077/jitce.5.01.33-40.2021.
- [24] R. Bhavana and J. N. Hemalatha, “Design and Development of Dual DC motor control module for Remote tilt control of Antenna,” *Proc. IEEE Power India Int. Conf. PIICON*, no. 2024, pp. 1–6, 2024, doi: 10.1109/PIICON63519.2024.10995207.
- [25] M. A. Rezaei et al., “Reliability Calculation Improvement of Electrolytic Capacitor Banks Used in Energy Storage Applications Based on Internal Capacitor Faults and Degradation,” *IEEE Access*, vol. 12, no. November 2023, pp. 13146–13164, 2024, doi: 10.1109/ACCESS.2024.3351604.
- [26] Y. M. Yusup, “Sistem Keamanan Kotak Amal Menggunakan Sensor Ultrasonik Dan Keypad 4X4 Dengan Arduino Uno R3,” *JUTEKIN (Jurnal Tek. Inform.*, vol. 12, no. 1, 2024, doi: 10.51530/jutekin.v12i1.849.
- [27] S. Edriati, L. Husnita, E. Amri, A. A. Samudra, and N. Kamil, “Penggunaan Mit App Inventor untuk Merancang Aplikasi Pembelajaran Berbasis Android,” *E-Dimas J. Pengabd. Kpd. Masy.*, vol. 12, no. 4, pp. 652–657, 2021, doi: 10.26877/e-dimas.v12i4.6648.
- [28] U. A. Madaminov and M. R. Allaberganova, “Firebase Database Usage and Application Technology in Modern Mobile Applications,” *Proc. 2023 IEEE 16th Int. Sci. Tech. Conf. Actual Probl. Electron. Instrum. Eng. APEIE 2023*, pp. 1690–1694, 2023, doi: 10.1109/APEIE59731.2023.10347828.
- [29] N. Akademik et al., “Seminar Nasional Insinyur Profesional (SNIP),” *Download.Garuda.Kemdikbud.Go.Id*, vol. 3, no. 3, pp. 1–6, 2023, [Online]. Available: <http://download.garuda.kemdikbud.go.id/article.php?article=3270655&val=28690&title=Implementasi Sistem Akuntabilitas Kinerja Instansi Pemerintah SAKIP Dinas Pekerjaan Umum dan Penataan Ruang Kabupaten Tulang Bawang>.
- [30] N. Gofar, T. P. Nur, S. D. I. Permatasari, and N. Sriwahyuni, *Teknik Budidaya Microgreens*. 2022.
- [31] J. H. E. M. Arlinta Christy Barus, “Terbit+3.+API+Testing+2021,” *J. Appl. Technol. Informatics*, vol. 1, no. 3, pp. 14–21, 2021.
- [32] D. Delima, S. Sepdian, M. Mazwan, and Y. W. Eye Sapalakkai, “Rancang Bangun Sistem Kelistrikan Mobil Listrik Politeknik Jambi,” *J. Elektron. List. dan Teknol. Inf. Terap.*, vol. 6, no. 1, pp. 15–19, 2024, doi: 10.37338/elti.v6i1.309.
- [33] S. Aminah, “Manajemen Bandwidth dalam Mengoptimalkan Penggunaan Router Mikrotik terhadap Pelayanan Koneksi Jaringan,” *J. Inform. Ekon. Bisnis*, vol. 4, pp. 102–106, 2022, doi: 10.37034/infeb.v4i3.144.
- [34] S. Subektiningsih, R. Renaldi, and P. Ferdiansyah, “Analisis Perbandingan Parameter QoS Standar TIPHON Pada Jaringan Nirkabel Dalam Penerapan Metode PCQ,” *Explore*, vol. 12, no. 1, p. 57, 2022, doi: 10.35200/explore.v12i1.527.



- [35] A. A. Rabbany, R. Munadi, S. Syahrial, E. D. Meutia, B. Devanda, and A. Bahri, "Analisis Pengaruh Co-Channel Interference Terhadap Kualitas Wi-Fi Pada Frekuensi 2,4 Ghz," *J. Komputer, Inf. Teknol. dan Elektro*, vol. 6, no. 2, pp. 2–7, 2021, doi: 10.24815/kitektro.v6i2.22127.
- [36] M. R. AdlanFevrier and M. F. Siregar, "Analisis Penggunaan Data Listrik Pada Sistem Telekomunikasi Base Transceiver Station 4G," vol. 4, no. 1, pp. 121–124, 2025.
- [37] "LED Light Facts: What Is The Lumens." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://bo-qi.com/id/led-light-facts-what-is-the-lumens/>
- [38] "ESP32 DevKitC V4." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://jogjarobotika.com/wireless-gps-xbee-module/5529-esp32-devkitc-v4-esp32-wroom-32d-wireless-bluetooth-iot-wroom-esp-32d.html>
- [39] "Modul Relay 1 Channel." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://jogjarobotika.com/relay-module/1029-modul-relay-1-ch.html>
- [40] "LM2596 adj DC-DC step down module." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/aisyahrobot/lm2596-adj-dc-dc-step-down-module-in-3-40v-out-1-5-35v-ultra-compact>
- [41] "SCT-013-000 Sensor Arus AC 10A" Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/beetrona/sct-013-000-sensor-arus-ac-10a>
- [42] "Board Sensor Arus SCT013." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/khurs-iot/sct013-010-10a-1v-non-invasive-ac-current-sensor-arus-klem-transformer-board-only-ceeb4>
- [43] "Kapasitor Elektrolit 1000 μ F." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/iotstore/cnc-capacitor-electrolytic-elco-kapasitor-elektrolit-elko-1000uf-16v>
- [44] "Adaptor Daya 6A 12V." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/viseroindo/adaptor-6a-12v-visero>
- [45] "Konektor Jack DC female." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/stafretshop/konektor-jack-dc-female>
- [46] "Kabel Serabut Merah Hitam Arus DC." Diakses: 7 Juli 2025 [Daring]. Tersedia pada: <https://www.tokopedia.com/galingg/kabel-serabut-merah-hitam-isi-2-2x10mm-2x23mm-2x30mm-kabel-arus-dc-kabel-2x10mm>



- [47] “Kabel Jumper.” Diakses: 7 Juli 2025 [Daring]. Tersedia pada:
<https://www.tokopedia.com/rajacell/kabel-dupont-wire-jumper-cable-for-breadboard-project-board-male-to-male>
- [48] “Lampu Bohlam LED Kuning.” Diakses: 7 Juli 2025 [Daring]. Tersedia pada:
<https://www.tokopedia.com/ecolink-lighting-store/ecolink-lampu-bohlam-led-bulb-9w-kuning-warm-white>