

## DAFTAR PUSTAKA

- Abdulkadir, A. T., Hassan, U. F., & Bichi, A. H. (2024). Greenhouse environment monitoring and control system for optimal crop growth using IoT. *Technologies, Protocols, and Applications of Internet of Things in Greenhouse Farming*. ScienceDirect. <https://doi.org/10.1016/j.sciaf.2024.01.027>
- Brechner, M., Both, A. J., & Staff, C. E. A. (2011). *Hydroponic lettuce handbook*. Cornell Controlled Environment Agriculture. Cornell University.
- Díaz, B. M., Fereres, A., & Fernández, E. (2006). Ultraviolet-blocking materials as a physical barrier to control insect pests and pathogens in protected crops. *Phytoparasitica*, 34(5), 452–461. <https://doi.org/10.1007/BF02981026>
- Fadillah, R., Buaton, F., & Ramadani, S. (2023). IoT-based hydroponic plant monitoring system. *Journal of Artificial Intelligence and Engineering Applications (JAIEA)*, 3(1), 38–43.
- Frontiers in Plant Science. (2026). Dissolved oxygen limitation and Pythium root rot in strawberry NFT systems: Mechanisms, research gaps, and prospects for substrate-free production. *Frontiers in Plant Science*. <https://doi.org/10.3389/fpls.2026.1829367>
- Kotler, P., & Keller, K. L. (2016). *Marketing management* (15th ed.). Pearson Education.
- Kour, K., & Gupta, D. (2022). Monitoring ambient parameters in the IoT precision agriculture scenario: An approach to sensor selection and hydroponic saffron cultivation. *Sensors (Basel)*, 22(22), 8905. <https://doi.org/10.3390/s22228905>
- Legarrea, S., Barrios, L., Plaza, M., Garzo, E., Bonani, J. P., Morales, M., & Fereres, A. (2014). Dispersal of aphids, *Bemisia tabaci* and its parasitoid *Eretmocerus mundus* in sweet pepper crops under UV-blocking and UV-transparent enclosures. *BioControl*, 59(3), 331–342. <https://doi.org/10.1007/s10526-014-9572-1>

- Mappanganro, N., Pasalli, D. A., & Rahminawati. (2021). Pengaruh cara pengemasan dan suhu penyimpanan terhadap mutu pascapanen selada (*Lactuca sativa* L.) hidroponik. *Jurnal Agroteknologi*, 15(1), 1–10.
- Maulana, M. A., Wijaya, I., & Suroso, B. (2020). Respon pertumbuhan tanaman selada (*Lactuca sativa*) terhadap pemberian nutrisi dan beberapa macam media tanam sistem hidroponik NFT (Nutrient Film Technique). *Agritrop: Jurnal Ilmu-Ilmu Pertanian (Journal of Agricultural Science)*, 18(1). <https://doi.org/10.32528/agritrop.v18i1.3270>
- Nicola, S., Pignone, D., & Fontana, E. (2020). Horticultural crops in hydroponic systems. In *Hydroponics: A Standard Methodology for Plant Biological Researches*. IntechOpen.
- Olympios, C. M. (1999). Overview of soilless culture: Advantages, constraints and perspectives for its use in Mediterranean countries. *Cahiers Options Méditerranéennes*, 31, 307–324.
- Pamungkas, L., Rahardjo, P., & Agung, I. G. A. P. R. (2021). Rancang bangun sistem monitoring pada hidroponik NFT menggunakan ESP8266 berbasis IoT. *Jurnal SPEKTRUM*, 8(2). <https://doi.org/10.24843/SPEKTRUM.2021.v08.i02.p14>
- Putra, M. D., & Yulisman, O. (2020). Penerapan hidroponik sistem Nutrient Film Technique (NFT) di Kelurahan Tangkerang Selatan Kecamatan Bukit Raya Pekanbaru. *Community Development Journal: Jurnal Pengabdian Masyarakat*, 1(3).
- Roidah, I. S. (2014). Pemanfaatan lahan dengan menggunakan sistem hidroponik. *Jurnal Universitas Tulungagung Bonorowo*, 1(2), 43–50.
- Rosliani, R., & Sumarni, N. (2005). Budidaya tanaman sayuran dengan sistem hidroponik. Balai Penelitian Tanaman Sayuran.
- Saputra, I. D., Fadillah, M., & Firmawati, N. (2025). Prototipe sistem kontrol dan monitor tanaman hidroponik pada sayuran pakcoy berbasis Internet of Things. *Jurnal Fisika Unand*, 14(2), 191–197. <https://doi.org/10.25077/jfu.14.2.191-197.2025>

- Saputro, T. A., & Ramelan, A. H. (2020). Application of NFT hydroponics system in Indonesia: A review. IOP Conference Series: Materials Science and Engineering, 935(1), 012063. <https://doi.org/10.1088/1757-899X/935/1/012063>
- Susila, A. D. (2013). *Sistem hidroponik: Teori dan aplikasi*. Institut Pertanian Bogor Press.
- Touliatos, D., Dodd, I. C., & McAinsh, M. (2016). Vertical farming increases lettuce yield per unit area compared to conventional horizontal hydroponics. Food and Energy Security, 5(3), 184–191. <https://doi.org/10.1002/fes3.83>
- Wati, D. R., & Sholihah, W. (2021). Pengontrol pH dan nutrisi tanaman selada pada hidroponik sistem NFT berbasis Arduino. Multinetics, 7(1), 12–20. <https://doi.org/10.32722/multinetics.v7i1.3504>
- Wibowo, S., & Asriyanti, A. S. (2013). Aplikasi hidroponik NFT pada budidaya pakcoy (*Brassica rapa chinensis*). Jurnal Penelitian Pertanian Terapan, 13(3), 159–167.
- Resh, H. M. (2022). Hydroponics: Food production: A definitive guidebook for the advanced home gardener and the commercial hydroponic grower (8th ed.). CRC Press.