

DAFTAR PUSTAKA.

- Adelina, R., Nasution, J., Harahap, S., Amnah, R., & Syafitriana, N. S. 2024. Respon pertumbuhan dan produksi tanaman kangkung terhadap berbagai dosis larutan nutrisi AB Mix pada budidaya hidroponik sistem wick. *Jurnal Agri Nauli*, 1(1), 1–9.
- Agustian, I., Prayoga, B. I., Santosa, H., Daratha, N., & Faurina, R. 2022. *NFT Hydroponic Control Using Mamdani Fuzzy Inference System*. arXiv. <https://arxiv.org/abs/2208.00364>
- Agustian, I., Prayoga, B. I., Santosa, H., Daratha, N., & Faurina, R. 2022. *NFT Hydroponic Control Using Mamdani Fuzzy Inference System*. arXiv. <https://arxiv.org/abs/2208.00364>
- AIP Advances. 2023. *Ground and river water quality monitoring using a smartphone-based pH sensor*. AIP Publishing.
- da Silva, A. F., et al. 2022. *Artificial intelligence enables mobile soil analysis for sustainable agriculture*. arXiv.
- Darnita, Y., Discrise, A., & Toyib, R. 2021. Prototype Alat Pendeksi Kebakaran Menggunakan Arduino. *Jurnal Informatika Upgris*, 7(1).
- DFRobot. 2023. *Gravity: Analog TDS Sensor/Meter for Arduino*. <https://www.dfrobot.com/product-1662.html>
- Dias, D., & Postolache, O. 2024. *Potentiostat network for precision agriculture*. ResearchGate.
- Espressif Systems. (2021). *ESP32 Technical Reference Manual*. Retrieved from <https://www.espressif.com>
- Fitriyani, I. H., A'yun, Q. Q., & Djajakirana, G. 2023. *The Production and Application of Liquid Organic Fertilizer (LOF) as Nutrient Substitution of AB Mix on the Water Spinach (Ipomoea reptans) Growth in the Hydroponic Wick System*. *Jurnal Tanah dan Sumberdaya Lahan*, 10(2), 401–407.
- Harijanto, P. S., Saputra, M., & Hakim, M. F. 2022. Analisis Penambahan Nutrisi Pada Tanaman Hidroponik Berbasis Internet of Things. *ELPOSYS: Jurnal Sistem Kelistrikan*, 9(3), 173-178.
- Javed, S., Issaoui, L., Cho, S., & Chun, H. 2021. Utilization of LED grow lights for optical wireless communication-based RF-free smart-farming system. *Sensors*, 21(20), 6833.

- Kahfi, M. W. A. 2022. Sistem Monitoring Pertumbuhan Tanaman Microgreen Bayam Menggunakan Metode Fuzzy Berbasis Internet of Things (Doctoral dissertation, Politeknik Negeri Jember).
- Karim, S., Khamidah, I. M., & Yulianto, Y. 2021. Sistem Monitoring pada Tanaman Hidroponik menggunakan Arduino UNO dan NodeMCU. Buletin Poltanesa, 22(1), 75-79.
- Lestari, H. A., Kurniawan, A., & Yuwono, T. A. 2023. Otomatisasi Ultrasonik Fogger Budidaya Selada Keriting Hijau Secara Fogponik di Pertanian Indoor berbasis Internet of Things (IoT): Automation of Ultrasonic Fogger to Lettuce Cultivation Fogponic in Indoor Farming Internet of Things (IoT) based. Jurnal Ilmiah Inovasi, 23(2), 111-117.
- Mastropasqua, L., Paciolla, C., & Renna, M. 2021. *Microgreens: Functional food and innovative technology for sustainable agriculture*. Agronomy, 11(2), 305. <https://doi.org/10.3390/agronomy11020305>
- Nurdiansyah, A., & Fatimah, N. 2024. Penerapan Teknologi Fogponic pada Budidaya Tanaman Sayur di Lingkungan Urban. Jurnal Teknologi Pertanian, 15(2), 101–108.
- Nurhayati, S., Anggraeni, R., & Saputra, M. 2022. Kandungan Gizi dan Manfaat Konsumsi Selada (*Lactuca sativa*) dalam Pola Hidup Sehat. Jurnal Gizi dan Pangan, 17(1), 45–52.
- Pamungkas, Y., Sari, Z., & Sumadi, F. D. S. 2021. Analisis dan Implementasi Alat Penyiraman Otomatis Pada Tanaman Microgreen Berbasis Internet of Things (IoT). Jurnal Repositor, 3(2).
- Panduan Lengkap Tentang Lampu LED Grow Light untuk Pertumbuhan Tanaman .2024. Retrieved from kiakrikil.com: <https://kiakrikil.com/lampu-led-grow-light/>
- Rizki, M. T., Prasetyo, D., & Handayani, R. 2023. *Rancang Bangun Sistem Fogponic Otomatis Berbasis IoT untuk Budidaya Sayuran Daun*. Prosiding Seminar Nasional Teknologi dan Sains Terapan, 9(1), 154–160.
- Rohman, A. A. N., Hidayat, R., & Ramadhan, F. R. 2021. Pemrograman Mesin Smart Bartender Menggunakan Software Arduino IDE Berbasis Microcontroller ATmega2560. In Seminar Nasional Teknik Elektro (Vol. 6, No. 1, pp. 14-21).

