

DAFTAR PUSTAKA

- [1] S. Fanis, *Padi*, vol. 54. 2013.
- [2] K. Subagyo, A. Dariah, E. Surmaini, and U. Kurnia, *Pengelolaan air pada tanah sawah*. Jakarta: Litbang Pertanian, 2004.
- [3] Soeharto, *PP23/1982 tentang Irigasi*, vol. 1982. Jakarta: Menteri/Sekretaris negara RI, 1982, pp. 1–21.
- [4] A. Nif'an, "Purwarupa Kendali Kanal Irigasi Sawah Terjadwal Berbasis Mikrokontroler ATMEGA328," *Univ. PGRI Yogyakarta*, 2016.
- [5] N. S. Edwin JS Situmorang, "Rancang Bangun Sistem Irigasi Persawahan Menggunakan Mikrokontroler Atmega 8535 Dengan Indikator Ketinggian Air berbasis SMS," Politeknik Negeri Medan, Medan, 2014.
- [6] R. Pradana and R. Irawati, "Metode Fuzzy Logic Dalam Konsep Irigasi Air Dengan Mikrokontroler Arduino," *J. Telemat. MKOM*, vol. 8, no. 2, pp. 107–113, 2016.
- [7] M. S. Dzulkifli and M. Rivai, "Rancang Bangun Sistem Irigasi Tanaman Otomatis Menggunakan Wireless Sensor Network," *Tek. ITS*, vol. 5, no. 2, pp. 261–266, 2016.
- [8] R. Romero, J. L. Muriel, I. García, and D. Muñoz de la Peña, "Research on Automatic Irrigation Control: State of The Art and Recent Results," *Agric. Water Manag.*, vol. 114, pp. 59–66, 2012.
- [9] S. Kusumadewi, *Artificial Intelligence (Teknik dan Aplikasinya)*. Graha Ilmu, 2003.
- [10] Suyanto, *Artificial intelligence : sarching , reasoning , planning dan learning / Suyanto*. Bandung: Informatika, 2011.
- [11] F. Khodadadi, A. V Dastjerdi, and R. Buyya, *Internet Of Things : Elsevier Inc.*
- [12] Wiranto, B. I. Setiawan, and S. K. Saptomo, "sistem kontrol irigasi otomatis nirkabel," *J. Irig.*, vol. 9, no. 2, pp. 108–114, 2014.
- [13] M. S. M. Diningrat, "Sistem Irigasi Sawah Berbasis Wireless Arduino," STMIK AMIKOM YOGYAKARTA, 2015.

- [14] M. Salman, I. Chaer, S. H. Abdullah, A. Priyati, and U. Mataram, "Aplikasi Mikrokontroler Arduino Pada Sistem Irigasi Tetes Untuk Tanaman Sawi (Brassica juncea)," *J. Ilm. Rekayasa Pertan. dan Biosist.*, vol. 4, no. 2, pp. 228–238, 2016.
- [15] U. S. Jimmi Martin, Erwin susanto, "Kendali PH dan Kelembaban Tanah Berbasis Logika Fuzzy Menggunakan Mikrokontroller," Universitas Telkom, 2017.
- [16] S. A. Fitriansyah, "Pemantauan Dan Pengendalian Kelembaban, Suhu Dan Intensitas Cahaya Tanaman Tomat Dengan Metode Fuzzy Logic Berbasis IoT," POLiteknik Negeri Batam, 2017.
- [17] R. A. Kiki Amelia, Dodon Yendri, "Perancangan Sistem Monitoring Suhu, Kelembaban Dan Titik Embun Udara Secara Realtime Menggunakan Mkrontroler Arduino Dengan Logika Fuzzy Yang Dapat Diakses Melalui Internet," Universitas Andalas, 2014.
- [18] W. Wedashwara, "Purwarupa Sistem Monitoring Tanaman berbasis Web menggunakan Wireless Sensor Network dan Evolutionary Fuzzy Rule Mining," in *Konferensi Nasional Sistem & Informatika*, 2017.
- [19] T. M. Pfc, E. Star, E. Lot, and D. Id, "AN4026 Application note," no. July 2012, 2012, pp. 1–40.
- [20] Texas Instrument, "LM2596 Simple Switcher ® Power Converter 150-kHz 3-A Step-Down Voltage Regulator," no. 1, Texas Instrument, 2016.
- [21] H. Santoso, *Panduan Praktis Arduino Untuk Pemula*. www.elangsakti.com, 2016.
- [22] A. O. Rockery, "Revision, Arduino U N O," in *Revision, Arduino U N O*, 2014.
- [23] T. Liu, "Aosong Electronics Co - DHT22," vol. 22, pp. 1–10, 2015.
- [24] Aosong, *Temperature and Humidity Module*, vol. 1. 2015.
- [25] E. Freaks, *HC-SR04 User Guide*. 2011.
- [26] E. Freaks, "HC-SR04 User Guide," *Elec Freaks*, pp. 1–6, 2011.
- [27] Maxim Integrated, "DS 3231 RTC General Description," in *Data Sheet*, 2015, p. 20.

- [28] L. Ada, “Adafruit DS3231 Precision RTC Breakout Arduino Usage Download RTCLib First RTC Test,” 2018.
- [29] H. Technology, “User Manual V1.2 ESP8266 NodeMCU WiFi Devkit,” in *Hanson Technology*, 2017, pp. 1–22.
- [30] L. SHENZHEN EONE ELECTRONICS CO., “Specification For LCD Module 2004A,” 2017, pp. 1–16.
- [31] Towe Pro, “Data Sheet MG996R *High* Torque Metal Gear Dual Ball Bearing Servo,” in *Electronic Caldas*, no. 6 V, 2015, pp. 1–10.
- [32] R. Isman and A. A. , Djiwo Harsono, “Rancang bangun robot tank pada sistem deteksi dan pencarian sumber radiasi,” in *Prosiding Pertemuan dan Presentasi Ilmiah*, 2016, pp. 216–222.
- [33] J. Grafika and N. Yogyakarta, “Perancangan Context-Aware Smart Home Dengan Menggunakan Internet of Things,” in *Seminar Nasional Teknologi Informasi dan Komunikasi 2016 (SENTIKA 2016)*, 2016, vol. 2016, no. Sentika, pp. 455–459.
- [34] E. Oriwoh and M. Conrad, “‘Things’ in the Internet of Things: Towards a Definition,” *Int. J. Internet Things*, vol. 4, no. 1, pp. 1–5, 2015.
- [35] T. Budioko, “Sistem monitoring suhu jarak jauh berbasis internet of things menggunakan protokol mqtt,” *Semin. Nas. Ris. Teknol. Inf.*, pp. 353–358, 2016.
- [36] B. S. Ullas, S. Anush, J. Roopa, and G. R. M, “Machine to Machine Communication for Smart Systems using MQTT,” *Int. J. Adv. Res. Electr. Electron. Instrum. Eng.*, vol. 3, no. 3, pp. 8242–8248, 2014.
- [37] E. M. dan V. S. T. Sutojo, *Kecerdasan Buatan*. penerbit andi, 2011.
- [38] E. Haerani, “Analisa Kendali Logika Fuzzy Dengan Metode Defuzzifikasi COA (Center of Area), Bisektor , MOM (mean of Maximum), LOM (Largest of Maximum), DAN SOM (Smallest of Maximum),” *J. Sains dan Teknol. Ind.*, 2015.