DAFTAR PUSTAKA

[1] T.-C. Chia and C.-L. Lu, "Design and Implementation of the Microcontroller Control System for Vertical-Garden Applications," in *2011 Fifth International Conference on Genetic and Evolutionary Computing*, 2011, pp. 139–141. doi: 10.1109/ICGEC.2011.41.

[2] K. Kularbphettong, U. Ampant, and N. Kongrodj, "An Automated Hydroponics System Based on Mobile Application," *Int. J. Inf. Educ. Technol.*, vol. 9, pp. 548–552, 2019, doi: 10.18178/ijiet.2019.9.8.1264.

[3] M. I. H. bin Ismail and N. M. Thamrin, "IoT implementation for indoor vertical farming watering system," in *2017 International Conference on Electrical, Electronics and System Engineering (ICEESE)*, 2017, pp. 89–94. doi: 10.1109/ICEESE.2017.8298388.

[4] C. J. G. Aliac and E. Maravillas, "IOT Hydroponics Management System," in *2018 IEEE 10th International Conference on Humanoid, Nanotechnology, Information Technology,Communication and Control, Environment and Management (HNICEM)*, 2018, pp. 1–5. doi: 10.1109/HNICEM.2018.8666372.

[5] A. Mokhtar *et al.*, "Using Machine Learning Models to Predict Hydroponically Grown Lettuce Yield," *Front. Plant Sci.*, vol. 13, 2022, doi: 10.3389/fpls.2022.706042.

[6] B. Herdiana and M. H. Barkatulah, "System Smart Urban Gardenin Based on Internet of Things," *Telekontran J. Ilm. Telekomun. Kendali dan Elektron. Terap.*, vol. 6, no. 2, pp. 12–22, 2018, doi: 10.34010/telekontran.v6i2.3796.

[7] A. Abu Sneineh and A. A. A. Shabaneh, "Design of a smart hydroponics monitoring system using an ESP32 microcontroller and the Internet of Things," *MethodsX*, vol. 11, p. 102401, 2023, doi: https://doi.org/10.1016/j.mex.2023.102401.

[8] N. Sharma, S. Acharya, K. Kumar, N. Singh, and O. Chaurasia, "Hydroponics as an advanced technique for vegetable production: An overview," *J. Soil Water Conserv.*, vol. 17, pp. 364–371, Oct. 2019, doi: 10.5958/2455-7145.2018.00056.5.

[9] E. T. Nerantzis, T. K. Koliopoulos, and S. K. Sharma, "Urban Vertical Hydroponics," *Emerg. Environ. Technol. Heal. Prot.*, no. 1, pp. 13–18, 2018.

[10] C. Liferdi, L. And Saparinto, *Vertikultur Tanaman Sayur*, 1 st. Jakarta: Penebar Swadaya Grup, 2016. [Online]. Available:

https://books.google.co.id/books?id=zPjICwAAQBAJ&lpg=PP1&pg=PP1#v=onepage&q&f=false

[11]   N. Furoidah, "Efektivitas penggunaan ab mix terhadap pertumbuhan beberapa varietas sawi (Brassica sp.)," *Pros. Semin. Nas. UNS*, vol. 2, no. 1, pp. 239–246, 2018.

[12]   A. Imran and M. Rasul, "Pengembangan Tempat Sampah Pintar Menggunakan Esp32," *J. Media Elektr.*, vol. 17, no. 2, pp. 2721–9100, 2020, [Online]. Available: https://ojs.unm.ac.id/mediaelektrik/article/view/14193

[13]   B. Saragih and C. Bancin, "PERANCANGAN PENGUKUR JARAK SECARA WIRELESS MENGGUNAKAN SENSOR GELOMBANG ULTRASONIK BERBASIS ARDUINO UNO ATmega 328 DENGAN TAMPILAN DI LAPTOP," *J. Teknol. Energi Uda*, vol. 9, no. 2, pp. 74–80, 2020, [Online]. Available: https://www.microchip.com/wwwproducts/en/ATmega328p

[14]   D. Gustaman, "Pengaruh Nutrisi AB Mix terhadap Pertumbuhan Tanaman Sawi Pakcoy (Brassica Rapa L) dalam Sistem Hidroponik," *Fak. Pertan.*, vol. 1, no. 1, pp. 30–35, 2022.

