

DAFTAR PUSTAKA

- [1] H. Mulyadi, D. Rochdiani and D. L. Hakim, "ANALISIS USAHATANI MINAPADI (Studi Kasus pada Kelompok Tani Fajar Jayamukti di Desa Jayamukti Kecamatan Leuwisari Kabupaten Tasikmalaya)", Jurnal Ilmiah Mahasiswa AGROINFO GALUH, vol.7, no.1, pp.45-55, 2020
- [2] Pusat Data dan Sistem Informasi Pertanian, Statistik Ketenagakerjaan Sektor Pertanian Tahun 2025 – Februari 2025. Jakarta, Indonesia: Sekretariat Jenderal Kementerian Pertanian, 2025.
- [3] S. Suwignyo, Hersanti and F. Widiyanti, "Pengaruh Kitosan Nano terhadap Penyakit Bercak Coklat (*Alternaria solani* Sor.) pada Tanaman Tomat", Jurnal Agrikultura, vol.32, no.3, pp.239-247, 2021
- [4] Siregar, R., Lubis, R., & Nasution, F. (2023). *Tingkat serangan organisme pengganggu tanaman (OPT) terhadap pertumbuhan dan hasil tanaman sawi hijau (*Brassica juncea* L.)*. **Fruitset: Jurnal Pertanian**, 4(2), 45–52..
- [5] Badan Pusat Statistik, "Produksi Tanaman Tomat Menurut Provinsi (ton), 2023–2024," BPS, 2024. [Online]. Available: <https://www.bps.go.id>. [Accessed: 14-Sep-2025].
- [6] Marthin Kalay, J. Patty and M. Sinay, "Perkembangan *Alternaria solani* pada Tiga Varietas Tanaman Tomat", Jurnal Agrikultura, vol.26, no.1, pp.1-6, 2015
- [7] K. Ivors, "Late Blight of Tomato", *North Carolina Cooperative Extension*, North Carolina State University, 2013.
- [8] Pandey, R. Paudel, T. B. Adhikari, D. R. Panthee, and F. J. Louws, "Septoria Leaf Spot of Tomatoes: Historical Insights, Present Challenges, and Future Prospects", *horticulture*, vol. 10, pp.1-21, 2021
- [9] M. Shereesha, G. K. Sandhia and R. Pitchai, "Computer Vision Based Crop Disease Prediction in Precision Agriculture," 2024 2nd International Conference on Signal Processing, Communication, Power and Embedded System (SCOPEs), Paralakhemundi Campus, Centurion University of Technology and Management, Odisha., India, 2024, pp. 1-5, doi: 10.1109/SCOPEs64467.2024.10991115.

- [10] IEC, IEC 62109-1: Safety of power converters for use in photovoltaic power systems – Part 1: General requirements, International Electrotechnical Commission, Geneva, Switzerland, 2010.
- [11] ISO/IEC, ISO/IEC 25010: Systems and software engineering – Systems and software quality requirements and evaluation (SQuARE) – System and software quality models, International Organization for Standardization and International Electrotechnical Commission, Geneva, Switzerland, 2011.
- [12] H. Muchtar and R. A. Syamsur, “Fuzzy Logic pada Sistem Pendingin Ruangan Berbasis Raspberry”, RESISTOR (Elektronika Kendali Telekomunikasi Tenaga Listrik Komputer), vol.4, no.2, pp.155-162, 2021
- [13] Khairunnas, E. M. Yuniarno and A. Zaini, “Pembuatan Modul Deteksi Objek Manusia Menggunakan Metode YOLO untuk Mobile Robot”, JURNAL TEKNIK ITS, vol.10, no.1, pp.50-55, 2021
- [14] P. Santoso, H. Abijono and N. L. Anggreini, “ALGORITMA SUPERVISED LEARNING DAN UNSUPERVISED LEARNING DALAM PENGOLAHAN DATA”, Jurnal Teknologi Terapan, vol.4, no.2, pp.315-318, 2021 https://www.researchgate.net/figure/Gambar-3-Input-Output-YOLO-Bounding-box-adalah-metode-pengenalan-objek-di-dalam-gambar_fig1_374396702. [Diakses: 28 Oktober 2025].
- [15] gudangkamera, “Apa itu Megapixel? Benarkah Semakin Besar Megapixel Kualitas Foto Semakin Baik?”, <https://gudangkamera.net/>[online], Available: <https://gudangkamera.net/blogs/26-apa-itu-megapixel.html>, [Diakses: October 28, 2025]
- [16] F. B. Setiawan, H. W. Kusuma, S. Riyadi and L. H. Pratomo, “Penerapan PI Cam Menggunakan Program Berbasis Raspberry PI 4”, CYCLOTRON : Jurnal Teknik Elektro, vol.5, no.2, pp.51-56, 2022
- [17] “Raspberry Pi 3 Camera Night Vision 5MP 3.6mm 1080p Kamera Raspi 3 B+”. Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5r6CWMd/> [Diakses: 26 Desember 2025]
- [18] “Original Raspberry Pi Camera Module V2 8MP Cam Module Jetson - Dengan Dus”. Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5r6UFex/>. [Diakses: 26 Desember 2025]

