

DAFTAR PUSTAKA

- Aprilliani, F., Atmiasih, D., & Ristiono, A. (2021). Evaluasi tingkat kematangan buah alpukat (*Persea americana* Mill) dengan teknologi pengolahan citra. *Jurnal Penelitian Pascapanen Pertanian Universitas Nahdlatul Ulama Purwokerto*, 18(1), 1–8.
- Aventi. (2015). Penelitian pengukuran kadar air buah. *Seminar Nasional Cendekiawan*, 12–27.
- Badan Pusat Statistik. (2023). *Produksi tanaman buah-buahan*. Badan Pusan Statistik.
- Bayu, M. K., Rizqiati, H., & Nurwantoro. (2017). Analisis total padatan terlarut, keasaman, kadar lemak, dan tingkat viskositas pada kefir Optima dengan lama fermentasi yang berbeda. *Jurnal Teknologi Pangan Universitas Diponegoro*, 1(2), 33–38.
- Binus University Library. (2022). Region of interest. <http://library.binus.ac.id>
- Caleb, O. J., Mahajan, P. V., Manley, M., & Opara, U. L. (2013). *Evaluation of parameters affecting modified atmosphere packaging engineering design for pomegranate arils*. *International Journal of Food Science and Technology*. <https://doi.org/10.1111/ijfs.12220>
- Cameron, A. C., & Windmeijer, F. A. G. (1997). *The coefficient of determination: What determines a useful R^2 ?* *Journal of Econometrics*, 80(2), 329–342.
- Cox, K. A., McGhie, T. K., White, A., & Woolf, A. B. (2004). *Skin colour and pigment changes during ripening of “Hass” avocado fruit*. *Postharvest Biology and Technology*, 31(3), 287–294. <https://doi.org/10.1016/j.postharvbio.2003.09.008>
- Costa, L. D. F., & Marcondes Cesar, R. J. (2001). *Shape analysis and classification*. CRC Press.

- Daya, B., Asmara, Y., Wulaningrum, R., & Helilintar, R. (2023). Implementasi region of interest (ROI) untuk segmentasi citra tanda tangan. *Prosiding SEMNAS INOTEK*, 7, 1248.
- Fonseca, S. C., Oliveira, F. A. R., & Brecht, J. K. (2002). *Modelling respiration rate of fresh fruits and vegetables for modified atmosphere packages: A review*. *Journal of Food Engineering*, 52, 99–119.
- Gamble, J., Harker, F. R., Jaeger, S. R., White, A., Bava, C., Beresford, M., ... & Woolf, A. (2010). *The impact of dry matter, ripeness and internal defects on consumer perceptions of avocado quality and intentions to purchase*. *Postharvest Biology and Technology*, 57, 35–43.
- Guspa, M., Makky, M., & Cherie, D. (2024). *Non-destructive evaluation of oil and free fatty acid content of oil palm fresh fruit bunch based on thermal properties using partial least square (PLS)*. *Jurnal Teknik Pertanian Lampung*, 13(3), 772–781. <https://doi.org/10.23960/jtep-1.v13i3.772-781>
- Gonzalez, R. C., & Woods, R. E. (2018). *Digital image processing* (4th ed.). Pearson.
- Hariyadi, T. (2018). Pengaruh suhu operasi terhadap penentuan karakteristik pengeringan busa sari buah tomat menggunakan tray dryer. *Jurnal Pekayasa Proses*, 12(2), 104–113.
- Hasugian, A. H., & Zufria, I. (2018). Perancangan sistem restorasi citra dengan metode image inpainting. *Algoritma: Jurnal Ilmu Komputer dan Informatika*, 1.
- Hayati, D., Efendi, S., & Irawan, R. (2018). Diseminasi teknologi sambung pucuk pada alpukat Giri Maju di Kabupaten Pasaman Barat. *Jurnal Ilmiah Pengabdian kepada Masyarakat*, 2(2).
- Kader, A. A. (2002). *Postharvest Technology of Horticultural Crops*. University of California Agriculture and Natural Resources. <https://anrcatalog.ucanr.edu/pdf/3311.pdf>

