DAFTAR PUSTAKA

[1] R. P. Defa, M. Ramdhani, R. A. Priramadhi, and B. S. Aprillia, "Automatic controlling system and IoT based monitoring for pH rate on the aquaponics system," *J Phys Conf Ser*, vol. 1367, no. 1, 2019, doi: 10.1088/1742-6596/1367/1/012072.

[2] A. Widodo, Nurhayati, and N. Kholis, "SISTEM MONITORING KUALITAS AIR PADA SISTEM AKUAPONIK BERBASIS IOT Risma Alfia Arif Widodo , Nurhayati , Nur Kholis," 2020.

[3] M. Airlangga, A. Qurthobi, and A. Suhendi, "SISTEM KONTROL NUTRISI PADA SAYURAN SAWI HIJAU DENGAN METODE AKUAPONIK DEEP FLOW TECHNIQUE BERBASIS LOGIKA FUZZY NUTRITION CONTROL SYSTEM ON MUSTARD GREENS VEGETABLES USING".

[4] A. Rahayuningtyas and D. Sagita, "Sistem Deteksi dan Pemantauan Kualitas Air pada Akuaponik Berbasis Android (The Detection and Monitoring System of Water Quality in The Aquaponic Based on Android) THE DETECTION AND MONITORING SYSTEM OF WATER QUALITY IN THE Pusat Penelitian Teknologi Te," no. July, 2021, doi: 10.26578/jrti.v15i1.6829.

[5] H. Nishiyama, A. Nagata, Y. Matsuo, and R. Matsuo, *Light avoidance by a non-ocular photosensing system in the terrestrial slug Limax valentianus*, vol. 222, no. 14. 2019. doi: 10.1242/jeb.208595.

[6] W. D. Rusanti, R. Siskayanti, M. Alfajar, T. Kimia, F. Teknik, and U. M. Jakarta, "Pengaruh Jenis dan Jumlah Pakan Ikan terhadap Pertumbuhan Tanaman Aquaponik," *Seminar Nasional Penelitian LPPM UMJ*, vol. 111, pp. 1–6, 2020.

[7] S. Goddek, B. Delaide, U. Mankasingh, K. V. Ragnarsdottir, H. Jijakli, and R. Thorarinsdottir, "Challenges of sustainable and commercial aquaponics," *Sustainability (Switzerland)*, vol. 7, no. 4, pp. 4199–4224, 2015, doi: 10.3390/su7044199.

[8] Y. Rahmanto, A. Burlian, and S. Samsugi, “Sistem Kendali Otomatis Pada Akuaponik Berbasis Mikrokontroler Arduino Uno R3,” *Jurnal Teknologi dan Sistem Tertanam*, vol. 2, no. 1, pp. 1–6, 2021.

[9] A. N. Ardha, S. Bin, and A. Omar, “KOMPOSISI JENIS NUTRISI DAN TEKNIK IRIGASI AKUAPONIK TERHADAP PERTUMBUHAN DAN PRODUKSI TANAMAN SELADA (Lactuca sativa) DAN IKAN NILA (Oreochromis niloticus) The Nutrition Type Composition and Aquaponic Irrigation Technique on Growth and Production of ,” vol. 18, no. 3, pp. 282–290, 2018.

[10] A. Mustikasari, P. Marwoto, and R. S. Iswari, “The physical growth of Oreochromis niloticus and three plant species on the aquaponic technology,” in *Journal of Physics: Conference Series*, Apr. 2018, vol. 983, no. 1. doi: 10.1088/1742-6596/983/1/012008.

[11] Y. Wei, W. Li, D. An, D. Li, Y. Jiao, and Q. Wei, “Equipment and Intelligent Control System in Aquaponics: A Review,” *IEEE Access*, vol. 7, pp. 169306–169326, 2019, doi: 10.1109/ACCESS.2019.2953491.

[12] Y. H. Putra, D. Triyanto, and Suhardi, “Sistem Pemantauan dan Pengendalian Nutrisi, Suhu, dan Tinggi Air Pada Pertanian Hidroponik,” *Jurnal Sistem Komputer Universitas Tanjungpura*, vol. 06, no. 03, pp. 128–138, 2018.

[13] Susilawati, *Dasar – Dasar Bertanam Secara Hidroponik*. 2019.