- [19] "Official Raspberry Pi Camera Modul V3 Wide HD 12MP". Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5r67MsC/>. [Diakses: 26 Desember 2025]
- [20] Y. A. K. Utama, Y. Widiyanto, T. A. Sardjono and H. Kusuma, "PERBANDINGAN KUALITAS ANTAR SENSOR kelembapan UDARA DENGAN MENGGUNAKAN ARDUINO UNO", Prosiding SNST, vol.10, pp.60-65, 2019
- [21] "DHT11 DHT-11 DHT 11 SENSOR SUHU DAN kelembapan HUMIDITY PLUS KABEL". Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5rMfuxL/>. [Diakses: 26 Desember 2025]
- [22] "DHT22 AM2302 Temperature Humidity Sensor Suhu Module for Arduino," Shopee. [Online]. Tersedia: <https://shopee.co.id/DHT22-AM2302-TEMPERATURE-HUMIDITY-SENSOR-SUHU-MODULE-FOR-ARDUINO-i.62956347.4811140436>. [Diakses: 26 Desember 2025]
- [23] "GY-BME280 Sensor Tekanan Kelembapan I2C SPI," Shopee. [Online]. Tersedia: <https://shopee.co.id/GY-BME280-Sensor-Tekanan-Kelembapan-I2C-SPI-i.62956347.10591373995>. [Diakses: 26 Desember 2025]
- [24] Bavitra, L. A. Sakti, D. Saputra, Z. Ikhwan, Baharudin and M. A. Alharits, "Studi Komparasi Sensor Kelembapan Tanah Menggunakan ESP32", Jurnal Riset Rumpun Ilmu Teknik, vol.4, no.1, pp.680-691, 2025
- [25] "Sensor kelembapan Tanah Soil Moisture Sensor Hygrometer Resistive," Shopee. [Online]. Tersedia: <https://shopee.co.id/Sensor-kelembapan-Tanah-Soil-Moisture-Sensor-Hygrometer-Resistive-i.136926151.7503127304>. [Diakses: 26 Desember 2025]
- [26] "Capacitive Soil Sensor Tanah Hygrometer Humidity Moisture Module V1.2 V2.0 – Sensor kelembapan Tanah untuk Proyek DIY," Shopee. [Online]. Tersedia: <https://shopee.co.id/Capacitive-Soil-Sensor-Tanah-Hygrometer-Humidity-Moisture-Module-V1.2-V2.0-%E2%80%93-Sensor-kelembapan-Tanah-untuk-Proyek-DIY-i.62956347.4617240097>. [Diakses: 26 Desember 2025]

- [27] D. W. Wijaya, Hugeng and H. S. Utama, "Analisis Penggunaan Sumber Daya Pada Jetson Nano Untuk Sistem Pengenalan Wajah", JUTEL, vol.8, no.2, pp.85-91, 2024
- [28] "jetson nano 4gb developer development kit original B01". Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5rreNPH/>. [Diakses: 26 Desember 2025]
- [29] D. K. Pribadi and S. R. Akbar, "Implementasi Raspberry Pi 5 Pulse Width Modulation pada Sistem Penghantar Daya Nirkabel", Jurnal Pengembangan Teknologi Informasi dan Ilmu Komputer, vol.1, no.1, pp.1-8, 2017
- [30] "Raspberry Pi 5 - 4GB RAM Quad-Core Processor 2.4GHz". Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5rrrLGs/>. [Diakses: 26 Desember 2025]
- [31] "Raspberry Pi 4 Model B 4GB MADE IN UK". Shopee. [Online]. Tersedia : https://shopee.co.id/Raspberry-Pi-4-Model-B-4GB-MADE-IN-UK-i.85446693.4215346708?extraParams=%7B%22display_model_id%22%3A71994379719%2C%22model_selection_logic%22%3A3%7D&sp_atk=d6abd7ad-7569-474f-bd1e-de7109fa7e85&xptdk=d6abd7ad-7569-474f-bd1e-de7109fa7e85/. [Diakses: 26 Desember 2025]
- [32] D. Permadi, E. R. Apipah, and E. Z. Oktavian, "RANCANG BANGUN SISTEM MONITORING PENGAMAN ARUS BOCOR PADA INSTALASI LISTRIK RUMAH TANGGA BERBASIS ARDUINO UNO". Integrative Perspectives of Social and Science Journal (IPSSJ), vol.2, no.1, pp.1331-1339, 2024
- [33] N. Chitraningrum et al., "Comparison Study of Corn Leaf Disease Detection based on Deep Learning YOLO-v5 and YOLO-v8," Journal of Engineering and Technological Sciences, vol. 56, no. 1, pp. 61-70, 2023.
- [34] E. Iren, "Comparison of YOLOv5 and YOLOv6 Models for Plant Leaf Disease Detection," Engineering, Technology & Applied Science Research, vol. 14, no. 2, pp. 13714-13719, 2024
- [35] L. M. Sotarjua and D. B. Santoso, "PERBANDINGAN ALGORITMA KNN, DECISION TREE, DAN RANDOM FOREST PADA DATA

