

DAFTAR PUSTAKA

- A R, A., V S, V., Dev, A. V, Pillai, S.R., C M, R.C., H R, T. & M S, J., 2023, Automated Solar Powered Pest Control System, , 303–307.
- Andika, R.J., Rusdinar, A., Wibowo, A.S., Teknik, F., Telkom, U., Kreatif, F.I., Telkom, U., Terapan, F.I., Telkom, U. & Uno, A., 2018, Design and Implementation of Three Phase Motor Driver for Speed Control Bldc Motor Based Pwm on Electric Car, *eProceedings of Engineering*, 5, 1, 48–54.
- Andiyani, D.M., 2020, *PENGARUH JENIS CAHAYA LAMPU DAN SUHU TERHADAP KINERJA ALAT PERANGKAP SERANGGA (LIGHT TRAP) BERBASIS ARDUINO PADA LAHAN PADI (Oryza sativa L.)*,
- Chaithanya, A.S., Sindhuja, D., Bhavana, D. & Vennela, P., 2020, Design and Interfacing of I2C Master with Register and LCD Slaves, *International Journal of Engineering and Advanced Technology*, 9, 4, 2355–2360.
- Dyah Afriyani, A., Prasetya, S., Rahman Filzi, dan, Studi Teknik Konversi Energi, P., Teknik Mesin, J., Negeri Jakarta, P. & A Siwabessy, J.G., 2019, Analisis Pengaruh Posisi Panel Surya terhadap Daya yang dihasilkan di PT Lentera Bumi Nusantara, *Prosiding Seminar Nasional Teknik Mesin Politeknik Negeri Jakarta*, 176–183. <http://semnas.mesin.pnj.ac.id>.
- Faradila, A., Nukmal, N. & Dania, G., 2019, Keberadaan Serangga Malam Berdasarkan Efek Warna Lampu Pada Light Trap di Kebun Raya Liwa Abstrak malam yang diperoleh , analisis dilakukan, *Jurnal Biologi*, 2, 11, 1–8.
- Fitriandi, A., Komalasari, E., dan, H.G.-J.R. & 2016, undefined, 2016, Rancang Bangun Alat Monitoring Arus dan Tegangan Berbasis Mikrokontroler dengan SMS Gateway, *Academia.Edu*, 10, 2. <https://www.academia.edu/download/52674667/215-260-1-PB.pdf>.
- Gunoto, P., Rahmadi, A. & Susanti, E., 2022, PERANCANGAN ALAT SISTEM MONITORING DAYA PANEL SURYA BERBASIS INTERNET OF THINGS, , 5, 2, 285–294.

- Habiburosid, H., Indrasari, W. & Fahdiran, R., 2019, Karakterisasi Panel Surya Hybrid Berbasis Sensor Ina219, , VIII, SNF2019-PA-173–178.
- Hu, Y., Ji, H., Cai, X., Zhu, Z. & Chen, H., 2022, Design of LED Intelligent Insect Monitoring Device Based on STM32, *ICOON 2022 - 20th International Conference on Optical Communications and Networks*, 2022–2024.
- Imran, A. & Rasul, M., 2020, Pengembangan Tempat Sampah Pintar Menggunakan Esp32, *Jurnal Media Elektrik*, 17, 2, 2721–9100.
<https://ojs.unm.ac.id/mediaelektrik/article/view/14193>.
- Jacobi, W. & Eichinger, G., 2000, Lithium rechargeable batteries for portable telecommunication appliances - Basic concepts and Recent Developments, *TELESCON 2000 - 3rd International Telecommunications Energy Special Conference, Proceedings*, 123–127.
- Kumara, A.E., Prasetyawan, B., Baskoro, H.R., Nazibah, I., Aprilianto, K., Handayani, R.N. & Oktiawati, U.Y., 2022, *Perancangan Pembangkit Listrik Tenaga Surya (PLTS) Sistem Top of Pole Portable Dengan Kapasitas 200 WP Sebagai Media Pembelajaran*,
- Lambert, J., Monahan, R. & Casey, K., 2021, Power consumption profiling of a lightweight development board: Sensing with the INA219 and Teensy 4.0 microcontroller, *Electronics (Switzerland)*, 10, 7.
- Larioh, N.K., Toana, M.H. & Pasaru, F., 2018, Pengaruh Intensitas Cahaya Lampu Perangkat Terhadap Populasi dan Intensitas Serangan Penggerek Batang Padi Putih *Scirpophaga innotata* wlk. (Lepidoptera:Pyralidae) Pada Tanaman Padi, *e-J. Agrotekbis*, 6, 1, 136–141.
- Lusiana Utari, E. & Mustiadi, I., 2022, Penerapan Sistem Kontrol Dengan Teknologi Pulse Width Modulation Pada Solar Panel, *Penerapan Sistem Kontrol Dengan Teknologi Pulse Width Modulation Pada Solar Panel*, 1, 1, 92–99.
- Majaw, T., Deka, R., Roy, S. & Goswami, B., 2018, Solar Charge Controllers using MPPT and PWM: A Review, *ADB Journal of Electrical and Electronics Engineering*, 2, 1,

1–4. <https://media.neliti.com/media/publications/287658-solar-charge-controllers-using-mppt-and-66d6c4aa.pdf>.

