

DAFTAR PUSTAKA

- Abdullahi, M. (2014). A Study in the Variability of Some Nutrient Contents of Watermelon (*Citrullus Lanatus*) Before and after Ripening Consumed Within Kano. *Internation Journal of Science and Research*, 3(5), 2012–2015.
- Agromedia. (2007). *Budi Daya Melon* (Edisi Pert). PT Agromedia Pustaka.
- Agusta, W., & Ahmad, U. (2016). Study on Golden Apollo Melon Ripeness Level Using Acoustic Impulse Parameters. *Jurnal Keteknikaan Pertanian*, 04(2), 1–8. <https://doi.org/10.19028/jtep.04.2.195-202>
- Ahmad, U., & Sabihah, . (2018). Prediction of Ripeness Parameters of Melon Fruit Using Near Infra-red Spectroscopy. *Jurnal Ilmu Pertanian Indonesia*, 23(3), 183–189. <https://doi.org/10.18343/jipi.23.3.183>
- Aini, D. H. N., Kurniasari, D., Nuryaman, A., Usman, M., & Matematika dan Ilmu Pengetahuan Alam, F. (2023). Implementation of Artificial Neural Network With Backpropagation Algorithm for Rating Classification on Sales of Blackmores in Tokopedia. *Jurnal Teknik Informatika (JUTIF)*, 4(2), 365–372. <https://doi.org/10.52436/1.jutif.2023.4.2.539>
- Albert Wei, D., Hajdini, E., Heinrich, M., & Osman, A. (2020). CNN for Ripeness Classification of Watermelon Fruits Based on Acoustic Testing. *Proceedings of the Virtual 3rd International Symposium on Structural Health Monitoring and Nondestructive Testing (SHM-NDT 2020)*, 25–26. <http://www.ndt.net/?id=25569>
- Annisa, P., & Gustia, H. (2018). Respon Pertumbuhan dan Produksi Tanaman Melon Terhadap Pemberian Pupuk Organik Cair Tithonia diversifolia. *Prosiding SEMNASTAN*, 104–114. <https://jurnal.umj.ac.id/index.php/semnastan/article/view/2265>
- Anonim. (2013). Standar Nasional Indonesia (SNI) Melon. SNI 7783:2013. In *Badan Standardisasi Nasional*.
- Astuti. (2007). *Budi Daya Melon* (Edisi Pert). AgroMedia Pustaka.
- Ayu, F. (2019). Implementasi Jaringan Saraf Tiruan Untuk Menentukan Kelayakan Proposal Tugas Akhir. *It Journal Research and Development*, 3(2), 44–53. [https://doi.org/10.25299/itjrd.2019.vol3\(2\).2271](https://doi.org/10.25299/itjrd.2019.vol3(2).2271)
- Canestrino, G. (2021). Considerations on Optimization as an Architectural Design Tool. *Nexus Network Journal*, 23(4), 919–931. <https://doi.org/10.1007/s00004-021-00563-y>
- Chamidah, N., Jurusan Teknik Informatika, W., Salamah, U., & Kunci Backpropagasi, K. (2012). Pengaruh Normalisasi Data pada Jaringan Syaraf Tiruan Backpropagasi Gradient Descent Adaptive Gain (BPGDAG) untuk Klasifikasi. *Jurnal Itsmart*, 1(1), 28–33.
- Chauhan, O. P., Lakshmi, S., Pandey, A. K., Ravi, N., Gopalan, N., & Sharma, R. K. (2017). Non-destructive Quality Monitoring of Fresh Fruits and Vegetables. *Defence Life Science Journal*, 2(2), 103. <https://doi.org/10.14429/dlsj.2.11379>
- Cho, B. H., Lee, K. B., Hong, Y., & Kim, K. C. (2022). Determination of Internal Quality Indices in Oriental Melon Using Snapshot-Type Hyperspectral Image and Machine Learning Model. *Agronomy*, 12(9).

- <https://doi.org/10.3390/agronomy12092236>
- Chung, W. Y., Purwar, A., & Sharma, A. (2008). Frequency domain approach for activity classification using accelerometer. *Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS'08 - "Personalized Healthcare through Technology," February*, 1120–1123. <https://doi.org/10.1109/iembs.2008.4649357>
- Cynthia, E. P., & Ismanto, E. (2018). Memprediksi Ketersediaan Komoditi Pangan Provinsi Riau. *Jurnal Teknologi Dan Sistem Informasi Univrab*, 2(2), 196–209.
