

DAFTAR PUSTAKA

- [1] S. Widodo and H. Saputra, "Design and Construction of IoT-Based Hydroponic Plant Monitoring Tool Utilizing Liquid Fertilizer from Waste Rancang Bangun Alat Monitoring Tanaman Hidroponik dengan Pemanfaatan Pupuk Cair Limbah Sampah Berbasis IoT," vol. 5, no. 2, pp. 118–129, 2025.
- [2] 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, no. June, p. 102401, 2023, doi: 10.1016/j.mex.2023.102401.
- [3] A. Zulfan, S. Rintyarna, and A. B. Nugroho, "Rancang Bangun Smart Nutrition System pada Teknik Budidaya Hidroponik Kangkung (*Ipomoea Spp*) dan Bayam (*Amaranthus Spp*) Berbasis IoT (Internet of Things)," *J. Tek. Elektro dan Komputasi*, vol. 6, no. 2, pp. 234–244, 2024.
- [4] H. Hartanto, H. Hasan, T. Muzakkir, M. Yuwono Tharam, M. Ilyas, and E. Radwitya, "Rancang Bangun Sistem Monitoring Tanaman Lidah Buaya Menggunakan ESP32 Berbasis IoT," *Electr. Netw. Syst. Sources*, vol. 3, no. 1, pp. 23–31, 2024, doi: 10.58466/entries.v3i1.1575.
- [5] Putra Andika, *IMPLEMENTASI INTERNET of THINGS (IoT) UNTUK PENGENDALIAN STABILITAS TANAMAN PAKCOY PADA KEBUN HIDROPONIK PRODI BIOLOGI UIN AR-RANIRY BANDA ACEH*. 2024.
- [6] B. Tjahjono, Y. Fauzia, and R. Kurnia, "Prototyping Of Precision Farming Hydroponic Garden Using Arduino Using Design Thinking Method At Puriponic Greenhouse Depok," *Int. J. Sci. Technol. Manag.*, vol. 4, no. 2, pp. 305–310, 2023, doi: 10.46729/ijstm.v4i2.774.
- [7] H. Berbasis and I. O. T. Untuk, "Hal. 455-464 Vol. 6; No. 3," pp. 455–464, 2024.
- [8] J. Riset *et al.*, "Sistem Pintar IoT Berbasis Arduino dan Android untuk Pengontrolan Kondisi pH dan TDS pada Pengairan Hidroponik Smart IoT

- System of Arduino and Android Based for pH and TDS in Hydroponic Irrigation,” vol. 6, no. 1, pp. 101–108, 2022.
- [9] D. Mitchel *et al.*, “Study of Several Hydroponics Nutrition for Curly Lettuce (*Lactuca sativa* L .) by Using Sensorized Hydroponics,” vol. 126, pp. 203–207, 2023, doi: 10.4028/p-n0hp0b.
- [10] “View of PERTUMBUHAN DAN HASIL TANAMAN SELADA (*Lactuca Sativa* L) PADA BERBAGAI KONSENTRASI NUTRISI AB MIX DENGAN SISTEM HIDROPONIK NUTRIENT FILM TECHNIQUE (NFT).pdf.”
- [11] S. Pendidikan *et al.*, “VALIDASI PENGEMBANGAN MEDIA PEMBELAJARAN TRAINER MIKROKONTROLER MODEL TRAFFIC LIGHT PADA MATA PELAJARAN MIKROPROSESOR DAN MIKROKONTROLER Eko Rohmatul Hidayat Bambang Supriyanto,” pp. 9–16.
- [12] E. Science, “Indoor Hydroponic System Using IoT-Based LED Indoor Hydroponic System Using IoT-Based LED”, doi: 10.1088/1755-1315/998/1/012048.
- [13] “View of Media Pembelajaran Sensor Berbasis Arduino Uno Untuk Pembelajaran Mikrokontroler Pemula.pdf.”
- [14] I. Fathurrahman, M. Saiful, and L. M. Samsu, “Penerapan Sistem Monitoring Hidroponik Berbasis Internet of Things (IoT),” vol. 2, no. 2, pp. 283–290, 2021, doi: 10.29408/ab.v2i2.4219.
- [15] T. Rahajoeningroem and A. S. Mardika, “Sistem Kendali dan Monitoring Parameter Limbah Cair Tahu sebagai Larutan Nutrisi Tanaman Hidroponik Bebasis Internet of Things Control and Monitoring System of Tofu Liquid Waste Parameters as a Hydroponic Plant Nutrient Solution free of Internet of Things,” vol. 9, no. 1, 2021.
- [16] P. L. Ama, “Jurnal INTRO (Informatika dan Teknik Elektro),” vol. 3, no. 1, pp. 41–48, 2024.
- [17] P. Trainer *et al.*, “PERALATAN SISTEM OTOMASI ELEKTRONIK YANG BERKAITAN DENGAN I / O BANTUAN MIKROPROSESOR

- DAN MIKROKONTROLER DI SMKN 2 LAMONGAN,” pp. 257–263.
- [18] E. B. Raharjo, S. Marwanto, and A. Romadhona, “RANCANGAN SISTEM MONITORING SUHU DAN KELEMBAPAN RUANG SERVER,” pp. 61–68, 2019.
 - [19] P. T. Elektro *et al.*, “Pembuatan Media Pembelajaran Trainer Mikrokontroller Pembuatan Media Pembelajaran Trainer Mikrokontroller Arduino Uno Berbasis IOT Annisa Ayu Nur Fadhilah”.
 - [20] D. Setiawan and T. Elektronika, “MONITORING KUALITAS UDARA UNTUK MENGUKUR,” vol. 18, no. Ii, pp. 7–14, 2025.
 - [21] D. Revansa and A. Pradhana, “Jurnal teknologi,” vol. 11, no. 2, 2024.
 - [22] “View of Mengenal Bahasa Pemrograman Pada Algoritma Pemrograman.pdf.”
 - [23] P. Santoso, E. Purwanta, and P. R. P. Nuklir-batan, “PEMBUATAN DIAGRAM ALIR INSTRUMENTASI DAN PEMIPAAN UNTAI UJI SISTEM KENDALI REAKTOR RISET,” vol. 9, no. November, pp. 110–117, 2012.
 - [24] D. Suarna, “Rancang Bangun Pengontrolan Alat Elektronik Berbasis Internet of Things,” vol. 5, pp. 136–142, 2023.
 - [25] M. Student, “SMART AUTOMATED HYDROPONICS SYSTEM WITH APP BASED CONTROL USING IOT,” vol. 12, no. 3, pp. 296–303, 2025.
 - [26] E. Systems, “ESP32 Series,” 2023.
 - [27] “Blynk IoT Platform Documentation (Reference Packet) Recommended IEEE reference : 2 . Main Components Used in Student Projects 3 . Key Concepts Relevant to Your Thesis 4 . Suggested Documentation Pages to Cite,” p. 2026, 2026.