

DAFTAR PUSTAKA

- Springer. Adani, M. 2020. *Mengenal Internet of Things, Implementasi, dan Cara Kerjanya*. <https://www.sekawanmedia.co.id/blog/internet-of-things-adalah>. Diakses tanggal 4 Agustus 2022.
- Aini, N., & Azizah, N. 2018. *Teknologi Budidaya Tanaman Sayur Secara Hidroponik*. UB Press. Malang.
- Al-Maskari, S., Li, X., & Qihe, L. 2014. An Effective Approach to Handling Noise and Drift in Electronic Noses. *Databases Theory and Applications* 8506: 223-230.
- Arduino. 2024. *Uno R3*. <https://docs.arduino.cc/hardware/uno-rev3/>. Diakses tanggal 17 Juni 2024.
- Ardutech. 2020. *Mengenal ESP32 Development Kit untuk IoT (Internet of Things)*. <https://www.ardutech.com/mengenal-esp32-development-kit-untuk-iot-internet-of-things/>. Diakses tanggal 4 Agustus 2022.
- Arifin, R. 2016. *Bisnis Hidroponik ala Roni Kebun Sayur*. AgroMedia Pustaka. Jakarta.
- Atlas Scientific. 2021. *Does Temperature Affect Conductivity?*. <https://atlas-scientific.com/blog/does-temperature-affect-conductivity/>. Diakses 10 Oktober 2023.
- Bajaringanvivo. 2022. *Prediksi Pembuatan Greenhouse Baja Ringan Mungil, Hemat di Kantong*. <https://bajaringanvivo.co.id/2022/04/12/prediksi-biaya-pembuatan-greenhouse-baja-ringan-mungil/>. Diakses tanggal 30 September 2023.
- Baras, T. 2018. *DIY Hydroponic Gardens: How to Design and Build an Inexpensive System for Growing Plants in Water*. Quarto Publishing Group. Minneapolis, U.S.A.
- Bluelab. 2020. *Bluelab Pro Controller*. https://bluelab.com/new_zealand/bluelab-pro-controller. Diakses tanggal 30 September 2023.
- BMKG. 2023. *Perubahan Iklim*. <https://www.bmkg.go.id/iklim/?p=ekstrem-perubahaniklim#:~:text=Berdasarkan%20data%20dari%2091%20stasiun,a%20sebesar%207.0%20%C2%B0C>. Diakses tanggal 1 Oktober 2023.
- Boumerdassi, S., Ghogho, M., & Renault, E., 2021. *Smart and Sustainable Agriculture*. Springer. Cham, Switzerland.

- Chia, S., & Lim, M. W. 2022. A Critical Review on the Influence of Humidity for Plant Growth Forecasting. *IOP Conference Series: Materials Science and Engineering*, 1257(1), 1-6. doi:10.1088/1757-899X/1257/1/012001.
- Control Automation. 2024. *Analyzer Sample Systems*. <https://control.com/textbook/continuous-analytical-measurement/analyzer-sample-systems/>. Diakses pada 15 Juli 2024.
- DFRobot. 2023. *Gravity Analog pH Sensor Meter Kit V2*. https://wiki.dfrobot.com/Analog_pH_Meter_Pro_SKU_SEN0169. Diakses pada 9 Oktober 2023.
- DFRobot. 2023. *Gravity: Analog TDS Sensor/ Meter for Arduino*. <https://www.dfrobot.com/product-1662.html>. Diakses pada 17 Juni 2024.
- DFRobot. 2023. *Waterproof DS18B20 Digital Temperature Sensor*. https://wiki.dfrobot.com/Waterproof_DS18B20_Digital_Temperature_Sensor_SKU_DFR0198_. Diakses pada 10 Oktober 2023.
- Dwivedi, A., Naresh, R., Kumar, R., & Yadav, R. 2017. *Precision Agriculture*. Parmar Publisher. Jharkhand.
- Elprocus. 2024. *Arduino UNO R3, Pin Diagram, Specification and Applications*. <https://www.elprocus.com/what-is-arduino-uno-r3-pin-diagram-specification-and-applications/>. Diakses pada 17 Juni 2024.
- Espruino. 2023. *DS18B20 Temperature Sensor*. Retrieved Juni 17, 2024, from [espruino.com: https://www.espruino.com/DS18B20](https://www.espruino.com/DS18B20). Diakses pada 17 Juni 2024.
- Fisher, J. W., Gearhart, J. M., & Lin, Z. 2020. *Physiologically Based Pharmacokinetic (PBPK) Modeling*. Andre Wolff. Chennai, India.
- Ghani, S. (2019). Design Challenges of Agricultural Greenhouses in Hot and Arid Environments – A Review. *Engineering in Agriculture, Environment and Food*, XII(1), 48-70. doi:<https://doi.org/10.1016/j.eaef.2018.09.004>
- Gillespie, D., & Kubota, C. 2020. Effects of Low pH of Hydroponic Nutrient Solution on Plant Growth, Nutrient Uptake, and Root Rot Disease Incidence of Basil (*Ocimum basilicum* L.). *HortScience*, 55(8), 1251-1258.
- Hakiri, A., Pascal, B., Aniruddha, G., & Slim, A. 2015. Enabled Software Defined Networking for Efficient and Scalable IoT Communications. *Communication Magazine*, 53(1), 48-54.
- Hamilton. 2024. *Bioprocess Monitoring and Control (Off-Line, At-Line, On-Line, In-Line / In-Situ)*. <https://www.hamiltoncompany.com/process-analytics/process-analytical-technology/bioprocess-monitoring-and-control>. Diakses pada 15 Juli 2024.
- Harinaldi. 2005. *Prinsip-Prinsip Statistik untuk Teknik dan Sains*. Penerbit Erlangga. Jakarta.