[15]   F. Rahmah, F. Hidayanti, and M. Innah, "Penerapan Smart Sensor untuk Kendali pH dan Level Larutan Nutrisi pada Sistem Hidroponik Tanaman Pakcoy," *J. Teknol. Inf. dan Ilmu Komput.*, vol. 6, no. 5, pp. 527–534, 2019, doi: 10.25126/jtiik.2019651738.

[16]   A. Velasco, "Comparing Microcontrollers: What Brain Should I Go With?" Accessed: Jan. 09, 2024. [Online]. Available: https://www.digikey.com/en/maker/projects/comparing-microcontrollers-what-brain-should-i-go-with/02d2dcb1a0d441f5a11fc9956559b226

[17]   Y. Liu, Y. Wang, and J. Zhang, "New Machine Learning Algorithm: Random Forest BT - Information Computing and Applications," pp. 246–252, 2012.

[18]   L. E. Rahmadhani, L. I. Widuri, and P. Dewanti, "Kualitas Mutu Sayur Kasepak (Kangkung, Selada, Dan Pakcoy) Dengan Sistem Budidaya Akuaponik Dan Hidroponik," *J. Agroteknologi*, vol. 14, no. 01, p. 33, 2020, doi: 10.19184/j-agt.v14i01.15481.

[19]   F. Chuzaini and Dzulkiflih, "IoT Monitoring Kualitas Air dengan Menggunakan Sensor Suhu , pH , dan Total Dissolved Solids (TDS)," *J. Inov. Fis. Indones.*, vol. 11, no. 3, pp. 46–56, 2022.

[20] D. R. Irianto, M. A. Anshori, and P. E. Mas'udi, "Rancang Bangun Sistem Komunikasi Data Pemesanan pada Drive Thru Toko Roti ETU Polinema Berbasis Android," *J. Jartel J. Jar. Telekomun.*, vol. 10, no. 3, pp. 144–149, 2020, doi: 10.33795/jartel.v10i3.58.

[21] H. B. Santoso, M. Schrepp, R. Y. K. Isal, A. Y. Utomo, and B. Priyogi, "Measuring User Experience of the Student-Centered e-Learning Environment," *J. Educ. Online*, vol. 13, pp. 58–79, 2016, [Online]. Available: https://api.semanticscholar.org/CorpusID:62468424

[22] K. C. Leung, V. O. K. Li, and D. Yang, "An overview of packet reordering in transmission control protocol (TCP): Problems, solutions, and challenges," *IEEE Trans. Parallel Distrib. Syst.*, vol. 18, no. 4, pp. 522–535, 2007, doi: 10.1109/TPDS.2007.1011.

[23] S. Ahdan, O. Firmanto, and S. Ramadona, "Rancang Bangun dan Analisis QoS (Quality of Service) Menggunakan Metode HTB (Hierarchical Token Bucket) pada RT/RW Net Perumahan Prasanti 2," *J. Teknoinfo*, vol. 12, no. 2, p. 49, 2018, doi: 10.33365/jti.v12i2.89.

[24] R. Ramaidani, V. Mardina, and M. Al Faraby, "Pengaruh Nutrisi Ab Mix Terhadap Pertumbuhan Sawi Pakcoy Dan Selada Hijau Dengan Sistem Hidroponik," *BIO-EDU J. Pendidik. Biol.*, vol. 6, no. 3, pp. 300–310, 2021, doi: 10.32938/jbe.v6i3.1223.

[25] ITU-T, "G.1010: End-user multimedia QoS categories," *Int. Telecommun. Union*, vol. 1010, 2001, [Online]. Available: http://scholar.google.com.au/scholar?hl=en&q=ITU-T+Recommendation+G.1010&btnG=&as_sdt=1,5&as_sdtp=#7

[26] H. A. Permana, F. T. Syifa, and M. A. Afandi, "Sistem Monitoring pH dan Kekeruhan Akuarium Menggunakan Metode Regresi Linear," *J. Telecommun. Electron. Control Eng.*, vol. 4, no. 1, pp. 47–55, 2022, doi: 10.20895/jtece.v4i1.407.

[27] M. R. Mesbahi, A. M. Rahmani, and M. Hosseinzadeh, "Reliability and high availability in cloud computing environments: a reference roadmap," *Human-centric Comput. Inf. Sci.*, vol. 8, no. 1, 2018, doi: 10.1186/s13673-018-0143-8.