

DAFTAR PUSTAKA

- [1] S. G. Bakara, "KAJIAN PEMANFAATAN SUMBERDAYA PANGAN LOKAL TERHADAP KETAHANAN PANGAN RUMAH TANGGA," 2024.
- [2] M. K. Ni'am, "Perancangan Dan Pembuatan Mesin Pengering Chip Singkong Tipe Rak (Tray Dryer)," *JUSTI (Jurnal Sist. dan Tek. Ind.)*, vol. 4, no. 4, p. 490, 2024, doi: 10.30587/justicb.v4i4.8148.
- [3] L. Alfat and R. Fadillah, "Pengembangan Oven Pengering Ikan Teri Dengan Algoritma Fuzzy dan Pemantauan Melalui Telegram," *J. Inform. J. Pengemb. IT*, vol. 10, no. 3, pp. 585–592, 2025, doi: 10.30591/jpit.v10i3.8073.
- [4] Rahardjo et al., "Alat Pengering Kerupuk Rambak Otomatis Dilengkapi Dengan Notifikasi Telegram," *Jurnal Digitech*, 2023. [Online]. Available: <https://jurnal.itscience.org/index.php/digitech/article/view/3080>
- [5] Sukaina, "KARAKTERISTIK PENGERINGAN RUMPUT LAUT DENGAN MENGGUNAKAN ALAT PENGERING TIPE MICROWAVE," vol. 43, no. March, pp. 1–9, 2022.
- [6] (BSN), "Rumput laut kering," *Sni 26902015*, pp. 1–8, 2015.
- [7] Badan Penyuluhan dan Pengembangan SDM Pertanian, Info Teknologi: Teknologi Pascapanen Bawang Merah. 2023. [Online]. Available: <https://pustaka.bppsdp.pertanian.go.id/info-literasi/info-teknologi-teknologi-pasca-panen-bawang-merah>
- [8] E. Rahayu dan W. Adiyoga, "Teknologi pascapanen bawang merah," *Jurnal Hortikultura*, vol. 22, no. 1, pp. 1–10, 2012.
- [9] S. M. Widayanti dan B. Haryanto, "Pengaruh suhu pengeringan terhadap mutu fisik bawang merah," *Jurnal Teknologi dan Industri Pangan*, vol. 21, no. 1, pp. 37–43, 2010.
- [10] D. Kusumawardani, A. Izzuddin, dan N. Hikmah, "Rancang Bangun Alat Pengering Berbasis Mikrokontroler untuk Produk Pangan UMKM," *INTRO: Journal Informatika dan Teknik Elektro*, vol. 2, no. 1, pp. 1–8, 2023.
- [11] A. Prasetyo, R. D. Lestari, dan M. H. Santoso, "Analisis Kehilangan Pascapanen dan Mutu Produk Pangan pada Metode Pengeringan Tradisional," *Jurnal Keteknikan Pertanian*, vol. 10, no. 3, pp. 145–154, 2022.

- [12] F. B. Lilir, C. K. M. Palar, and N. N. Lontaan, "Pengaruh lama pengeringan terhadap proses Pengolahan kerupuk kulit sapi," *Zootec*, vol. 41, no. 1, p. 214, 2021, doi: 10.35792/zot.41.1.2021.32667.
- [13] S. Lilir, "Pengaruh Suhu Pengeringan terhadap Kadar Air dan Mutu Kerupuk Kulit Sapi," *Jurnal Teknologi Hasil Ternak*, vol. 14, no. 2, pp. 85–92, 2021.
- [14] M. F. Rahman dan A. Kurniawan, "Evaluasi Efisiensi Energi dan Kualitas Produk pada Pengeringan Pangan Skala UMKM," *Jurnal Energi dan Manufaktur*, vol. 7, no. 2, pp. 110–118, 2021.
- [15] K. Santosa, "Karakteristik Pigmen dan Morfologi Rumput Laut Sargassum sp. serta Implikasinya terhadap Proses Pengeringan," *Jurnal Kelautan Tropis*, vol. 12, no. 1, pp. 41–49, 2021.
- [16] A. Hidayat, S. Wahyuni, dan B. Nugroho, "Karakteristik Proses Pengeringan Bawang Merah pada Suhu Terkontrol," *Jurnal Teknologi Pertanian*, vol. 19, no. 1, pp. 55–63, 2020.
- [17] R. Ramadhan, "Penerapan Kontrol Suhu Berbasis Fuzzy Logic pada Alat Pengering Kerupuk Kulit," *Jurnal Teknik Elektro dan Informatika*, vol. 8, no. 1, pp. 25–33, 2024.
- [18] M. A. Hasan, N. S. Widodo, dan R. P. Sari, "Pengembangan Greenhouse Dryer untuk Produk Pertanian di Daerah Pesisir," *Jurnal Ilmu dan Teknologi Pertanian*, vol. 15, no. 2, pp. 67–75, 2022.
- [19] P. Putri dan M. Taali, "Sistem Pengering Otomatis Berbasis Mikrokontroler untuk Produk Pangan dengan Pengendalian Suhu dan Kelembapan," *Jurnal Rekayasa Sistem Industri*, vol. 11, no. 2, pp. 98–106, 2022.
- [20] M. A. P. Afif, N. T. Niam, and A. W. Ardik, "Prototipe Alat Pengering Padi dan Jagung Tipe Putar Secara Otomatis Menggunakan Metode PID Berbasis Internet of Things," *J. Fokus Elektroda Energi List. Telekomun. Komputer, Elektron. dan Kendali*, vol. 9, no. 2, pp. 63–72, 2024, doi: 10.33772/jfe.v9i2.172.
- [21] T. Liu, "Digital-output relative humidity & temperature sensor/module DHT22," Aosong Electronics, 2022.
- [22] Sensirion AG, "SHT3x-ARP Humidity and Temperature Sensor IC Data Sheet," Zürich, Switzerland, 2023.

