

## DAFTAR PUSTAKA

- [1] D. Theo Syafei and R. Watiasih, "ID: 11 Aplikasi IoT Pada Sistem Kontrol dan *Monitoring* Tanaman Hidroponik *Application of IoT in Hydroponic Plant Control and Monitoring Systems*," no. November 2021, pp. 73–86, 2021.
- [2] H. Rasyid, "Penyempitan Lahan Ancam Ketahanan Pangan." 2020. [Online]. Available: <http://research-report.umm.ac.id/index.php/API-BAA/article/view/3900>
- [3] M. A. J. Hidayat and A. Z. Amrullah, "Sistem Kontrol dan *Monitoring* Tanaman Hidroponik Berbasis *Internet of Things (IoT)* menggunakan NodeMCU ESP32," *J. SAINTEKOM*, vol. 12, no. 1, pp. 23–32, 2022, doi: 10.33020/saintekom.v12i1.223.
- [4] N. Furoidah, "Efektivitas penggunaan AB mix terhadap pertumbuhan beberapa varietas sawi (*Brassica sp.*)," *Pros. Semin. Nas. Fak. Pertan. UNS*, vol. 2, no. 1, pp. 239–246, 2018.
- [5] B. I. I Wayan Sukasana, I Nengah Karnata, "Dengan Mengatur Dosis Nutrisi Ab Mix Agrifarm Dan Umur Bibit Secara Hidroponik Sistem NFT," vol. 13, no. 2, pp. 212–220, 2019, [Online]. Available: <http://journal.unmasmataram.ac.id/index.php/>
- [6] E. Febrianti *et al.*, "Rekayasa Media Tanam Wick System Dan Pemberian Poc Untuk Meningkatkan Pertumbuhan Dan Hasil Tanaman Pakcoy," *J. TABARO Agric. Sci.*, vol. 5, no. 2, p. 583, 2022, doi: 10.35914/tabaro.v5i2.1017.
- [7] M. R. Rahmad Doni, "Sistem Monitoring Tanaman Hidroponik Berbasis *Iot (Internet of Thing)* Menggunakan Nodemcu ESP8266," *J. Sains Komput. Inform.*, doi: 10.1161/CIRCRESAHA.112.270033.
- [8] H. Mas'ud, "Sistem Hidroponik dengan Nutrisi dan Media Tanam Berbeda Terhadap Pertumbuhan dan Hasil Selada," *Media Litbang Sulteng*, vol. 2, no. 2, pp. 131–136, 2009, [Online]. Available: <http://jurnal.untad.ac.id>
- [9] R. Ramaidani, V. Mardina, and M. Al Faraby, "Pengaruh Nutrisi AB Mix terhadap Petumbuhan Sawi Pakcoy dan Selada Hijau dengan Sistem

