

DAFTAR PUSTAKA

- Ahen, C. C. G. M., Ruslianto, I., & Ristian, U. (2022). Sistem pemantauan dan kendali budidaya selada dalam ruangan pada media tanah berbasis Internet of Things. *CESS (Journal of Computing Engineering, System and Science)*, 7(2), 510–525. DOI: <https://doi.org/10.24114/cess.v7i2.36303>
- Aji, A. A., Wicaksono, D. W., & Nur, K. M. (2025). Aplikasi sistem irigasi tetes pada lahan budidaya hortikultura di Desa Tambong. *Jurnal Pengabdian dan Penerapan IPTEK*, 9(2), 187–198. <https://doi.org/10.31284/j.jpp-iptek.2025.v9i2.6528>
- Allen, R. G., Pereira, L. S., Raes, D., & Smith, M. (1998). *Crop evapotranspiration: Guidelines for computing crop water requirements* (FAO Irrigation and Drainage Paper No. 56). Food and Agriculture Organization of the United Nations. <https://www.fao.org/3/x0490e/x0490e00.htm>
- Andani, Poppy Oktafia Tri, & Bintarjo, Benny. (2024). Studi penerapan konsep berkelanjutan dan berkembang pada perancangan fasilitas urban farming di kota surabaya. *ARSIP Jurnal Arsitektur*, 4(1), 44-50. <https://doi.org/10.54325/arsip.v4i1.61>
- Ardiansah, I., Putri, S. H., Wibawa, A. Y., & Rahmah, D. M. (2018). Optimalisasi ketersediaan air tanaman dengan sistem otomasi irigasi tetes berbasis Arduino Uno dan nilai kelembaban tanah. *ULTIMATICS*, 10(2), 78–84. <https://doi.org/10.31937/teknologi.v10i2.955>
- Azzani, M. A. (2023). Sistem kontrol suhu dan kelembaban tanah pada sistem irigasi tetes berbasis *Internet of Things* (IoT): Studi kasus tanaman selada merah [Skripsi, Universitas Islam Malang].
- Cellindita, S., Fitrianti, A. A., & Kamil, M. (2024). Collaborative Governance dalam Upaya Peningkatan Ketahanan Pangan melalui Urban Farming di Kota Bandung. *Jurnal Pendidikan, Administrasi, Sains, Ekonomi, dan Pemerintahan*, 4(2). <https://doi.org/10.61578/honai.vol4.no2.art1>
- Fauzi, & Amarudin. (2025). Internet of Things and web integration for real-time monitoring and control of tates irrigation. *MALCOM: Indonesian Journal of Machine Learning and Computer Science*, 5(4), 1481–1489. <https://doi.org/10.57152/malcom.v5i4.2298>
- Gordon, T. R., & Koike, S. T. (2015). Management of *Fusarium wilt* of lettuce. *Crop Protection*, 73, 45–49. <https://doi.org/10.1016/j.cropro.2015.01.011>
- Gultom, F., & Harianto, S. (2022). Lunturnya Sektor Pertanian di Perkotaan. *Jurnal Analisa Sosiologi*, 11(1), 49-72. <https://doi.org/10.20961/jas.v11i1.56324>
- Handani, G. P. C., Zuroida, A., Amaral, H. D. F., Hakim, L., Duanaputri, R., & Hermawan, A. (2024). Pemasangan instalasi *drip system* untuk efisiensi lahan guna mendukung urban farming pada PT Tanduria Agromedia Indonesia. *J-Abdi: Jurnal Pengabdian Kepada Masyarakat*, 4(7), 793–799. <https://doi.org/10.53625/jabdi.v4i7.8891>
- Hasriati, & Anshar, M. (2023). Pengaruh perbandingan media tanam (tanah dan pupuk kandang) terhadap pertumbuhan dan hasil tanaman selada (*Lactuca sativa* L.). *e-J. Agrotekbis*, 11(3), 542–549. DOI: 10.22487/agrotekbis.v11i3.1724
- Keller, J., & Bliesner, R. D. (1990). *Sprinkle and trickle irrigation*. Springer Science+Business Media. <https://doi.org/10.1007/978-1-4757-1425-8>