- Dananjaya, R. H., Sutrisno, S., & Fitriady, S. (2022). Penerapan Artificial Neural Network (Ann) Dalam Memprediksi Kapasitas Dukung Fondasi Tiang. *Matriks Teknik Sipil*, 10(4), 419. <https://doi.org/10.20961/mateksi.v10i4.65034>
- Darvishi, E., Khotanlou, H., Khoubi, J., Giah, O., & Mahdavi, N. (2017). Prediction Effects of Personal, Psychosocial, and Occupational Risk Factors on Low Back Pain Severity Using Artificial Neural Networks Approach in Industrial Workers. *Journal of Manipulative and Physiological Therapeutics*, 40(7), 486–493. <https://doi.org/10.1016/j.jmpt.2017.03.012>
- Dempster, J. (2001). Signal Analysis and Measurement. In *The Laboratory Computer* (pp. 136–171). <https://doi.org/10.1016/B978-012209551-1/50039-8>
- Effendi, M., Fitriyah, F., & Effendi, U. (2017). Identifikasi Jenis dan Mutu Teh Menggunakan Pengolahan Citra Digital dengan Metode Jaringan Syaraf Tiruan. *Jurnal Teknotan*, 11(2), 67. <https://doi.org/10.24198/jt.vol11n2.7>
- Finaliamartha, D., Supriyadi, D., Banyumas, K., Korespondensi, P., Terbuka, T. P., Manusia, P., & Kemiskinan, T. (2022). Untuk Prediksi Tingkat Kemiskinan Di Provinsi Jawa Tengah Implementation of Backpropagation Artificial Neural Network. *Jurnal Teknologi Informasi Dan Ilmu Komputer (JTIK)*, 9(4), 751–760. <https://doi.org/10.25126/jtiik.202294806>
- Firmansyah, A. F., Gunawan, A. I., Sulistijono, I. A., & Hanurawan, D. (2022). Pengukuran Nilai Densitas pada Minyak Pelumas Sepeda Motor dengan Gelombang Ultrasonik. *Jurnal Rekayasa Elektrika*, 18(1). <https://doi.org/10.17529/jre.v18i1.24919>
- Gardjito, M., & Handayani, W. (2015). *Penanganan Segar Hortikultura Untuk Penyimpanan dan Pemasaran* (Edisi Pert). Kencana. [https://www.google.co.id/books/edition/Penanganan_Segar_Hortikultura_Untuk_Peny/b_vMDwAAQBAJ?hl=en&gbpv=1&dq=pengertian+matang+\(ripe\)+adalah&pg=PA261&printsec=frontcover](https://www.google.co.id/books/edition/Penanganan_Segar_Hortikultura_Untuk_Peny/b_vMDwAAQBAJ?hl=en&gbpv=1&dq=pengertian+matang+(ripe)+adalah&pg=PA261&printsec=frontcover)
- Ghazanfari, B., Afghah, F., & Hajiaghayi, M. (2020). Inverse Feature Learning: Feature Learning Based on Representation Learning of Error. *IEEE Access*, 8, 132937–132949. <https://doi.org/10.1109/ACCESS.2020.3009902>
- Ginting, Ari Purnama; Barus, Asil; Sipayung, R. (2017). Pertumbuhan dan Produksi Melon (Cucumis meloL.) terhadap Pemberian Pupuk NPK dan Pemangkasan Buah Growth and Production of Melon (Cucumis melo L.)by Giving NPK Fertilizer and Fruit Prunning. *Oktober*, 5(4), 786–798.
- Gudivada, A. A., & Sudha, G. F. (2022). STQCA-FFT: A fast fourier transform

- architecture using stack-type QCA approach with power and delay reduction. *Journal of Computational Science*, 60(February), 101594. <https://doi.org/10.1016/j.jocs.2022.101594>
- Huda, A. N., Suwarno, W. B., & Maharijaya, D. A. (2019). Karakteristik Buah Melon (Cucumis melo L.) pada Lima Stadia Kematangan. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, 46(3), 298–305. <https://doi.org/10.24831/jai.v46i3.12660>
- Imran, M., & Demak, N. A. K. (2018). Analisa Kenyamanan Akustik pada Ruang Karaoke di Kota Manado. *RADIAL - JuRnal PerADaban SaIns, Rekayasa Dan TeknoLogi*, 6(1), 69–83.
