Daftar Pustaka

[1] K.-M. Huang, Z. Guan, T. Blare, and A. M. Hammami, "Global Avocado Boom," *Choices*, vol. 38, pp. 1–9, 2023.

[2] FAOSTAT, "Crops and livestock products," Food and Agriculture Organization of the United Nations. Accessed: Jan. 17, 2025. [Online]. Available: https://www.fao.org/faostat/en/#data/QCL/visualize

[3] M. Ahmed *et al.*, "Few shot learning for avocado maturity determination from microwave images," *J Agric Food Res*, vol. 15, Mar. 2024, doi: 10.1016/j.jafr.2024.100977.

[4] P. Mishra, M. Paillart, L. Meesters, E. Woltering, A. Chauhan, and G. Polder, "Assessing avocado firmness at different dehydration levels in a multi-sensor framework," *Infrared Phys Technol*, vol. 118, Nov. 2021, doi: 10.1016/j.infrared.2021.103901.

[5] J. Naranjo-Torres, M. Mora, R. Hernández-García, R. J. Barrientos, C. Fredes, and A. Valenzuela, "A review of convolutional neural network applied to fruit image processing," May 01, 2020, *MDPI AG*. doi: 10.3390/app10103443.

[6] T. Kattenborn, J. Leitloff, F. Schiefer, and S. Hinz, "Review on Convolutional Neural Networks (CNN) in vegetation remote sensing," Mar. 01, 2021, *Elsevier B.V.* doi: 10.1016/j.isprsjprs.2020.12.010.

[7] S. Adige, R. Kurban, A. Durmuş, and E. Karaköse, "Classification of apple images using support vector machines and deep residual networks," *Neural Comput Appl*, vol. 35, no. 16, pp. 12073–12087, Jun. 2023, doi: 10.1007/s00521-023-08340-3.

[8] A. Muthulakshmi and P. N. Renjith, "Classification of durian fruits based on ripening with machine learning techniques," in *Proceedings of the 3rd International Conference on Intelligent Sustainable Systems, ICISS 2020*, Institute of Electrical and Electronics Engineers Inc., Dec. 2020, pp. 542–547. doi: 10.1109/ICISS49785.2020.9316006.

[9] C. Tang *et al.*, "A fine recognition method of strawberry ripeness combining Mask R-CNN and region segmentation," *Front Plant Sci*, vol. 14, 2023, doi: 10.3389/fpls.2023.1211830.

[10] A. J. Makrufi and W. F. Al Maki, "Support Vector Machine with Firefly Optimization Algorithm for Apple Fruit Disease Classification," *MATRIK : Jurnal Manajemen, Teknik Informatika Dan Rekayasa Komputer*, vol. 22, no. 1, pp. 177–188, 2022, doi: https://doi.org/10.30812/matrik.v22i1.2365.

[11] S. Mirjalili, "Moth-flame optimization algorithm: A novel nature-inspired heuristic paradigm," *Knowl Based Syst*, vol. 89, pp. 228–249, 2015, doi: https://doi.org/10.1016/j.knosys.2015.07.006.

[12] M. Shehab, L. Abualigah, H. Al Hamad, H. Alabool, M. Alshinwan, and A. M. Khasawneh, "Moth–flame optimization algorithm: variants and applications," Jul. 01, 2020, *Springer*. doi: 10.1007/s00521-019-04570-6.

[13] P. Xavier, P. Rodrigues, and C. L. M. Silva, "'Hass' Avocado Ripening Photographic Dataset," *Mendeley Data*, vol. 1, 2024, doi: 10.17632/3xd9n945v8.1.

[14] P. Xavier, P. M. Rodrigues, and C. L. M. Silva, "Shelf-Life Management and Ripening Assessment of 'Hass' Avocado (Persea americana) Using Deep Learning Approaches," *Foods*, vol. 13, no. 8, Apr. 2024, doi: 10.3390/foods13081150.

[15] J. E. de la Cruz and O. J. Vera Ramirez, "Convolutional neural networks for the Hass avocado classification using LabVIEW in an agro-industrial plant," in *2020 IEEE XXVII International Conference on Electronics, Electrical Engineering and Computing (INTERCON)*, 2020, pp. 1–4. doi: 10.1109/INTERCON50315.2020.9220246.