- Hartus, T. 2002. *Berkebun Hidroponik Secara Murah*. Penebar Swadaya. Jakarta.
- Herlyadisti, F., Santosa, & Fiana, R. M. 2023. *Nilai Tambah dan Prospek Pengembangan Usaha pada Produk Olahan Keripik Pisang*. Uwais Inspirasi Indonesia. Kulon Progo.
- Hidroagrow. 2019. *Tipe-Tipe Greenhouse Hidroponik pada Umumnya*. <https://hidroagrow.com/greenhouse-hidroponik/>. Diakses pada 30 September 2023.
- Hosseini, H., Mozavari, V., Roosta, H. R., Shirani, H., Vlasakker, P. C., & M., F. 2021. Nutrient Use in Vertical Farming: Optimal Electrical Conductivity of Nutrient Solution for Growth of Lettuce and Basil in Hydroponic Cultivation. *Horticulturae*, 7(283), 1-14.
- Hussin, N., Yusof, F., Jamaludin, A., & Norrulashikin, S. 2021. Forecasting Wind Speed in Peninsular Malaysia: An Application of ARIMA and ARIMA-GARCH Models. *Pertanika Journal Science and Technology*, 29(1), 31-58.
- Lee, J., Hiyama, M., Hikosaka, S., & Goto, E. 2020. Effects of Concentration and Temperature of Nutrient Solution on Growth and Camptothecin Accumulation. *Plants*, 9(793), 1-14.
- Light, T., Licht, S., Bevilacqua, A., & Morash, K. 2005. The Fundamental Conductivity and Resistivity of Water. *Electrochemical and Solid-State Letters*, 8(1), 16-19.
- Liu, T. 2020. *AM2302 SIP Packaged Temperature and Humidity Sensor*. <http://www.aosong.com/en/products-22.html>. Diakses pada 18 September 2023.
- Mahajan, P. 2008. Effect of Temperature and Humidity on the Transpiration Rate of the Whole Mushrooms. *Journal of Food Engineering*, 84(2), 281-288.
- Marr, B., & Wart, M. 2019. *Artificial Intelligence in Practice*. John Willey and Sons. West Sussex, United Kingdom.
- Mikrajuddin. 2007. *Tantangan dan Prospek Pengembangan Usaha Hidroponik*. Crea IPB. Bogor.
- Narmadi. 2021. *5 Sistem Pemeliharaan Tanaman Hidroponik di Rumah untuk Hasil Memuaskan*. <https://narmadi.com/properti/tanaman-hidroponik-di-rumah/>. Diakses tanggal 18 September 2023.
- Natasya, S., & Awangga, R. 2022. *Membuat Analisis Komparatif Arima dan Prophet pada Peramalan Penjualan*. Penerbit Bukupedia. Bandung.
- Nurunnisha, G. A., Rohmattullah, A., Maulansyah, M. R., & Sinaga, O. 2020. Analysis of Consumer Acceptance Factors Against Fintech at Bandung SMES. *PJAE*, 17(5), 841-855.