- Irwansyah, E., & Faisal, M. (2015). *Advanced Clustering*. Deepublish Publisher.
- Jading, A., Bintoro, N., Sutiarso, L., & Nugroho Wahyu Karyadi, J. (2017). Model Jaringan Syaraf Tiruan Untuk Memprediksi Kadar Air Bahan Pada Pneumatic Conveying Recirculated Dryer. *Jurnal Teknologi Industri Pertanian*, 27(2), 141–151. <https://doi.org/10.24961/j.tek.ind.pert.2017.27.2.141>
- Juansah, J., Budiastara, I. W., & Suroso. (2006). *Pengembangan Sistem Pengukuran Gelombang Ultrasonik Untuk Penentuan Kualitas Buah Manggis (Gracinia mangostana L.)*. 2(2), 167–178.
- Karthickumar, P., Sinija, V. R., Alagusundaram, K., & Yadav, B. K. (2018). Evaluation of muskmelon ripening based on acoustic response. *Journal of Applied Horticulture*, 20(2), 125–128. <https://doi.org/10.37855/JAH.2018.V20I02.22>
- Kencanawati, C. I. P. K. (2017). Akustik, Noise dan Material Penyerap Suara. In *Fakultas Teknik Universitas Udayana*.
- Khairi, A. N., Falah, A. F., & Pamungkas, A. P. (2017). Analisis Mutu Pascapanen Melon (Cucumis melo L.) Kultivar Glamour Sakata Selama Penyimpanan. *CHEMICA: Jurnal Teknik Kimia*, 4(2), 47. <https://doi.org/10.26555/chemica.v4i2.9249>
- Khairunnisa. (2019). PENGARUH KENYAMANAN AKUSTIK DI RUANG KELAS FAKULTAS TEKNIK UNIVERSITAS MUHAMMADIYAH BANJARMASIN (The Acoustic Comfort Effect on the classroom of Engineering Faculty, University of Muhammadiyah Banjarmasin). *Jurnal Arsitektur, Manusia, Dan Lingkungan (Jamang)*, 1(2), 67–69. <http://journal.umbjm.ac.id/index.php/jamang/67>
- Khoshnam, F., Namjoo, M., & Golbakhshi, H. (2015). Acoustic testing for melon fruit ripeness evaluation during different stages of ripening. *Agriculturae Conspectus Scientificus*, 80(4), 197–204.
- Khoshnam, F., Namjoo, M., Golbakhshi, H., & Dowlati, M. (2016). Physical and mechanical changes in ripening melon fruits. *Yuzuncu Yil University Journal of Agricultural Sciences*, 26(2), 135–144.
- Kusumaliski, N. (2015). *Pengembangan Metode Deteksi Kematangan Melon (Cucumis melo L.) Dengan Respon Impuls Akustik* [Institut Pertanian Bogor]. <http://repository.ipb.ac.id/handle/123456789/75439>
- Li, H., Kang, J., Feng, L., Yue, J., Hou, Y., & Wu, B. (2022). Phase extraction of optical carrier-based microwave interferometry with all-phase fast Fourier transform for distance measurement. *Optics and Lasers in Engineering*,

- 156(March), 107090. <https://doi.org/10.1016/j.optlaseng.2022.107090>
- Lingireddy, S., & Brion, G. M. (2005). *Artificial Neural Network In Water Supply Engineering*. American Society of Civil Engineers. https://books.google.co.id/books?id=TR1XfrOn0H4C&pg=PA67&source=gs_selected_pages&cad=2#v=onepage&q&f=false
- Lownds, N. K., Banaras, M., & Bosland, P. W. (1994). Postharvest water loss and storage quality of nine pepper (*Capsicum*) cultivars. *HortScience*, 29(3), 191–193. <https://doi.org/10.21273/hortsci.29.3.191>
- Manchali, S., Murthy, K. N. C., Vishnuvardana, & Patil, B. S. (2021). Nutritional composition and health benefits of various botanical types of melon (*Cucumis melo* L.). *Plants*, 10(9), 1–21. <https://doi.org/10.3390/plants10091755>
- Margianasari, A. F. (2012). *Bertanam Melon Eksklusif dalam Pot*. Penebar Swadaya.