- IMBALANCED CLASS UNTUK KLASIFIKASI PROMOSI KARYAWAN”, JURNAL INSTEK, vol.7, no.2, pp.192-200, 2022
- [36] E. Ezhilarasan and M. Dinakaran, "A Review on Mobile Technologies: 3G, 4G and 5G," 2017 Second International Conference on Recent Trends and Challenges in Computational Models (ICRTCCM), Tindivanam, India, 2017, pp. 369-373, doi: 10.1109/ICRTCCM.2017.90.
- [37] “Modem Huawei E3531 Blasting 3G Unlock”. Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5rhefs8/>. [Diakses: 26 Desember 2025]
- [38] “Modem USB SMARTCOM E8372 4G LTE Unlock All Operator E 8372 DONGLE”. Tokopedia. [Online]. Tersedia : <https://tk.tokopedia.com/ZS5rhtTgu/>. [Diakses: 26 Desember 2025]
- [39] H. Makhabbah and A. I. Agung. “RANCANG BANGUN SISTEM MONITORING KONSUMSI DAYA LISTRIK DAN PEMUTUS DAYA OTOMATIS BERBASIS INTERNET”, Jurnal Teknik Elektro, vol.9, no.1, pp.783-790, 2020
- [40] Acome Indonesia, “Spesifikasi Power Bank AP201 20000mAh.”, 2025 [Online]. Tersedia: <https://www.acomeofficial.com/product-page/ap201-fast-charging-powerbank?lang=id> [Diakses pada: 2 November 2025].
- [41] "ACOME Powerbank 20.000 mAh All in 1 Fast Charging QC3.0 PD VOC SCP Garansi Resmi 18 Bln AP201" Tokopedia. [Online]. Tersedia: <https://tk.tokopedia.com/ZS5rBkrYa/>. [Diakses: 26 Desember 2025]
- [42] genstattu, “Gens ace 3000mAh 2S 7.4V TX Lipo Battery Pack with JST Plug”, [Online]. Tersedia : https://genstattu.com/GA-B-TX-3000-2S1P-JST?srsltid=AfmBOopBwm9jwssQ840S9JlZ0O5qSCYambUSM2yh41EOpGt_9GmqX-5E. [Diakses pada : 2 November 2025]
- [43] "Lipo 2s 7.4v 2800mah 25-50c Onbo Power Mainan, Remote, dan Kendaraan Toy Control" Tokopedia. [Online]. Tersedia: <https://tk.tokopedia.com/ZS5rBvmVu/>. [Diakses: 26 Desember 2025]
- [44] Sufinebattery, “Menjelajahi Spesifikasi Baterai 18650: Ukuran, Tegangan, dan Kapasitas”, 2025[Online]. Tersedia:

<https://www.ufinebattery.com/blog/exploring-18650-battery-specs/>. [Diakses pada: 2 November 2025].

- [45] "baterai 18650 3000mah 3.7v Grade A+ rechargeable lithium Li-ion ori - +positif" Tokopedia. [Online]. Tersedia: <https://tk.tokopedia.com/ZS5rSL4wT/>. [Diakses: 26 Desember 2025]
- [46] D. Pramadhana, D. Amalia, S. Lena, and A. Ghazali. PENERAPAN METODE ROI DAN TOPSIS DALAM PERANCANGAN SISTEM CERDAS INVESTASI TAMBAK IKAN BERBASIS WEB. Jurnal Teknologi dan Sistem Informasi Univrab, vol.10, pp.459-471, 2025
- [47] J. J. Phillips, "Chapter 2 – ROI Model," in Improving Human Performance: Return on Investment in Training and Performance Improvement Programs, 2nd ed. Butterworth-Heinemann, 2003, pp. 32–57. doi: 10.1016/B978-0-7506-7601-4.50005-5
- [48] Z.A Fanami, "Benefit Cost Analysis Dalam Pembangunan Rusun Penjaringan dengan Metode NPV, IRR, PP, BCR Menggunakan Software Investment Evaluation", Scientific Journal of Industrial Engineering, vol.2, no.2, pp.1-8, 2021