- Hidroponik,” *Biol. Samudra*, vol. 4, no. 1, pp. 32–42, 2022, doi: 10.33059/jbs.v4i1.4136.
- [10] M. Suarsana, I. P. Parmila, and K. A. Gunawan, “Pengaruh Konsentrasi Nutrisi AB Mix terhadap Pertumbuhan dan Hasil Sawi Pakcoy (*Brassica rapa* L.) dengan Hidroponik Sistem Sumbu (*Wick System*),” *Agro Bali Agric. J.*, vol. 2, no. 2, pp. 98–105, 2020, doi: 10.37637/ab.v2i2.414.
- [11] R. F. Taufik, “Ketahanan Pangan Pada Era Pandemi Di Jatiroto *Initiation of Urban Agricultural Development To Strengthen Food Security in Pandemic Era in Jatiroto*,” vol. 6, pp. 114–120, 2020.
- [12] J. N. D. Tiljuir, M. A. A. Gafur, and F. Rosalina, “Pengaruh Perbedaan Dosis Nutrisi AB Mix Sistem Hidroponik Rakit Apung Terhadap Pertumbuhan Tanaman Selada (*Lactuca Sativa* L.),” *Agriva J. (Journal Agric. Sylva)*, vol. 1, no. 1, pp. 26–33, 2023.
- [13] M. M. F. Fatori, “Aplikasi IoT Pada Sistem Kontrol dan *Monitoring* Tanaman Hidroponik,” *J. Pendidik. Sains dan Komput.*, vol. 2, no. 02, pp. 350–356, 2022, doi: 10.47709/jpsk.v2i02.1746.
- [14] M. A. Harahap, F. Harahap, and T. Gultom, “*The effect of ab mix nutrient on growth and yield of pak choy (brassica chinensis l.) plants under hydroponic wick system condition*,” *J. Phys. Conf. Ser.*, vol. 1485, no. 1, 2020, doi: 10.1088/1742-6596/1485/1/012028.
- [15] R. Vidhya and K. Valarmathi, “*Automatic Monitoring of Hydroponics System Using IoT*,” *Lect. Notes Data Eng. Commun. Technol.*, vol. 35, no. June, pp. 641–648, 2020, doi: 10.1007/978-3-030-32150-5\_62.
- [16] F. Istiqomah, Y. Y. Regitasari, A. N. Roshita, and J. Susila, “Rancang Bangun Sistem Kontrol Otomatis Dan Monitoring pH Larutan Nutrisi Kebun Sayur Hidroponik Berbasis Android,” *El Sains J. Elektro*, vol. 2, no. 1, 2020, doi: 10.30996/elsains.v2i1.3673.
- [17] S. Karim, I. M. Khamidah, and Yulianto, “Sistem Monitoring Pada Tanaman Hidroponik Menggunakan Arduino UNO dan NodeMCU,” *Bul. Poltanesa*, vol. 22, no. 1, pp. 75–79, 2021, doi: 10.51967/tanesa.v22i1.331.
- [18] Rouhillah, Inzar Salfikar, and Javid Hamar, “Rancang Bangun Alat *Monitoring* Nutrisi Kebun Hidroponik,” *J-Innovation*, vol. 10, no. 2, pp. 44–

- 49, 2021, doi: 10.55600/jipa.v10i2.114.
- [19] I. W. S. Putra, K. A. Yasa, and A. Ngurah, “Sistem Kontrol Otomatis Kepekatan Air Nutrisi Hidroponik Berbasis *Internet of Things (IoT)*,” ... *Nas. Terap. Ris.* ..., pp. 286–293, 2021, [Online]. Available: <https://proceeding.isas.or.id/index.php/sentrinov/article/view/979%0Ahttps://proceeding.isas.or.id/index.php/sentrinov/article/download/979/336>
- [20] P. Hidayatullah, M. Orisa, and A. Mahmudi, “Rancang Bangun Sistem *Monitoring* Dan Kontrol Tanaman Hidroponik Berbasis *Internet of Things (IoT)*,” *JATI (Jurnal Mhs. Tek. Inform.,* vol. 6, no. 2, pp. 1200–1207, 2023, doi: 10.36040/jati.v6i2.5433.
- [21] A. Fauzan and R. Fahlefie, “Sistem Monitoring Hidroponik Berbasis Arduino Uno,” *J. Ilm. Mhs. Kendali dan List.,* vol. 3, no. 1, pp. 84–94, 2022.
- [22] A. A. Imansyah, M. Syamsiah, and M. Jakaria, “Rancang Bangun Prototype Sistem Otomatis Dalam Budidaya Tanaman Hidroponik Berbasis Iot (*Internet of Things*),” *J. Innov. Res. Agric.,* vol. 1, no. 1, pp. 1–13, 2022, doi: 10.56916/jira.v1i1.97.
- [23] P. Megantoro *et al.*, “*Instrumentation system for data acquisition and monitoring of hydroponic farming using ESP32 via Google Firebase,*” *Indones. J. Electr. Eng. Comput. Sci.,* vol. 27, no. 1, pp. 52–61, 2022, doi: 10.11591/ijeecs.v27.i1.pp52-61.
- [24] A. Surya Wardhana, A. Kusuma Dewi, F. Neaja Wiranto, N. Aisah Septiani, and J. Umar Ravy, “Pengaturan Kandungan Nutrisi pH secara Otomatis pada Hidroponik menggunakan Mikrokontroler,” pp. 288–296, 2023, [Online]. Available: <https://ejurnal.itats.ac.id/snestikdanhttps://snestik.itats.ac.id>
- [25] J. Rusman, A. Michael, M. Garonga, and Y. Paongan, “Sistem Kontrol Kadar Nutrisi Tanaman Hidroponik Berbasis Arduino UNO,” *J. Dyn. Saint,* vol. 7, no. 2, pp. 8–14, 2023, doi: 10.47178/dynamicsaint.v7i2.1895.
- [26] Rifqi, “Media Tanam untuk Hidroponik Substrat yang Paling Cocok.” [Online]. Available: <https://ilmubudidaya.com/media-tanam-untuk-hidroponik-substrat>
- [27] I. S. Roidah, “Pemanfaatan Lahan Dengan Menggunakan Sistem Hidroponik,” vol. 1, no. 2, pp. 43–50, 2014.