- Marwan, Konadi, W., Kamarudin, Sufi, I., & Akmal, Y. (2023). *Analisis Jalur & Aplikasi SPSS Versi 25* (Azhari (ed.); Edisi ke-2). CV. Merdeka Kreasi Group. https://www.google.co.id/books/edition/Analisis_Jalur_dan_Aplikasi_SPSS_Versi_2/D5jCEAAAQBAJ?hl=en&gbpv=1&dq=uji+normalitas+adalah&pg=PA52&printsec=frontcover
- Maulidah, N. I., & Ashari, S. (2017). Pengaruh Tingkat Kematangan Dan Lama Pengeringan Terhadap Mutu Benih Gambas Hibrida (*Luffa acutangula*). *Jurnal Produksi Tanaman*, 5(3), 417–423. <https://media.neliti.com/media/publications/>
- Mia, M. R., Mia, M. J., Majumder, A., Supriya, S., & Habib, M. T. (2019). Computer vision based local fruit recognition. *International Journal of Engineering and Advanced Technology*, 9(1), 2810–2820. <https://doi.org/10.35940/ijeat.A9789.109119>
- Muchtadi, T., Sugiyono, & Ayustaningwarno, F. (2011). *Ilmu Pengetahuan Bahan Pangan* (Cetakan 3, Issue November). CV. Alfabeta.
- Mustika, Ardilla, Y., Manuhutu, A., & Ahmad, N. (2021). *Data Mining dan Aplikasinya* (N. Rismawati (ed.); Cetakan Pe). Penerbit Widina Bhakti Persada. https://www.google.co.id/books/edition/DATA_MINING_DAN_APLIKASINYA/53FXEAAAQBAJ?hl=en&gbpv=1&dq=pengertian+confusion+matrix&pg=PA202&printsec=frontcover
- Nahari, R. V., & Putro, S. S. (2017). *Dasar Komputasi Cerdas* (Cetakan I). Media Nusa Creative.
- Ng, J., & Goldberger, J. J. (2007). Understanding and interpreting dominant frequency analysis of AF electrograms. *Journal of Cardiovascular Electrophysiology*, 18(6), 680–685. <https://doi.org/10.1111/j.1540-8167.2007.00832.x>
- OECD. (2014). International Standards for fruit and vegetables: Melons. In *Organisation for Economic Co-operation and Development*. https://www.oecd-ilibrary.org/agriculture-and-food/melons_9789264213289-en-fr
- Pamungkas, W. A., & Bintoro, N. (2021). KARAKTERISTIK KEMATANGAN BUAH MELON ‘PREMIER’ (*Cucumis melo* L.) BERDASARKAN SIFAT

- AKUSTIK. *Agrointek : Jurnal Teknologi Industri Pertanian*, 15(3), 715–727.