- Khasanah, N. (2021). Urban Farming Sebagai Upaya Peningkatan Ekonomi Sulampua. *Medikonis*, 12(2), 10-19. <https://doi.org/10.52659/medikonis.v12i2.39>
- Kusmutafmi, S. W., Utama, P., Rumbiak, J. E. R., & Sodik, A. H. (2023). Pengaruh Pemberian Konsentrasi Pupuk Organik Cair Urine Kelinci Terhadap Pertumbuhan dan Hasil Tiga Varietas Tanaman Selada (*Lactuca sativa* L.) Secara Hidroponik Sistem Sumbu. *Agrovital: Jurnal Ilmu Pertanian*, 8(2), 145-158. <https://doi.org/10.35329/agrovital.v8i2.4830>
- Kusumawardani, M., Sarosa, M., & Hapsari, R. I. (2019). Pemanfaatan IoT (Internet of Things) pada irigasi tetes untuk tanaman jeruk. *Prosiding PKM-CSR*, 2, 62–67. <https://doi.org/10.37695/pkmcsr.v2i0.447>
- Latham, L. J., Jones, R. A. C., & McKirdy, S. J. (2004). Lettuce big-vein disease: Sources, patterns of spread, and losses. *Australian Journal of Agricultural Research*, 55(2), 125–130. <https://doi.org/10.1071/AR03146>
- Mishra, B., Mishra, B., Kertesz, A. Stress-Testing MQTT Brokers: A Comparative Analysis of Performance Measurements. *Energies*, 2021, 14, 5817. <https://doi.org/10.3390/en14185817>
- Munson, B. R., Okiishi, T. H., Huebsch, W. W., & Rothmayer, A. P. (2013). *Fundamentals of Fluid Mechanics* (7th ed.). John Wiley & Sons.
- Murtianta, B., Ronaldo, S. D., & Susilo, D. (2022). Perancangan Prototype Smart Indoor Greenhouse IoT untuk Membantu Permasalahan Budidaya Tanaman Selada di Kota Kupang. *Techné Jurnal Ilmiah Elektroteknika*, 21(2), 297-310. <https://doi.org/10.31358/techne.v21i2.331>
- Niyigena Kwizera, V. de P., Li, Z., Elikplim Lumorvie, V., Nambajemariya, F., & Niu, X. (2021). IoT based greenhouse real-time data acquisition and visualization through Message Queuing Telemetry Transfer (MQTT) protocol. *Advances in Internet of Things*, 11, 77–93. <https://doi.org/10.4236/ait.2021.112006>
- OASIS. (2015). MQTT Version 3.1.1 Plus Errata 01. OASIS Standard. <https://docs.oasis-open.org/mqtt/mqtt/v3.1.1/errata01/os/mqtt-v3.1.1-errata01-os-complete.pdf>
- Poga, Y., Nurdin, & Pembengo, W. (2023). Analisis kebutuhan air tanaman selada (*Lactuca sativa* L.) pada Inceptisol dan Vertisol berbasis Internet of Things (IoT). *Jurnal Tanah dan Sumberdaya Lahan*, 10(2), 417–424. <https://doi.org/10.21776/ub.jtsl.2023.010.2.25>
- Qays, M. O., Ahmad, I., Abu-Siada, A., & Hossain, M. L. (2023). Key communication technologies, applications, protocols and future guides for IoT-assisted smart grid systems: A review. *Energy Reports*, 9, 2440–2452. <https://doi.org/10.1016/j.egy.2023.01.085>
- Resh, H. M. (2013). *Hydroponic Food Production: A Definitive Guidebook for the Advanced Home Gardener and the Commercial Hydroponic Grower* (7th ed.). CRC Press.
- Shock, C. C., Shock, B. M., & Welch, T. (2013). *Strategies for efficient irrigation water use* (EM 8783, revised March 2013). Oregon State University Extension Service.
- Sudewi, S., Idris, A. R. S., Ratnawati, K. J., Hidayat, T., & Nurfitriani, A. (2022). Optimalisasi media perkecambahan yang berbeda terhadap viabilitas dan vigor benih selada merah (*Lactuca sativa* L. var. Olga Red). *Agrovital: Jurnal Ilmu Pertanian*, 7(2), 107–111. DOI: [10.35329/agrovital.v7i2.3666](https://doi.org/10.35329/agrovital.v7i2.3666)

- Septya, Fanny, Rosnita, & Yulida, Roza. (2022). Urban Farming Sebagai Upaya Ketahanan Pangan Keluarga di Kelurahan Labuh Baru Timur Kota Pekanbaru. *Reswara: Jurnal Pengabdian Kepada Masyarakat*, 3(1), 105-114. <https://doi.org/10.46576/rjpkm.v3i1.1552>
- Susanto, F., Prasiani, N. K., & Darmawan, P. (2022). Implementasi *Internet of Things* dalam Kehidupan Sehari-hari. *Jurnal IMAGINE*, 2(1), 35-40. <https://doi.org/10.24036/jurnal.imagine.v2i1.1234>.
- Syahfitri, A. (2025). *Internet of Things* (IoT), Sejarah, Teknologi, dan Penerapannya. *Uranus: Jurnal Ilmiah Teknik Elektro, Sains dan Informatika*, 3(1), 113–120. <https://doi.org/10.61132/uranus.v3i1.667>
- Taiz, L., & Zeiger, E. (2015). *Plant Physiology and Development* (6th ed.). Sinauer Associates.
- Tusa, F., & Clayman, S. (2021). The Impact of Encoding and Transport for Massive *Real-time* IoT Data on Edge Resource Consumption. *Journal of Grid Computing*, 19(1), 32-42. <https://doi.org/10.1007/s10723-021-09577-9>.
- Valiantzas, J. D. (2005). Modified Hazen–Williams and Darcy–Weisbach equations for friction and local head losses along irrigation laterals. *Journal of Irrigation and Drainage Engineering*, 131(4), 342–350. [https://doi.org/10.1061/\(ASCE\)0733-9437\(2005\)131:4\(342\)](https://doi.org/10.1061/(ASCE)0733-9437(2005)131:4(342))
- Walidain, A. I. B. (2024). *Sistem kendali kadar air tanah dan monitoring suhu tanah berbasis Internet of Things (IoT) pada irigasi tetes* (Tugas akhir, Universitas Hasanuddin).
- Waruwu, M. (2024). Metode Penelitian dan Pengembangan (R&D): Konsep, Jenis, Tahapan dan Kelebihan. *Jurnal Ilmiah Profesi Pendidikan*, 9(2), 1220–1230. <https://doi.org/10.29303/jipp.v9i2.2141>
- Yunita, R., Jamsari, Purnama Sari, W., Erona, M., Syukriani, L., Rosadi, F. N., Venora, J., & Huda, H. (2023). Pengenalan Teknologi Urban Farming dengan Metode Budidaya Microgreen di SMP Baiturrosyid School Kecamatan Koto Tangah, Kota Padang. *Jurnal Hilirisasi IPTEKS*, 6(3), 295-304. <https://doi.org/10.25077/jhi.v6i3.692>