[14] S. Suseno and N. Widyawati, “Pengaruh Nilai EC Berbagai Pupuk Cair Majemuk Terhadap Pertumbuhan Vegetatif Kangkung Darat Pada Soilless Culture,” *Agrosains : Jurnal Penelitian Agronomi*, vol. 22, no. 1, p. 12, Apr. 2020, doi: 10.20961/agsjpa.v22i1.32510.

[15] --Laela Endah Rahmadhani *et al.*, “KUALITAS MUTU SAYUR KASEPAK (KANGKUNG, SELADA, DAN PAKCOY) DENGAN SISTEM BUDIDAYA AKUAPONIK DAN HIDROPONIK Quality of Kasepak Vegetables (Water Spinach, Lettuce and Bok Choi) using Aquaponic and Hydroponic System,” 2020.

[16] “Does Temperature Affect pH? - Techiescientist.” https://techiescientist.com/does-temperature-affect-ph/ (accessed Sep. 03, 2022).

[17] “How Does Temperature Affect pH? Westlab.” https://www.westlab.com/blog/2017/11/15/how-does-temperature-affect-ph (accessed Sep. 03, 2022).

[18] D. L. Rahakbauw, “PENERAPAN LOGIKA FUZZY METODE SUGENO UNTUK MENENTUKAN JUMLAH PRODUKSI ROTI BERDASARKAN DATA PERSEDIAAN DAN JUMLAH PERMINTAAN (STUDI KASUS: PABRIK ROTI SARINDA AMBON),” 2015.

[19] “Prinsip Kerja pH Meter | | Artikel Teknologi Indonesia.” https://artikel-teknologi.com/prinsip-kerja-ph-meter/ (accessed Sep. 08, 2022).

[20] “PH_meter_SKU__SEN0161_-DFRobot.” https://wiki.dfrobot.com/PH_meter_SKU__SEN0161_ (accessed Sep. 03, 2022).

[21] “Gravity__Analog_Electrical_Conductivity_Sensor___Meter_V2__K=1_ _SKU_DFR0300-DFRobot.” https://wiki.dfrobot.com/Gravity__Analog_Electrical_Conductivity_Sensor___Meter_V2__K=1__SKU_DFR0300 (accessed Sep. 03, 2022).

[22] “Prinsip Kerja Conductivity Meter | | Artikel Teknologi Indonesia.” https://artikel-teknologi.com/prinsip-kerja-conductivity-meter/ (accessed Sep. 09, 2022).

[23] “Sensor Suhu : Pengertian, Cara Kerja, Fungsi dan Jenis-Jenisnya.” https://kamuharustahu.com/pengertian-sensor-suhu/ (accessed Sep. 09, 2022).

[24] “Sensor Suhu DS18B20 - Edukasi Elektronika | Electronics Engineering Solution and Education.” https://www.edukasielektronika.com/2020/09/sensor-suhu-ds18b20.html (accessed Sep. 03, 2022).

[25] C. Kerja, D. A. N. Manfaat, and A. Kurniawan, “SEJARAH , CARA KERJA DAN MANFAAT INTERNET OF THINGS,” pp. 36–41, 2009.

[26] C. Zhu, V. C. M. Leung, L. Shu, and E. C. H. Ngai, “Green Internet of Things for Smart World,” *IEEE Access*, vol. 3, pp. 2151–2162, 2015, doi: 10.1109/ACCESS.2015.2497312.

[27] N. Tilapia and U. Arduino, “JITE (Journal of Informatics and Telecommunication Engineering) Automation of Aquaponic Choy Sum and Nile Tilapia Using Arduino,” vol. 4, no. January, 2021.

[28] A. N. Sitasari and A. Khoironi, “Evaluasi Efektivitas Metode dan Media Filtrasi pada Pengolahan Air Limbah Tahu,” *Jurnal Ilmu Lingkungan*, vol. 19, no. 3, pp. 565–575, Nov. 2021, doi: 10.14710/jil.19.3.565-575.

[29] “Menjaga Stabilitas pH Air Tambak | Kabar Udang | Jala.” https://app.jala.tech/kabar_udang/menjaga-stabilitas-ph-air-tambak (accessed Sep. 05, 2022).