<https://doi.org/10.21107/agrointek.v15i3.9621>
- Pathaveerat, S., Terdwongworakul, A., & Phaungsombut, A. (2008). Multivariate data analysis for classification of pineapple maturity. *Journal of Food Engineering*, 89(2), 112–118. <https://doi.org/10.1016/j.jfoodeng.2008.04.012>
- Permatasari, Z., & Sifaunajah, A. (2019). *Jaringan Saraf Tiruan Propagansi Balik untuk Klasifikasi Data*. LPPM. https://www.google.co.id/books/edition/Jaringan_Syaraf_Tiruan_Propagasi_Balik_u/qat-EAAAQBAJ?hl=en&gbpv=1&dq=jaringan+syaraf+tiruan&pg=PA5&printsec=frontcover
- Phey, O., Hashim, N., & Maringgal, B. (2020). Quality evaluation of mango using non-destructive approaches: A review. *Journal of Agricultural and Food Engineering*, 1(1), 1–8. <https://doi.org/10.37865/jafe.2020.0003>
- Putri, W. D. R., Sunarharum, W. B., & Wulandari, E. S. (2022). *Tepung Buah dan Sayur: Pengolahan dan Pemanfaatannya* (Cetakan Pe). UB Press. [https://www.google.co.id/books/edition/Tepung_Buah_dan_Sayur/rXCyEAAQBAJ?hl=en&gbpv=1&dq=pengertian+matang+\(ripe\)+buah+adalah&pg=PA34&printsec=frontcover](https://www.google.co.id/books/edition/Tepung_Buah_dan_Sayur/rXCyEAAQBAJ?hl=en&gbpv=1&dq=pengertian+matang+(ripe)+buah+adalah&pg=PA34&printsec=frontcover)
- Putro, L. H. S. (2021a). *Biometana dari Air Limbah Pabrik Pengolahan Kelapa Sawit* (Cetakan Pe). PT Rajagrafindo Persada. https://www.google.co.id/books/edition/Biometana_dari_Air_Limbah_Pabrik_Pengola/drStEAAAQBAJ?hl=en&gbpv=1&dq=mse+adalah&pg=PA135&printsec=frontcover
- Putro, L. H. S. (2021b). *Biometana dari Air Limbah Pabrik Pengolahan Kelapa Sawit* (I. Vidyafi (ed.); Cetakan Pe, Issue March). Rajawali Press.
- Roy, N. B., & Bhattacharya, K. (2022). Application of Signal Processing Tools and Artificial Neural Network in Diagnosis of Power System Faults. In *Nucl. Phys.* (Vol. 13, Issue 1). CRC Press.
- Salman, A. G. (2011). *Implementasi Jaringan Syaraf Tiruan Recurrent Dengan Metode Pembelajaran Gradient Descent Adaptive Learning Rate untuk Pendugaan Curah Hujan*. 2011(Snati), 17–18.
- Saltveit, M. E. (2011). Melon (*Cucumis melo* L.). In *Postharvest Biology and Technology of Tropical and Subtropical Fruits* (Vol. 4). Woodhead Publishing Limited. <https://doi.org/10.1533/9780857092618.31>
- Sanchez, P. D. C., Hashim, N., Shamsudin, R., & Mohd Nor, M. Z. (2020). Applications of imaging and spectroscopy techniques for non-destructive quality evaluation of potatoes and sweet potatoes: A review. *Trends in Food Science and Technology*, 96(April 2019), 208–221. <https://doi.org/10.1016/j.tifs.2019.12.027>
- Saputro, I. W., & Sari, B. W. (2020). Uji Performa Algoritma Naïve Bayes untuk Prediksi Masa Studi Mahasiswa. *Creative Information Technology Journal*, 6(1), 1. <https://doi.org/10.24076/citec.2019v6i1.178>
- Setiawan, S. (2019). Analisis Korelasi dan Regresi Linier Sederhana Dengan SPSS Versi 24. In *Statistik* (Vol. 21, Issue August).
- Setiawan, W. (2021). *Kecerdasan Komputasional: Deep Learning untuk Image dan*

- Speech Recognition*. Media Nusa Creative.
- Setiawati, R., & Bafdal, N. (2020). Dampak Kualitas Air Tanah Terhadap Kualitas Melon (Cucumis Melo L.). *Agrotekma: Jurnal Agroteknologi Dan Ilmu Pertanian*, 4(2), 83–93. <https://doi.org/10.31289/agr.v4i2.2868>
- Seymour, G. ., Taylor, J. ., & Tucker, G. . (2012). *Biochemistry of Fruit Ripening*. Springer Science Business Media.
- Sipasulta, R. Y., Lumenta, A. S. M., & Sompie, S. R. U. A. (2014). Simulasi Sistem Pengacak Sinyal Dengan Metode Fft (Fast Fourier Transform). *E-Journal Teknik Elektro Dan Komputer*, 3(2), 1–9.
- Siska, D. (2019). Analisa Kebisingan dan Studi Akustik dalam Tatanan Bangunan. *Jurnal Arsitekno*, 6(6), 33. <https://doi.org/10.29103/arj.v6i6.1228>
- Sobir, & Firmansyah. (2010). *Budi Daya Melon Unggul*. Penebar Swadaya.