- Othaman, N., Isa, M., Hussin, R., Ismail, R., Naziri, S., Murad, S., . . . Ahmad, M. 2021. Development of Soil Electrical Conductivity (EC) Sensing System in Paddy Field. *Journal of Physics: Conference Series*, 1755(1), 1-10. doi:10.1088/1742-6596/1755/1/012005
- Overgrower. 2023. *The Growing Automation Device*. <https://overgrower.ru/en/more/>. Diakses tanggal 1 Oktober 2023.
- Pathak, T., Maskey, M., Dahlberg, J., Kearns, F., Khaled, B., & Daniele, Z. 2018. Climate Change Trends and Impacts on California Agriculture: A Detailed Review. *Agronomy*, VIII(1), 25.
- Phionics. 2021. *How Temperature Affects pH Measurements*. <https://www.phionics.com/2021/09/07/how-temperature-affects-ph-measurements/>. Diakses tanggal 10 Oktober 2023.
- Ponce, P., Molina, A., Cepeda, P., & Lugo, E. 2015. *Greenhouse Design and Control*. CRC Press. London, United Kingdom.
- Prado, R. D. 2021. *Mineral nutrition of tropical plants*. Springer Nature Switzerland AG. Cham, Switzerland.
- Prasad, G. 2015. *Power Management Circuits*. MAHE. Manipal, India.
- Prasetyo, E. 2019. *Arsitektur dan Fitur ESP32 (Module ESP32) IoT*. <https://www.edukasielektronika.com/2019/07/arsitektur-dan-fitur-esp32-module-esp32.html>. Diakses tanggal 4 Agustus 2023.
- Prastyo, E. A. 2019. *Perbedaan dan Persamaan Arduino UNO vs Genuino UNO*. <https://www.edukasielektronika.com/2019/03/perbedaan-dan-persamaan-arduino-uno-vs.html>. Diakses tanggal 17 Juni 2024.
- Purwanti, A. 2023. *Akuntansi Manajemen*. Penerbit Salemba Empat. Jakarta.
- Rahmat, P. 2015. *Bertanam Hidroponik Gak Pake Masalah*. Agromedia Pustaka. Jakarta.
- Rezeki, Y., Harjunowibowo, D., Budiawanti, S., Jamaluddin, A., Rahmasari, R., Rahardjo, D., . . . Nugroho, P. 2023. *Dasar-Dasar Otomatisasi Berbasis Arduino*. Penerbit Lakeisha. Klaten.
- Risa. 2019. *Peran Penting Sensor dalam Sistem Internet of Things*. <https://risa.dosen.ittelkom-pwt.ac.id/>. Diakses pada 4 Agustus 2022.
- Sarjana, K., Hayati, L., & Wahidaturrahmi. 2020. Mathematical Modelling and Verbal Abilities: How They Determine Students' Abilities to Solve Mathematical Word Problems? *Jurnal Tadris Matematika*, 13(2), 117-129. doi:10.20414/betajtm.v13i2.390
- Schellenberg, R. 2002. *The Trouble with Humidity: The Hidden Challenge of RH Calibration*. <https://www.vaisala.com/sites/default/files/documents/lsh-Trouble-with-Humidity.pdf>. Diakses tanggal 24 Juni 2024.

- Septiati, Y. A., & Karmini, M. 2023. *Bioplastik Berbasis Pati Kulit Singkong: Karakteristik dan Kemampuan Melindungi Makanan*. Penerbit NEM. Pekalongan.
- Sharma, A. K. 2024. *Arduino Programming Handbook: Your Comprehensive Guide for Mastering Arduino*. Anirudh Kumar. India.
- Sharma, J. K. 2022. *Business Statistics.*: Vikas Publishing House Private Limited. Noida, India.
- Sharma, N., Acharya, S., Kumar, K., Singh, N., & Chaurasia, O. P. 2018. Hydroponic as An Advanced Technique for Vegetable Production: An Overview. *Journal of Science and Water Conservation*, 17(4), 364-371.
- Simarmata, J., Muttaqin, Karim, A., Rismayani, & Anggriawan, R. 2022. *Dasar-Dasar Teknologi Internet of Things (IOT)*. Yayasan Kita Menulis. Medan.
- Simonkori. 2021. *Simonkori Device*. <https://simonkori.com/simonkori-device/>. Diakses tanggal 11 Oktober 2023.
- Spentukov, I. 2024. *Forecasting and Analytic with the Augmented Dynamic Adaptive Model (ADAM)*. CRC Press. Boca Raton, USA.
- Sumardjo, D. 2009. *Pengantar Kimia: Buku Panduan Kuliah Mahasiswa Kedokteran dan Program Strata I Fakultas Bioeksakta*. Penerbit Buku Kedokteran EGC. Jakarta.
- Suryani, R. 2015. *Hidroponik Budidaya Tanaman Tanpa Tanah*. Arcitra. Solo.
- Susanti, A., & Arrokhman, R. Y.(2023. *Proses Budidaya dan Penanganan Pasca Panen Sawi Pakcoy Pada Sistem Hidroponik*. Lembaga Penelitian dan Pengabdian Masyarakat (LPPM) Universitas KH. A. Wahab Hasbullah. Jombang.
- Syarief, E., Duryatmo, S., Angkasa, S., Apriyanti, R., Raharjo, A., Rizkika, K., . . . Awaluddin, M. 2014. *Hidroponik Praktis*. Trubus Swadaya. Jakarta.
- Tanaka, K., Nishigaki, M., Sode, M., & Mizuno, T. 2018. Low Delay Data Gathering Method for Rice Cultivation Management System: IoT Specialized Outdoor Communication Procedure. *International Conference on Information and Computer Technologies (ICICT)*, 139-143.
- Thakulla, D., Dunn, B., Hu, B., Goad, C., & Maness, N. 2021. Nutrient Solution Temperature Affects Growth and °Brix Parameters of Seventeen Lettuce Cultivars Grown in an NFT Hydroponic System. *Horticulture*, 7(9), 321.
- Tintondp. 2015. *Hidroponik Wick System Cara Paling Praktis Pasti Panen*. Agromedia Pustaka. Jakarta.
- Tiwari, G. 2003. *Greenhouse Technology for Controlled Environment*. Alpha Science. Oxford, United Kingdom.

Yudhana, A., Ramdani, M., & Subrata, A. H. 2018. *Otomasi dan Instrumentasi untuk Proyek Smart Farming dan Smart Glove*. CV Mine. Yogyakarta.

Zabeltitz, v. 2011. *Integrated Greenhouse Systems for Mild Climates*. New York, United States.