

DAFTAR PUSTAKA

- [1] O. A. Hapsari, "Kakao Indonesia: Produksi, Tantangan dan Peluang," Balai Informasi Standar Instrumen Pertanian Badan Standardisasi Instrumen Pertanian.
- [2] A. J. Thifany, E. Santosa, and N. Khumaida, "Faktor-faktor yang Memengaruhi Produksi dan Efektivitas Panen pada Kakao Mulia," *J. Agron. Indones. (Indonesian J. Agron.)*, vol. 48, no. 2, pp. 187–195, Aug. 2020, doi: 10.24831/jai.v48i2.30565.
- [3] "Panduan Panen dan Pasca Panen Agar Menjamin Kualitas Buah Kakao," Gokomodo.
- [4] Zhaira Marianne Ferrancol Ferran, Luisa Ann Tamayo Ongquit, and Edwin Romero Arboleda, "A review of machine learning applications in Cacao Post-harvest management," *Int. J. Sci. Res. Arch.*, vol. 11, no. 1, pp. 1540–1550, Feb. 2024, doi: 10.30574/ijrsra.2024.11.1.0186.
- [5] G. E. Bueno, K. A. Valenzuela, and E. R. Arboleda, "Maturity classification of cacao through spectrogram and convolutional neural network," *J. Teknol. dan Sist. Komput.*, vol. 8, no. 3, pp. 228–233, Jul. 2020, doi: 10.14710/jtsiskom.2020.13733.
- [6] Ö. Süfer, A. Özkan Karabacak, and R. Pandiselvam, "The potential of cacao pod husk for sustainable packaging: A comprehensive review and future prospects," *J. Food Meas. Charact.*, no. September, 2024, doi: 10.1007/s11694-024-02858-3.
- [7] Y. K. Tee, S. K. Balasundram, P. Ding, A. H. M Hanif, and K. Bariah, "Determination of optimum harvest maturity and non-destructive evaluation of pod development and maturity in cacao (*Theobroma cacao* L.) using a multiparametric fluorescence sensor," *J. Sci. Food Agric.*, vol. 99, no. 4, pp. 1700–1708, Mar. 2019, doi: 10.1002/jsfa.9359.
- [8] R. Listanti, R. Evi Masithoh, A. Dwi Saputro, and H. Zuhrotul Amanah, "Identification of Maturity Stage of Cacao using Visible Near Infrared (Vis-NIR) and Shortwave Near Infrared (SW-NIR) Reflectance Spectroscopy," in

BIO Web of Conferences, EDP Sciences, Dec. 2023. doi: 10.1051/bioconf/20238006003.

- [9] B. O. Soyoye *et al.*, “Effect of Maturity Stages on Physical Properties of Cocoa (*Theobroma cacao* L.) Pods,” *Pertanika J. Sci. Technol.*, vol. 32, no. 3, pp. 1401–1411, 2024, doi: 10.47836/pjst.32.3.23.
- [10] M. C. García-Muñoz, M. P. Tarazona-Díaz, N. A. Meneses-Marentes, G. González-Sarmiento, A. S. Pineda-Guerrero, and G. E. Gómez-Urbe, “Development of color guides to evaluate the maturity of cacao clones by digital image processing,” *Pesqui. Agropecu. Trop.*, vol. 51, Feb. 2021, doi: 10.1590/1983-40632021v5169621.
- [11] Y. K. Tee, S. K. Balasundram, A. R. M. Shariff, and P. Ding, “Rapid and Non-Destructive Evaluation on Cacao Pigments, Flavonoids and Nitrogen Contents during Pod Development and Maturity Using A Fluorescence Sensor,” in *IOP Conference Series: Earth and Environmental Science*, Institute of Physics Publishing, Aug. 2020. doi: 10.1088/1755-1315/540/1/012094.
- [12] K. E. Rojas, M. C. García, I. X. Cerón, R. E. Ortiz, and M. P. Tarazona, “Identification of potential maturity indicators for harvesting cacao,” *Heliyon*, vol. 6, no. 2, Feb. 2020, doi: 10.1016/j.heliyon.2020.e03416.
- [13] Violumas, “The Basics of UV LED Technology,” <https://Violumas.Com>, pp. 1–5.
- [14] P. Identification, A. Instruments, F. Current, P. Dissipation, O. T. Range, and S. T. Range, “Ultra Violet LED,” pp. 1–4, 2014.
- [15] ams, “Datasheet AS7341 11-Channel Spectral Sensor,” pp. 1–67, 2018.
- [16] E. Characteristics, “11-Channel Multi-Spectral Sensor Module,” pp. 1–4.
- [17] A. Microcontroller, “Target Areas,” *Lancet*, vol. 300, no. 7770, p. 222, 1972, doi: 10.1016/S0140-6736(72)91649-2.
- [18] “How to Interface With OLED 1.3 Inch LCD128x64”.

- [19] Vishay manufacturing, "Vishay 128 x 64 Graphic OLED ABSOLUTE MAXIMUM RATINGS STANDARD VALUE STANDARD VALUE UNIT OPTIONS OLED-128O064D-BPP3N00000 INTERFACE PIN FUNCTION," pp. 1–25, 2017, [Online]. Available: www.vishay.com
- [20] Trivusi, "Penjelasan Lengkap Algoritma Support Vector Machine (SVM)." [Online]. Available: <https://www.trivusi.web.id/2022/04/algoritma-svm.html>
- [21] Tokopedia, "ACMIC MINIMAX 10000mAh Powerbank Mini 22.5W Fast Charging Type C - Black PB Only." [Online]. Available: <https://www.tokopedia.com/acmic/acmic-minimax-10000mah-powerbank-mini-22-5w-fast-charging-type-c-black-pb-only?extParam=cmp%3D1%26ivf%3Dtrue&src=topads>
- [22] Dicoding, "Python: Pengertian, Contoh Penggunaan, dan Manfaat Mempelajarinya." [Online]. Available: <https://www.dicoding.com/blog/python-pengertian-contoh-penggunaan-dan-manfaat-mempelajarinya/>
- [23] Anne Helmenstine, "Fluorescence Definition and Examples." Accessed: Dec. 31, 2024. [Online]. Available: <https://sciencenotes.org/fluorescence-definition-and-examples/>
- [24] L. Amalia, N. Sondari, T. Turmuktini, and K. R. Indriana, *Kakao Kokoa*. Purbalingga: Eureka Media Aksara, 2024.