- [23] Y. A. K. Utama et al., "Perbandingan Kualitas Antar Sensor Kelembaban Udara dengan Menggunakan Arduino Uno," Prosiding SNST, vol. 10, pp. 60-65, 2019.
- [24] SparkFun Electronics, "Load Cell Amplifier HX711 Breakout Hookup Guide," [Online]. Available: <https://www.digikey.com/htmldatasheets/production/1836466/0/0/1/load-cell-amp-hx711-breakout-hookup-guide.html>
- [26] Avia Semiconductor, "HX711 24-Bit Analog-to-Digital Converter (ADC) for Weigh Scales," datasheet, [Online]. Available: https://cdn.sparkfun.com/datasheets/Sensors/ForceFlex/hx711_english.pdf
- [27] Nuvoton Technology Corporation, "NAU7802 24-bit ADC Datasheet," Rev. 2.6, Dec. 2023. [Online]. Available: https://www.nuvoton.com/resource-files/NAU7802_Data_Sheet_V1.7.pdf
- [28] SparkFun Electronics, "SparkFun Qwiic Scale - NAU7802," [Online]. Available: <https://www.sparkfun.com/products/15242>. [Accessed: 15-12- 2025].
- [29] Y. A. K. Utama, Y. Widiyanto, T. A. Sardjono and H. Kusuma, "PERBANDINGAN KUALITAS ANTAR SENSOR KELEMBABAN UDARA DENGAN MENGGUNAKAN ARDUINO UNO", Prosiding SNST, vol.10, pp.60 65, 2019
- [30] Components101, "*NodeMCU ESP8266 Pinout, Specifications, Features & Datasheet*," Components101.com, 22-Apr-2020. [Online]. Available: <https://components101.com/development-boards/nodemcu-esp8266-pinout-features-and-datasheet>. [Accessed: 15-12-2025]
- [31] Muliadi, Al Imran, dan Muh. Rasul, "Pengembangan Tempat Sampah Pintar Menggunakan ESP32," Media Elektrik, vol. 8, no. 1, hal. 43–51, 2021.
- [32] "12v, 100rpm, 10kg.cm Dc Motor with Planetary Reduction Gearbox," Amazon. [Online]. Available: <https://www.amazon.com/100rpm-10kg-cm-Planetary-Reduction-Gearbox/dp/B016W9T0E4>. [Accessed: Dec. 15, 2025].
- [33] Handson Technology, JGB37-550 High Torque DC Gear Motor — Datasheet, Diakses: 15 desember 2025. [Daring]. pada: https://handsontec.com/dataspecs/motor_fan/JGB37-550-Geared%20Motor.pdf