- Kassim, A., Workneh, T. S., & Bezuidenhout, C. N. (2013). *A review on postharvest handling of avocado fruit*. *African Journal of Agricultural Research*, 8, 2385–2402.
- Kebede, M., Workneh, T. S., & Woldetsadik, K. (2014). *Infrared thermal imaging for nondestructive evaluation of maturity and ripeness of mango*. *Journal of Food Engineering*, 128, 12–20. <https://doi.org/10.1016/j.jfoodeng.2013.12.011>
- Kruger, F. J., Stassen, P. J. C., & Snijder, B. (1995). *The significance of oil and moisture as maturity parameters for avocados*. *Proceedings of the World Avocado Congress III*, 285–288.
- Kusumiyati, F., Sutari, W., Hamdani, J. S., & Mubarok, S. (2018). Pengaruh waktu simpan terhadap nilai total padatan terlarut, kekerasan, dan susut bobot buah mangga arumanis. *Jurnal Kultivasi Universitas Padjadjaran*, 12(3), 766–771.
- Liu, Y., Zhou, B., Qi, Y., Chen, X., Liu, C., Liu, Z., et al. (2017). *Expression differences of pigment structural genes and transcription factors explain flesh coloration in three contrasting kiwifruit cultivars*. *Frontiers in Plant Science*, 8, 1507.
- Lengkey, L. C. E. C., Budiastri, I. W., Seminar, K. B., & Purwoko, B. S. (2020). Model pendugaan kandungan air, lemak dan asam lemak bebas pada tiga provenan biji jarak pagar (*Jatropha curcas L.*) menggunakan spektroskopi inframerah dekat dengan metode partial least square (PLS). *Jurnal Penelitian Tanaman Industri*, 19(4), 203. <https://doi.org/10.21082/jlitri.v19n4.2013.203-211>
- Mafsoonazad, N., & Ramaswamy, H. S. (2008). *Effect of pectin-based coating on the kinetics of quality change associated with stored avocados*. *Journal of Food Processing and Preservation*, 32(4), 621–643. <https://doi.org/10.1111/j.1745-4549.2008.00203.x>
- Manickavasagan, A., Jayas, D. S., White, N. D. G., & Paliwal, J. (2005). *Applications of thermal imaging in agriculture: A*

- review. CSAE/SCGR Meeting Proceedings, Winnipeg, Manitoba.*
- Mardiyanti, S. (2022). Pengaruh Tingkat Kematangan dan Suhu Penyimpanan Terhadap Mutu Buah Alpukat Tongar (*Persea americana* Mill). [Skripsi]. Padang : Fakultas Teknologi Pertanian. Universitas Andalas.
- Marni, H., Fahmy, K., Hasan, A., & Ifmalinda. (2020). *Modelling respiration rate of chili for development of modified atmosphere packaging. IOP Conference Series: Earth and Environmental Science, 515(1)*. <https://doi.org/10.1088/1755-1315/515/1/012032>
- Martín, G. J. F. (2022). *Potential of near-infrared spectroscopy for the determination of olive oil quality. Sensors, 22(8)*, 2831.
- Mukhoffifah, & Nurraharjo, E. (2019). Sistem deteksi kematangan buah alpukat menggunakan metode pengolahan citra. *Dinamika Informatika, 11(1)*.
- Mushlih, M., & Rosyidah, R. (2020). *Statistika: Aplikasi di dunia kesehatan*. UMSIDA Press.
- Nisah, K., & Barat, Y. M. (2019). Efek *edible coating* pada kualitas alpukat (*Persea americana* Mill) selama penyimpanan. *Jurnal Sains dan Teknologi UIN Ar-Raniry, 1(1)*, 11–17.
- Otsu, N. (1979). *A threshold selection method from gray-level histograms. IEEE Transactions on Systems, Man, and Cybernetics, 9(1)*, 62–66.
- Pedreschi, R., Uarrota, V., Fuentealba, C., Alvaro, J. E., Olmedo, P., Defilippi, B. G., Meneses, C., & Campos-Vargas, R. (2019). Primary metabolism in avocado fruit. *Frontiers in Plant Science, 10*, 795. <https://doi.org/10.3389/fpls.2019.00795>
- Petersen, K. K., Kaack, K., & Kelsen, C. (2014). Predicting pear (cv. *Clara Frijs*) dry matter and soluble solids content with near infrared spectroscopy. *LWT - Food Science and Technology, 59(1)*, 242–248. <https://doi.org/10.1016/j.lwt.2014.04.057>