- Suci Amaliah, Nusrang, M., & Aswi, A. (2022). Penerapan Metode Random Forest Untuk Klasifikasi Varian Minuman Kopi di Kedai Kopi Konijiwa Bantaeng. *VARIANSI: Journal of Statistics and Its Application on Teaching and Research*, 4(3), 121–127. <https://doi.org/10.35580/variansiunm31>
- Sudarsono, A. (2016). Jaringan Syaraf Tiruan untuk Memprediksi Laju Pertumbuhan Penduduk Menggunakan Metode Backpropagation (Studi Kasus di Kota Bengkulu). *Jurnal Media Infotama*, 12(1), 61–69.
- Sujin, P., Jaewook, L., Mincheol, C., & Huisu, J. (2017). Predictability of machine learning techniques to forecast the trends of market index prices: Hypothesis testing for the Korean stock markets. *PLoS ONE*, 12(11), 1–17. <https://doi.org/https://doi.org/10.1371/journal.pone.0188107>
- Sun, T., Huang, K., Xu, H., & Ying, Y. (2010). Research advances in nondestructive determination of internal quality in watermelon/melon: A review. *Journal of Food Engineering*, 100(4), 569–577. <https://doi.org/10.1016/j.jfoodeng.2010.05.019>
- Sutha, D. W. (2019). *Buku Ajar Biostatistika* (Amirullah (ed.); Cetakan 1). Media Nusa Creative. <https://www.google.co.id/books/edition/Biostatistika/HVFKEAAAQBAJ?hl=en&gbpv=1>
- Sutoyo, E., & Fadlurrahman, M. A. (2020). Penerapan SMOTE untuk Mengatasi Imbalance Class dalam Klasifikasi Television Advertisement Performance Rating Menggunakan Artificial Neural Network. *Jurnal Edukasi Dan Penelitian Informatika (JEPIN)*, 6(3), 379. <https://doi.org/10.26418/jp.v6i3.42896>
- Sutrisno, A., Sutrisno, S., & Ahmad, U. (2017). Detection of Cilembu Sweet Potatos Damage Caused by Cylas formicarius Fabricius (Coleoptera: Brentidae) Using Ultrasonic Wave. *Jurnal Keteknik Pertanian*, 05(1), 65–72. <https://doi.org/10.19028/jtep.05.1.65-72>
- Tasnim, A., Saiduzzaman, M., Rahman, M. A., Akhter, J., & Rahaman, A. S. M. M. (2022). Performance Evaluation of Multiple Classifiers for Predicting Fake News. *Journal of Computer and Communications*, 10(09), 1–21. <https://doi.org/10.4236/jcc.2022.109001>
- Tiplica, T., Verron, S., Grémy-Gros, C., Vandewalle, P., & Mehinagic, E. (2015). On the quality of acoustical measures when evaluating fruits quality.

- International Journal of Metrology and Quality Engineering*, 6(2).
<https://doi.org/10.1051/ijmqe/2015007>
- Umar, H. B. (2009). Principal Component Analysis (PCA) dan Aplikasinya dengan SPSS. *Jurnal Kesehatan Masyarakat*, 3(2), 97–101.
- Wedding, B. (2018). *The non-invasive assessment of avocado maturity and quality*.
<https://doi.org/10.25903/5e969687c22e8>
- Widiastuti, H. (2021). *Dasar Penanganan Bahan Hasil Pertanian dan Perikanan* (R. Fitria (ed.); Cetakan Pe). Penerbit Mitra Cendekia Media.
https://www.google.co.id/books/edition/Dasar_Penanganan_Bahan_Hasil_Pertanian_d/5_LNEAAQBAJ?hl=en&gbpv=1
- YAMAMOTO, H., IWAMOTO, M., & HAGINUMA, S. (1980). Acoustic Impulse Response Method for Measuring Natural Frequency of Intact Fruits and Preliminary Applications To Internal Quality Evaluation of Apples and Watermelons. *Journal of Texture Studies*, 11(2), 117–136.
<https://doi.org/10.1111/j.1745-4603.1980.tb00312.x>
- Yao, P., & Zhou, K. (2017). Application of short time energy analysis in monitoring the stability of arc sound signal. *Measurement: Journal of the International Measurement Confederation*, 105, 98–105.
<https://doi.org/10.1016/j.measurement.2017.04.015>