[16] I. Arzate-Vázquez *et al.*, "Image Processing Applied to Classification of Avocado Variety Hass (Persea americana Mill.) During the Ripening Process," *Food Bioproc Tech*, vol. 4, no. 7, pp. 1307–1313, Oct. 2011, doi: 10.1007/s11947-011-0595-6.

[17] C. A. Jaramillo-Acevedo, W. E. Choque-Valderrama, G. E. Guerrero-Álvarez, and C. A. Meneses-Escobar, "Hass avocado ripeness classification by mobile devices using digital image processing and ANN methods," *International Journal of Food Engineering*, vol. 16, no. 12, Dec. 2020, doi: 10.1515/ijfe-2019-0161.

[18] S. Nuanmeesri, "Utilization of Multi-Channel Hybrid Deep Neural Networks for Avocado Ripeness Classification," *Engineering, Technology and Applied Science Research*, vol. 14, no. 4, pp. 14862–14867, Aug. 2024, doi: 10.48084/etasr.7651.

[19] A. and C. J. Montesinos López Osval Antonio and Montesinos López, "Support Vector Machines and Support Vector Regression," in *Multivariate Statistical Machine Learning Methods for Genomic Prediction*, Cham: Springer International Publishing, 2022, pp. 337–378. doi: 10.1007/978-3-030-89010-0_9.

[20] A. Kar, N. Nath, U. Kemprai, and Aman, "Performance Analysis of Support Vector Machine (SVM) on Challenging Datasets for Forest Fire Detection," *International Journal of Communications, Network and System Sciences*, vol. 17, no. 02, pp. 11–29, 2024, doi: 10.4236/ijcns.2024.172002.

[21] Y. Amrozi, D. Yuliati, A. Susilo, N. Novianto, and R. Ramadhan, "Klasifikasi Jenis Buah Pisang Berdasarkan Citra Warna dengan Metode SVM," *Jurnal Sisfokom (Sistem Informasi dan Komputer)*, vol. 11, no. 3, pp. 394–399, Dec. 2022, doi: 10.32736/sisfokom.v11i3.1502.

[22] S. R. Prakash and P. N. Singh, "Background region based Face orientation prediction through HSV skin color model and K-Means clustering," *International Journal of Information Technology (Singapore)*, vol. 15, no. 3, pp. 1275–1288, Mar. 2023, doi: 10.1007/s41870-023-01174-1.

[23] G. Moreira, S. A. Magalhães, T. Pinho, F. N. Dos Santos, and M. Cunha, "Benchmark of Deep Learning and a Proposed HSV Colour Space Models for the Detection and Classification of Greenhouse Tomato," *Agronomy*, vol. 12, no. 2, Feb. 2022, doi: 10.3390/agronomy12020356.

[24] W. S. Admass, Y. Y. Munaye, and G. A. Bogale, "Convolutional neural networks and histogram-oriented gradients: a hybrid approach for automatic mango disease detection and classification," *International Journal of Information Technology (Singapore)*, vol. 16, no. 2, pp. 817–829, Feb. 2024, doi: 10.1007/s41870-023-01605-z.

[25] W. Zhou, S. Gao, L. Zhang, and X. Lou, "Histogram of Oriented Gradients Feature Extraction from Raw Bayer Pattern Images," *IEEE Transactions on Circuits and Systems II: Express Briefs*, vol. 67, no. 5, pp. 946–950, May 2020, doi: 10.1109/TCSII.2020.2980557.

[26] Rismiyati and H. A. Wibawa, "Snake Fruit Classification by Using Histogram of Oriented Gradient Feature and Extreme Learning Machine," in *2019 3rd International Conference on Informatics and Computational Sciences (ICICoS)*, 2019, pp. 1–5. doi: 10.1109/ICICoS48119.2019.8982528.

[27] A. B. Godbin and S. G. Jasmine, "Screening of COVID-19 Based on GLCM Features from CT Images Using Machine Learning Classifiers," *SN Comput Sci*, vol. 4, no. 2, Mar. 2023, doi: 10.1007/s42979-022-01583-2.

[28] M. R. Mahmoudi, M. H. Heydari, S. N. Qasem, A. Mosavi, and S. S. Band, "Principal component analysis to study the relations between the spread rates of COVID-19 in high risks countries," *Alexandria Engineering Journal*, vol. 60, no. 1, pp. 457–464, Feb. 2021, doi: 10.1016/j.aej.2020.09.013.