- Prasetyo, E. (2011). *Pengolahan citra digital dan aplikasinya menggunakan MATLAB*. Andi Offset.
- Putri, M. D. (2021). *Thermal image method sebagai pendekripsi berbagai tingkat kematangan buah dan korelasinya dengan mutu fisik dan kimia buah alpukat (Persea americana Mill)* [Skripsi, Universitas Lampung].
- Rahmatika Cahyaningprastiwi, S., Sarminah, S., & Kalimantan Timur, P. (2021). Karakteristik iklim mikro di Taman Sejati Kota Samarinda. *Jurnal Penelitian Ekosistem Dipterokarpa*, 7(1), 11–22.
- Rahmawati, R. (2010). *Khasiat dan cara olah alpukat*. Pustaka Baru Press.
- Ramadhan, Y. A., Faqih, A., & Dwilestari, G. (2023). Prediksi penjualan handphone di toko X menggunakan algoritma regresi linear. *Jurnal Informatika Terpadu Nurul Fikri*, 9(1), 40–44.
- Santosh, D. T., Tiwari, K. N., & Reddy, R. G. (2017). *Banana bunch covers for quality banana production—A review*. *International Journal of Current Microbiology and Applied Sciences*, 6(7), 1275–1291.
- Shoffan, S. S. Y. (2016). Analisis perbandingan pengolahan citra asli dan hasil cropping untuk identifikasi telur. *Jurnal Teknik Informatika dan Sistem Informasi*, 2(3), 341–350.
- Shoffan, S. S. A. (2017). Analisis ekstraksi ciri fertilitas telur ayam kampung dengan grey level co-occurrence matrix. *Jurnal Nasional Teknik Elektro*.
- Sohrabi, M. M., Ahmadi, E., & Monavar, H. M. (2018). *Nondestructive analysis of packaged grape tomatoes quality using PCA and PLS regression by means of fiber optic spectroscopy during storage*. *Journal of Food Measurement and Characterization*, 12, 2077–2085.
<https://doi.org/10.1007/s11694-017-9710-3>
- Suhardiman, P. (1997). *Budidaya pisang Cavendish*. Kanisius.
- Sulistiyanti, S. R., Setyawan, F. X. A., & Yudamson, A. (2016).

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Teknosian.

- Sumonsiri, N., & Barringer, S. A. (2014). *Fruits and vegetables – Processing technologies and applications*. Academic Press.
- Sumriddetchkajorn, S., & Intaravanne, Y. (2013). *Two dimensional fruit ripeness estimation using thermal imaging*. Proceedings of SPIE - The International Society for Optical Engineering, 8883, 1C.
- Sunardi, A. Y. (2017). Thermal imaging untuk identifikasi telur. In *Seminar Nasional Pascasarjana Perguruan Tinggi Muhammadiyah (APPPTM)* (pp. 152–158).
- Téllez-Pérez, C., et al. (2020). *Color changes and chlorophyll degradation in avocado cv. Hass during ripening and their relationship with ethylene and temperature*. *Postharvest Biology and Technology*, 168, 111258. <https://doi.org/10.1016/j.postharvbio.2020.111258>
- Wahyudi, J., & Saputra, R. H. (2016). Penentuan korelasi tingkat kematangan buah alpukat (*Persea americana* Mill) terhadap gravitas spesifik. *Jurnal Ilmu dan Teknologi Pertanian Universitas Dehasen*, 2(2), 153–164.
- Wang, Y. X., Wang, X. J., Cao, Y., Zhong, M. S., Zhang, J., & Tao, S. T. (2022). *Chemical composition and morphology of apple cuticular wax during fruit growth and development*. *Fruit Research*, 2, 1–12.
- Widodo, S. E., Waluyo, S., Karyanto, A., Zulferiyeni, Z., Febrianingrum, N., Latansya, R., & Putri, M. D. (2023). Aplikasi *thermal image* pendekripsi tingkat kematangan buah pisang dan apokat. *Jurnal Agrotek Tropika*, 11(2), 165–178. <https://doi.org/10.23960/jat.v11i2.6168>
- Wills, R. B. H., McGlasson, W. B., Graham, D., & Joyce, D. C. (1998). *Postharvest: An Introduction to the Physiology and Handling of Fruit, Vegetables and Ornamentals* (4th ed.). CAB International.
- Workneh, T. S., & Woldetsadik, K. (2015). *Effect of maturity stage*

*on postharvest quality of avocado fruit. Journal of Food Science and Technology, 52(5), 2736–2744.
<https://doi.org/10.1007/s13197-014-1302-6>*

Wu, C. T., Roan, S. F., Hsiung, T. C., Chen, I. Z., Shyr, J. J., & Wakana, A. (2011). *Effect of harvest maturity and heat pretreatment on the quality of low temperature storage avocados in Taiwan. Journal of the Faculty of Agriculture, Kyushu University, 56(2), 255–262.*