- [28] I. Rifky, “Mikrokontroler ESP32.” [Online]. Available: <https://raharja.ac.id/2021/11/16/mikrokontroler-esp32-2/>
- [29] DFROBOT, “Dfrobot Tds Sensor.” [Online]. Available: [https://wiki.dfrobot.com/Gravity\\_\\_Analog\\_TDS\\_Sensor\\_\\_\\_Meter\\_For\\_Arduino\\_SKU\\_\\_SEN0244](https://wiki.dfrobot.com/Gravity__Analog_TDS_Sensor___Meter_For_Arduino_SKU__SEN0244)
- [30] R. N. Ikhsan and N. Syafitri, “Pemanfaatan Sensor Suhu DS18B20 sebagai Penstabil Suhu Air Budidaya Ikan Hias,” *Pros. Semin. Nas. Energi, Telekomun. dan Otomasi*, pp. 18–26, 2021.
- [31] D. Alexander and O. Turang, “Pengembangan Sistem *Relay* Pengendalian Dan Penghematan Pemakaian Lampu,” *Semin. Nas. Inform.*, vol. 2015, no. November, pp. 75–85, 2015.
- [32] H. S. Mohammad Noviansyah, “Perancangan Alat Kontrol *relay* Lampu Rumah via Mobile,” *J. AKRAB JUARA*, vol. 4, no. 4, pp. 85–97, 2019.
- [33] R. ELECTRONICS, “3 CHANNEL *RELAY* - 5V Features :,” pp. 4–6.
- [34] S. U. Indonesia, “*Know How a Peristaltic Pump Works.*” [Online]. Available: <https://syaf.co.id/ketahui-cara-kerja-pompa-peristaltik/>
- [35] Moch. Bakhrul Ulum, Moch. Lutfi, and Arif Faizin, “Otomatisasi Pompa Air Menggunakan NODEMCU ESP8266 Berbasis *Internet of Things (IoT)*,” *JATI (Jurnal Mhs. Tek. Inform.*, vol. 6, no. 1, pp. 86–93, 2022, doi: 10.36040/jati.v6i1.4583.
- [36] Sunan Sarif Hidayatullah, “Pengertian *Power Supply Switching* Dan Cara Kerjanya.” [Online]. Available: <https://www.belajaronline.net/2020/07/pengertian-power-supply-switching-dan-cara-kerjanya.html>
- [37] Blynk Inc, “Blynk Documentation,” <https://Blynk.io/>. [Online]. Available: [https://docs.blynk.io/en/~/revisions/-MNOW4\\_ClacU2Bp\\_e5ii/device/web-dashboard](https://docs.blynk.io/en/~/revisions/-MNOW4_ClacU2Bp_e5ii/device/web-dashboard)