

DAFTAR PUSTAKA

- Amri, A., Amir, B., & Binalopa, T. (2023). Optimization of environmental conditions for hydroponics using light and temperature sensors based on IoT. *Jurnal Media Elektrik*, 20(1), 45–52.
- Amri, A., & Amir, B. (2025). Optimization of environmental conditions for hydroponics using light and temperature sensors based on IoT. *Media Elektrik: Journal of Technology and Innovation*, 7(2), 57–66.
- Choubchilangroudi, A., & Zarei, A. (2022). Investigation the effectiveness of light reflectors in transmitting sunlight into the vertical farm depth to reduce electricity consumption. *Cleaner Engineering and Technology*, 7, 100421.
- FAO. (2023). *The State of Food and Agriculture*. Rome: Food and Agriculture Organization.
- Furoidah, N., Rahman, Z., & Suryani, H. (2026). Pengaruh derajat keasaman terhadap pertumbuhan selada hidroponik sistem NFT. *Jurnal AGRItrek*, 9(3), 98–107.
- Gardner, F. P., Pearce, R. B., & Mitchell, R. L. (2008). *Fisiologi tanaman budidaya* (Terjemahan Herawati Susilo). Jakarta: UI Press.
- Harsela, C. N. (2021). Sistem hidroponik menggunakan Nutrient Film Technique untuk produksi dan hasil tanaman selada (*Lactuca sativa* L.). *Syntax Literate: Jurnal Ilmiah Indonesia*, 6(9).
- Jones, J. B. (2016). *Hydroponics: A practical guide for the soilless grower* (7th ed.). Boca Raton, FL: CRC Press.
- Kozai, T., Niu, G., & Takagaki, M. (2020). *Plant factory: An indoor vertical farming system for efficient quality food production* (2nd ed.). Academic Press.
- Lactucasativa, H., & Hidroponik, L. S. (2021). ISSN (Print): 1693-0738 ISSN (Online): 2714-5549 Innofarm : Jurnal Inovasi Pertanian Vol . 23 (2), Oktober 2021 Pengaruh Macam Pupuk An Organik Terhadap Hasil Tanaman Selada ISSN (Print): 1693-0738 ISSN (Online): 2714-5549. 23(2), 208–217.
- Lakitan, B. (2018). *Dasar-dasar fisiologi tumbuhan* (Ed. 1, Cet. 14). Depok: Rajawali Pers.

- Linda, J., Qamaria, M. N. S., Hafid, A. F., Samsuddin, H. B., & Rahim, A. (2021). Hidroponik sebagai sarana pemanfaatan lahan kosong di Kantor Lurah Salo, Watang Sawitto, Pinrang. *Jurnal Lepa-Lepa Open*, 1(3), 503–510.
- Marschner, P. (2012). *Marschner's mineral nutrition of higher plants* (3rd ed.). London: Academic Press.
- Murtadho.Daffa Faiz, Murti.Muhammad Ary,dan Setianingsih.Casi.2021. Perancangan Sistem Kendali Terintegrasi Berbasis IoT pada Tanaman Hidroponik dengan Komunikasi NB-IoT Menggunakan Metode Fuzzy. e-Proceeding of Engineering. Vol.8 (4): hal. 3815-3822.Universitas Telkom.
- Nitin Joshi, dkk. (2021). *Nutrient Solution Temperature Affects Growth and °Brix Parameters of Seventeen Lettuce Cultivars Grown in an NFT Hydroponic System*. Horticulturae, 7(9), 321.
- Novia, Y., Rahman, A., & Saputra, I. (2023). Pertumbuhan dan hasil tanaman selada pada berbagai konsentrasi nutrisi AB Mix dengan sistem NFT. *Jurnal AGR*, 11(1), 15–24.
- Pablo Paredes-Arana, dkk. (2025). *Enhancing the Growth, Yield and Physiological Response of Two Lettuce (Lactuca sativa L.) Cultivars through NFT System Optimization*. Frontiers in Plant Science.
- Priono, A., Sukur, M., & Putro, D. S. (2022). Rancang bangun mini smart greenhouse hidroponik tipe rakit apung berbasis IoT. *Jurnal Pengembangan Potensi Laboratorium*, 4(2), 87–95.
- Puspitasari, D. R., Nuraini, A., & Sumadi. (2019). Pertumbuhan dan hasil tanaman selada (*Lactuca sativa* L.). *Jurnal Paspalum*, 7(2), 24–33.
- Putri, I., Tasya, R. A., & Hasan, A. (2024). Enhancing mini greenhouse design: A CFD analysis of temperature, humidity, and wind flow distribution. *Jurnal Teknik Pertanian Lampung*, 13(1), 15–26.
- Resh, H. M. (2022). *Hydroponic food production: A definitive guidebook for the advanced home gardener and the commercial hydroponic grower* (8th ed.). CRC Press.
- Resti, Y., Dewi, R. K., & Rayani, T. F. (2022). Suhu, kelembaban, dan intensitas cahaya pada penanaman green fodder menggunakan sistem smart hidroponik. *Jurnal Sains Terapan*, 12(3), 101–110.

- Samarakoon, U. C., Weerasinghe, P. A., & Weerakkody, W. A. P. (2020). Effects of light intensity on growth and yield of hydroponically grown lettuce. *Journal of Agricultural Sciences*.
- Suryaningsih, D., & Puriyanto, R. D. (2021). Temperature measurement and light intensity monitoring in mini greenhouses for microgreen plants using the Tsukamoto fuzzy logic method. *Buletin Ilmiah Sarjana Teknik Elektro*, 3(2), 85–93.
- Syabarina, A. D., Hidayat, R., & Pribadi, D. U. (2026). The effect of planting media and nutrient flow on the growth of hydroponic lettuce with the NFT system. *Jurnal Teknologi Pertanian*, 14(2), 65–72.
- Syidiq, I. H. A. (2022). Hidroponik untuk meningkatkan ekonomi keluarga. *Journal Science Innovation and Technology (SINTECH)*, 2(2), 16-19.
- Taiz, L., Zeiger, E., Møller, I. M., & Murphy, A. (2018). *Plant Physiology and Development* (7th ed.). Oxford University Press.
- Wahyudi, M. A. (2025). The effect of red-blue LED intensity on the growth and yield of lettuce varieties cultivated using NFT hydroponics. *AgriTech Journal*, 8(4), 130–139.
- Zhang, L., et al. (2022). *Effects of reflective materials on light distribution and crop productivity in protected horticulture*. *Scientia Horticulturae*, 299, 111021.