- [34] "NEMA 17 Stepper Motor Datasheet, Wiring, Specs & Alternatives," Components101. [Online]. Available: <https://components101.com/motors/nema17-stepper-motor>. [Accessed: Dec. 15, 2025].
- [35] "BTS7960 Motor Driver Datasheet and Circuit Diagram," Ovaga Technologies, Oct. 11, 2023. [Online]. Available: <https://www.ovaga.com/blog/transistor/bts7960-motor-driver-datasheet-and-circuit-diagram>
- [36] "L298N Motor Driver Module Pinout, Datasheet, Features & Specs," Components101. [Online]. Available: <https://components101.com/modules/l293n-motor-driver-module>.
- [37] AllDatasheet.com, "A4988 Datasheet, PDF – ALLDATASHEET.COM," AllDatasheet.com. [Online]. Available: <https://www.alldatasheet.com/view.jsp?Searchword=A4988%20datasheet>
- [38] S. P. Maghfira, B. Suprianto, L. Rakhmawati, and R. Firmansbak, "Rancang Bangun Sistem Kontrol Suhu dan Kelembapan Berbasis IoT dengan Fuzzy Logic untuk Optimasi Proses Fermentasi pada Pengolahan Tempe," Jurnal Teknik Elektro, vol. 14, no. 3, pp. 257–263, 2025.
- [39] K. Nurhandayani and M. W. Kasrani, "Penerapan Kontrol Logika Fuzzy untuk Sistem Pengering Ikan dengan Teknologi Inframerah," Jurnal Teknik Elektro UNIBA, vol. 9, no. 1, pp. 34–40, 2024.
- [40] SuperbHeater, "APA ITU PTC," id.top-heaterchina.com. Diakses: 6 November 2025. [Daring]. Tersedia pada: <https://id.top-heaterchina.com/info/what-is-ptc%2056186530.html>
- [41] Taiwan King Lung Chin PTC Co., Ltd., "PTC Air Heaters," KLC Corporation, Taichung, Taiwan, 2025. Available: <https://www.ptc-heater.com.tw/product/ptc-air-heaters>
- [42] OMEGA Engineering Inc., "LDC4 Low-Density Cartridge Heater – Specifications," 2024. [Online]. Available: <http://www.vietton.com>
- [43] Backer-Facsa S.L.U., "IR Ceramic Heating Elements – Data Sheet," Spain, 2024. [Online]. Available: <https://www.backerfacsa.es/downloads/5/data-sheet-ir-ceramic-heaters.pdf>

- [44] K. Kusmiyati, "Monitoring Sistem Kontrol Mesin Drying Kopi Secara Real Time Berbasis IoT," *Elektrika*, vol. 15, no. 2, pp. 90–96, Oct. 2023, doi:10.26623/elektrika.v15i2.7857
- [45] SUNON Inc., Axial Cooling Fan DP200A – Datasheet, 2023. Diakses: 6 Nov 2025. [Daring]. Tersedia [https://www.sunon.com/PROSEARCH_FILES/\(A12003600G-00\)-5.pdf](https://www.sunon.com/PROSEARCH_FILES/(A12003600G-00)-5.pdf)
- [46] Delta Electronics, "BFB Series Blowers & Centrifugal Fans," Mouser Electronics Indonesia, 2025. [Online]. Available: <https://www.mouser.co.id/c/thermal-management/fans-blowers/blowers-centrifugal-fans/?m=Delta%20Electronics&series=BFB&srsId=AfmBOoqmFx-huYSAoqNqCLLbkPr1yTxwpFZ1VBHmz6jNXylRUZpLo4jb>
- [47] SANYO DENKI Co., Ltd., "Catalog No. C1013B001 – 80×80×38 mm DC Fan High Static Pressure (9HV0812P1G001/9HV0848P1G001)," Tokyo, Japan, 2012. [Online]. Available: <https://docs.rs-online.com/e3ca/0900766b813279f5.pdf>
- [48] Adaruit Industries, "Standard LCD 20×4 + extras – white on blue," Product ID 198. [Online]. Available: <https://www.adafruit.com/product/198>
- [49] "Buzzer." [Online]. Available: <https://www.farnell.com/datasheets/2171929.pdf>
- [50] "Blynk Documentation," *Blynk*. [Online]. Available: <https://docs.blynk.io/en/>
- [51] Ubidots. [Online]. Available: <https://ubidots.com/>
- [52] "Power Supply 12V 20A Switching Adapter," Shopee, [Online]. Available: <https://shopee.co.id/product/29578263/1326444100>
- [53] F. A. Yaqin, R. P. Adrianto, dan L. A. Prasetyo, "Perancangan Power Supply Switching Dengan Power Factor Correction (PFC) Untuk Mengoptimalkan Daya Output dan Pengaman Proteksi Hubung Singkat," *Jurnal Arus Elektro Indonesia*, vol. 7, no. 2, pp. 66–74, 2024. [Online]. Available: <https://ejaei.jurnal.unej.ac.id/index.php/E-JAEI/article/view/23674>
- [54] XLSEMI, "XL4015 5 A 180 kHz 36 V Buck DC/DC Converter Datasheet (Rev 1.1)," 2022.
- [55] Infineon Technologies, "IRLB3034 Data Sheet," Jan. 14, 2009. [Online]. Available: <https://www.infineon.com/assets/row/public/documents/24/49/infineon-irlb3034-datasheet-en.pdf>