Muhammad, E.A.R., 2020, SISTEM MONITORING KINERJA PANEL SURYA BERBASIS IoT MENGGUNAKAN ARDUINO UNO PADA PLTS PEMATANG JOHAR, *Jurnal Ekonomi Volume 18, Nomor 1 Maret 201*, 2, 1, 41–49.

Nasrullah, E., Alam, S. & Arif, A., 2022, Perancangan Alat Ukur State of Charge, Depth of Discharge Dan State of Health Baterai Lithium-Ion (Li-Ion) Dan Baterai Nickel-Metal Hydride (Ni-Mh) Menggunakan Arduino Nano, , 204–212.

Nasution, D. & Muhammad, H., 2022, Mentan: Level Mekanisasi Pertanian RI Melonjak 236 Persen, , 1. <https://ekonomi.republika.co.id/berita/r971me380/mentan-level-mekanisasi-pertanian-ri-melonjak-236-persen>, diakses 23 Juli 2023.

Parinduri, S., Yosephine, I.O., Dai, M. & Nasution, R., 2020, Perbandingan efektifitas ferotrap, lighttrap dan ferolight trap terhadap *Oryctes rhinoceros* pada tanaman belum menghasilkan kelapa sawit di kebun padang Brahrang afdeling I PT. langkat nusantara kepong, *Agrohita Jurnal* , 5, 1, 12–24. <http://jurnal.um-tapsel.ac.id/index.php/agrohita>.

Prafanto, A., Budiman, E., Widagdo, P.P., Putra, G.M. & Wardhana, R., 2021, Pendeteksi Kehadiran menggunakan ESP32 untuk Sistem Pengunci Pintu Otomatis, *JTT (Jurnal Teknologi Terapan)*, 7, 1, 37.

Pranata, A., 2021, Automatic Scroll Saw System Dengan Teknik Kendali Kecepatan Pulse Width Modulation (PWM) Berbasis Arduino UNO, *J-SISKO TECH (Jurnal Teknologi Sistem Informasi dan Sistem Komputer TGD)*, 4, 1, 69.

R. L. Budiani, I. Hudati, J. Hendry, T. P. Satya, B. Sumanto, G. Setyawan, and F.I., 2021, *Buku Panduan Penggunaan Teknologi Bioharmonik dan Light Trap*, Departemen DTEDI.

Raghavendra, N.K. & Padmavathi, K., 2018, Solar Charge Controller for Lithium-Ion Battery, *Proceedings of 2018 IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2018*, 1–5.

- Shen, W., Vo, T.T. & Kapoor, A., 2012, Charging algorithms of lithium-ion batteries: An overview, *Proceedings of the 2012 7th IEEE Conference on Industrial Electronics and Applications, ICIEA 2012*, 1567–1572.
- Suhendra, T., Uperiati, A., Purnamasari, D.A. & Yuniarto, A.H., 2018, Kendali Kecepatan Motor DC dengan Metode Pulse Width Modulation menggunakan N-channel Mosfet, *Jurnal Sustainable: Jurnal Hasil Penelitian dan Industri Terapan*, 7, 2, 78–85.
- Sulaiman, A.A., Herodian, S., Hendriadi, A., Jamal, E., Prabowo, Abi, Prabowo, Agung, Mulyantara, L.T., Budiharti, U., Syahyuti & Haerudin, 2018, *Revolusi Mekanisasi Pertanian (Agricultural Mechanization Revolution)*, http://ppid.pertanian.go.id/doc/1/Buku_Seri/Revolusi_Mekanisasi_Pertanian.pdf.
- Teixeira, A.C., Ribeiro, J., Neto, A., Morais, R., Sousa, J.J. & Cunha, A., 2022, Using Deep Learning for Detection and Classification of Insects on Traps, *International Geoscience and Remote Sensing Symposium (IGARSS)*, 2022-July, 1, 5746–5749.
- Wahyuni, S., Rendo, D. & Sarah, M., 2022, Penerapan Teknologi Light Trap Pada Pertanaman Padi Di Desa Detusoko Barat Nusa Tenggara Timur, *JMM (Jurnal Masyarakat Mandiri)*, 6, 1, 217–226.
- Yasin, M., Apriaskar, E. & Djuniadi, 2023, Simulasi Monitoring Arus, Tegangan, dan Daya Panel Surya,
- Yu, Z., Mohammed, A. & Panahi, I., 1997, Review of three PWM techniques, *Proceedings of the American Control Conference*, 1, June, 257–261.