

DAFTAR PUSTAKA

- [1] S. Swastika, A. Yulfida, and Y. Sumitro, *Budidaya Sayuran Hidroponik*. Riau: Balai Pengkajian Teknologi Pertanian (BPTP), 2017.
- [2] M. Yustiningsih, Y. G Naisumu, and A. Berek, "Deep Flow Technique (DFT) Hidroponik Menggunakan Media Nutrisi Limbah Cair Tahu dan Kayu Apu (*Pistia Stratiotes* L) Untuk Peningkatan Produktivitas Tanaman," *Mangifera Edu*, vol. 3, no. 2, pp. 110–121, 2019, doi: 10.31943/mangiferaedu.v4i1.532.
- [3] Susilawati, *Dasar – Dasar Bertanam Secara Hidroponik*. Palembang: Universitas Sriwijaya, 2019.
- [4] N. Sharma, S. Acharya, K. Kumar, N. Singh, and O. P. Chaurasia, "Hydroponics as an advanced technique for vegetable production: An overview," *J. Soil Water Conserv.*, vol. 17, no. 4, pp. 364–371, 2018, doi: 10.5958/2455-7145.2018.00056.5.
- [5] A. D. Purwanto, F. Supegina, and T. M. Kadarina, "Sistem Kontrol Dan Monitor Suplai Nutrisi Hidroponik Sistem Deep Flow Technique (DFT) Berbasis Arduino NodeMCU Dan Aplikasi Android," *J. Teknol. Elektro*, vol. 10, no. 3, p. 152, 2020, doi: 10.22441/jte.v10i3.002.
- [6] S. M. Julyana, R. M. Suhendar, and Janizal, "Sistem Pengendalian Nutrisi pada Tanaman Kangkung Hidroponik Menggunakan Mikrokontroler Arduino Mega 2560," *Elektra*, vol. 3, no. 2, pp. 69–72, 2018.
- [7] H. T. HLAING, "Accurate Position Control for DC Servo Motor using PID Controller," *Int. J. Sci. Eng. Technol. Res.*, vol. 07, no. 09, pp. 1711–1715, 2018.
- [8] K. P. Kuria, O. O. Robinson, and M. M. Gabriel, "Monitoring Temperature and Humidity using Arduino Nano and Module-DHT11 Sensor with Real Time DS3231 Data Logger and LCD Display," *Int. J. Eng. Res. Technol.*, vol. 9, no. December, pp. 416–422, 2020.
- [9] J. Santoso, H. Suhardjono, and A. Wattimury, "Kajian Nilai Curs Spektrum Warna Terhadap Warna Cahaya Matahari dan Cahaya Buatan untuk Pertumbuhan Tanaman The Study of Color Spectrum Curs Value Against Sunlight Color and Artificial Light for Plant Growth Pendahuluan Sistem budidaya tanaman konvensional," *Semin. Nas. Magister Agroteknologi FP-UPNVJ*, vol. 2020, pp. 11–22, 2020, doi: 10.11594/.
- [10] I. S. Nasution, "Non-destructive measurement for estimating leaf area of *Bellis perennis*," *Rona Tek. Pertan.*, vol. 10, no. 1, pp. 58–64, 2017, doi: 10.17969/rtp.v10i1.7456.
- [11] N. Adin and H. H. Nuha, "Automatic Drain System in Seawater Aquarium with Fuzzy Logic Method," *J. Media Inform. Budidarma*, vol. 4, no. 3, pp. 753–760, 2020, doi: 10.30865/mib.v4i3.2209.
- [12] M. Dwika, N. Setiyawati, H. H. Nuha, and R. Yasirandi, "A Prototype for Securing Suitcase Travel using RFID and GPS Tracker," *J. Media Inform. Budidarma*, vol. 4, no. 4, pp. 986–993, 2020, doi: 10.30865/mib.v4i4.2358.
- [13] V. F. Goszal, H. H. Nuha, and M. Abdurrohman, "Manufacturing a Plotter Printer with Computer Numerical Control Based Pen Ink Using CoreXY Mechanisms," *J. Media Inform. Budidarma*, vol. 5, no. 2, pp. 370–377, 2021, doi: 10.30865/mib.v5i2.2783.
- [14] T. N. Wulandari Siagian, H. H. Nuha, and R. Yasirandi, "Footstep Recognition Using Mel Frequency Cepstral Coefficients and Artificial Neural Network," *J. RESTI (Rekayasa Sist. dan Teknol. Informasi)*, vol. 4, no. 3, pp. 497–503, 2020, doi: 10.29207/resti.v4i3.1964.
- [15] P. Sihombing, N. A. Karina, J. T. Tarigan, and M. I. Syarif, "Automated hydroponics nutrition plants systems using arduino uno microcontroller based on android," *J. Phys. Conf. Ser.*, vol. 978, no. 1, 2018, doi: 10.1088/1742-6596/978/1/012014.
- [16] K. Kularbphettong, U. Ampant, and N. Kongrojdj, "An Automated Hydroponics System Based on Mobile Application," *Int. J. Inf. Educ. Technol.*, vol. 9, no. 8, pp. 548–552, 2019, doi: 10.18178/ijiet.2019.9.8.1264.
- [17] A. Dudwadkar, T. Das, S. Suryawanshi, R. Dolas, and T. Kothawade, "Automated Hydroponics with Remote Monitoring and Control using IoT," *Int. J. Eng. Res.*, vol. 9, no. 6, pp. 928–932, 2020, doi: 10.17577/ijertv9is060677.
- [18] A. L. J. Rico, "Automated pH Monitoring and Controlling System for Hydroponics under Greenhouse Condition," *ARNP J. Eng. Appl. Sci.*, vol. 15, no. 2, pp. 523–528, 2020, doi: 10.36478/JEASCI.2020.523.528.