

## DAFTAR PUSTAKA

- [1] A. Yanuar, H. Putra, and W. S. Pambudi, “Tanaman Bayam Pada Hidroponik Nft ( Nutrient Film Technique ),” vol. 2, no. 4.
- [2] N. Al Karina, “Perancangan Sistem Alir Larutan Nutrisi Otomatis Pada Tanaman Hidroponik Dengan Mikrokontroler Arduino Uno Berbasis Android,” *Univ. Sumatera Utara*, 2017.
- [3] T. E. Tallei and I. F. M. R. A. A. Adam, *Hidroponik untuk Pemula*, no. January. 2018.
- [4] I. Syamsu Roidah Fakultas Pertanian Ida, “Pemanfaatan Lahan Dengan Menggunakan Sistem Hidroponik,” *J. Univ. Tulungagung BONOROWO Tahun*, vol. 1, no. 2, pp. 43–50, 2014.
- [5] Y. Sastro and N. A. Rokhmah, “Hidroponik Sayuran di Perkotaan,” *Pertan. Perkota.*, pp. 1–28, 2016.
- [6] V. Sutojo, T; Mulyanto, Edi; Suhartono, “Kecerdasan Buatan,” pp. 211–235, 2011.
- [7] F. Dernoncourt, “Introduction to fuzzy logic systems,” *Adv. Textb. Control Signal Process.*, no. 9781852339845, pp. 313–324, 2005.
- [8] A. Saelan, “Logika Fuzzy,” *Strukt. Disk.*, vol. 1, no. 13508029, pp. 1–5, 2009.
- [9] Automationid, “Mamdani: Metode Inferensi Fuzzy Terpopuler,” 2016. [Online]. Available: <http://www.automationid.com/2016/mamdani-metode-inferensi-fuzzy-terpopuler.html>. [Accessed: 05-Oct-2019].
- [10] I. K. Putri, “Aplikasi Metode Fuzzy Min-Max (Mamdani) Dalam Menentukan Jumlah Produksi Perusahaan,” *UIN Alauddin Makassar*, 2017.
- [11] T. Iot, “introduction\_to\_IoT\_november,” no. November, pp. 1–6, 2013.
- [12] GSMA, “LTE-M Deployment Guide to Basic Feature Set Requirements,” no. April, pp. 0–26, 2017.
- [13] J. Chen, K. Hu, Q. Wang, Y. Sun, Z. Shi, and S. He, “Narrowband

- Internet of Things: Implementations and Applications,” *IEEE Internet Things J.*, vol. 4, no. 6, pp. 2309–2314, 2017.
- [14] M. Chen, Y. Miao, Y. Hao, and K. Hwang, “Narrow Band Internet of Things,” *IEEE Access*, vol. 5, no. October, pp. 20557–20577, 2017.
  - [15] A. Cucus, R. Endra, and M. F, “Fuzzy Mamdani Implementation for Hydroponic Water Content Automation,” no. 26, 2019.
  - [16] D. Pancawati and A. Yulianto, “Implementasi Fuzzy Logic Controller untuk Mengatur Ph Nutrisi pada Sistem Hidroponik Nutrient Film Technique (NFT),” *J. Nas. Tek. Elektro*, vol. 5, no. 2, p. 278, 2016.
  - [17] D. Yolanda, H. Hindersah, F. Hadiatna, and M. A. Triawan, “Implementation of real-time fuzzy logic control for NFT-based hydroponic system on Internet of Things environment,” *Proc. 2016 6th Int. Conf. Syst. Eng. Technol. ICSET 2016*, pp. 153–159, 2017.
  - [18] D. F. Komala, “OTOMATISASI PENGENDALIAN PENCAHAYAAN UNTUK TANAMAN SELADA (*Lactuca sativa L.*) DENGAN SISTEM TANAM HIDROPONIK DI DALAM GREENHOUSE,” 2017.
  - [19] R. A. Atmoko, R. Riantini, and M. K. Hasin, “IoT real time data acquisition using MQTT protocol,” *J. Phys. Conf. Ser.*, vol. 853, no. 1, 2017.
  - [20] RobotDyn, “Mega 2560 PRO MINI, ATmega2560.” [Online]. Available: <https://robotdyn.com/mega-2560-pro-embed-ch340g-atmega2560-16au.html>. [Accessed: 12-Nov-2019].
  - [21] DFROBOT, “PH meter SKU SEN0161.” [Online]. Available: [https://wiki.dfrobot.com/PH\\_meter\\_SKU\\_SEN0161\\_](https://wiki.dfrobot.com/PH_meter_SKU_SEN0161_).
  - [22] Simtech, “SIM 7000E Hardware Design.”
  - [23] DFROBOT, “Gravity: Analog Electrical Conductivity Sensor.” [Online]. Available: [https://wiki.dfrobot.com/Gravity\\_\\_Analog\\_Electrical\\_Conductivity\\_Sensor\\_\\_Meter\\_V2\\_\\_K%3D1\\_SKU\\_DFR0300](https://wiki.dfrobot.com/Gravity__Analog_Electrical_Conductivity_Sensor__Meter_V2__K%3D1_SKU_DFR0300). [Accessed: 26-Nov-2019].

- [24] URBAN HIDROPONIK, “Table pH, EC, PPM Tanaman Hidroponik.” [Online]. Available: <https://www.urbanhidropnik.com/2016/04/table-ph-ec-ppm-tanaman-hidropnik-lengkap.html>. [Accessed: 04-Jun-2020].
- [25] D. M. NUTRIENTS, “EC to PPM Conversion Chart.” [Online]. Available: <https://dutchmasternutrients.com/growers-guide/ppm-vs-ec/>. [Accessed: 12-Mar-2021].
- [26] A. F. Rusydi, “Correlation between conductivity and total dissolved solid in various type of water: A review,” *IOP Conf. Ser. Earth Environ. Sci.*, vol. 118, no. 1, 2018.