- Rohman, M. A., Pranoto, H., & Rachmawan, H. 2022. "Perancangan Sistem Monitoring Suhu dan Kelembaban Berbasis ESP32 dan IoT." *Jurnal Teknik Elektro dan Komputer*, 11(1), 45-52.
- Rosnina, N., & Mauliza, F. 2020. Analisis Kandungan Gizi dan Manfaat Selada (*Lactuca sativa*) sebagai Sayuran Fungsional. *Jurnal Pertanian Terapan*, 4(2), 87–95.
- Rosnina, R., & Mauliza, S. 2020. Optimization of AB-mix fertilizer on varieties of hydroponic lettuce (*Lactuca sativa* L.). *Journal of Tropical Horticulture*, 3(2), 86-91.
- Sani, R. A., Yuliana, R., & Ramadhan, M. F. 2024. IoT-Enhanced Mechanical System for Fogponic Cultivation: Air Circulation and Environmental Control. *International Research Journal of Engineering and Technology (IRJET)*, 11(4), 2374–2381.
- Sarangani, Jamal Omar et al. 2024. "Development of Fogponics Cultivation System for Microgreens with Internet of Things Monitoring System and Machine Learning Automation." *Inmatch Agricultural Engineering* .: n. pag.
- Saydi, R., Fanata, W. I. D., Ristiyana, S., & Saputra, T. W. 2022. *Effect of Variation of Planting Media and Nutrition Dose of AB Mix on Growth and Production of Tomato (Solanum lycopersicum L.) with Dutch Bucket Hydroponic System*. *Jurnal Agrotek Tropika*, 10(4), 607.
- Şen, M., & Seven, F. 2021. *An Extended Gate Field Effect Transistor (EGFET)-based pH Microsensor Utilizing a Polypyrrole Coated pH Microelectrode*. arXiv.
- Suharjo, U. K. J., Siburian, W. L., & Marlin, M. 2023. Uji enam racikan nutrisi hidroponik pada tanaman pakchoy (*Brassica rapa* L.) sebagai pengganti larutan AB-Mix. *Proceedings Series on Physical & Formal Sciences*, 5, 251–259.
- Traversa, F. L., et al. 2021. *Recent Advances in Optical, Electrochemical and Field Effect pH Sensors*. *Chemosensors*, 9(2):33.
- Turner, E. R., Luo, Y., & Buchanan, R. L. 2020. *Microgreens: A review of food safety considerations*. *Trends in Food Science & Technology*, 98, 152–162. <https://doi.org/10.1016/j.tifs.2020.01.018>
- Turner, Ellen R., Yaguang Luo, and Robert L. Buchanan. "Microgreen nutrition, food safety, and shelf life: A review." *Journal of food science* 85.4 2020: 870-882.