

DAFTAR PUSTAKA

- Abdillah, M. A. (2023). *Klasifikasi Tingkat Kematangan Buah Kelapa Menggunakan Deep Learning Berbasis Fitur Akustik*. (Skripsi Sarjana, Universitas Negeri Jakarta).
- Abdul, Z. K., & Al-Talabani, A. K. (2022). Mel frequency cepstral coefficient and its applications: a review. *IEEE Access*, *10*, 122136–122158.
- Adam, M., & Harahap, P. (2020). Unjuk kerja generator clock sinyal low pass filter, pam multiplexing pada rangkaian percobaan pulse code modulation (PCM) aplikasi pada laboratorium dasar sistem telekomunikasi. *R E L E (Rekaya Elektrikal dan Energi): Jurnal Teknik Elektro*, *2*(2), 51–57.
- Adhiva, J., Mustakim, M., Suryani, P. 2021. Pengembangan sistem informasi konversi kelapa di Kabupaten Indragiri Hilir-Riau. *Building of Informatics, Technology and Science (BITS)*, *3*(3), 213–219.
- Ajrin, G. F., Magdalena, R., & Hidayat, B. (2022). Identifikasi dialek suku bangsa menggunakan metode mel-frequency cepstral coefficient dan zero crossing rate dengan deep neural network classifier. *e-Proceeding of Engineering Universitas Telkom*, 2958–2962.
- Ambarwari, A., Adrian, Q. J., & Heridyeni, Y. (2020). Analisis pengaruh data scaling terhadap performa algoritme machine learning untuk identifikasi tanaman. *JURNAL RESTI (Rekayasa Sistem dan Teknologi Informasi)*, *4*(1), 117–122.
- Annur, H. (2018). Klasifikasi masyarakat miskin menggunakan metode naïve bayes. *ILKOM Jurnal Ilmiah*, *10*(2), 160–165.
- Ashari, M. I., Faradisa, I. S., & Ardita, M. (2015). Analisa audio stereo encoder untuk pemancar radio siaran FM. *Seminar Nasional Sains dan Teknologi Terapan III Institut Teknologi Adhi Tama Surabaya*, 7–16.
- Balakit, R. B., Cruz, J. C. D., Cardona, H. K. M., Contreras, C. A. S., Mazaredo, A. G., Nohay, M. A., Nunez, D. A. I., & Pasahol, L. N. P. (2022). Design and development of a fast fourier transform-based coconut meat type detector through sound signatures. *2022 IEEE 3rd Global Conference for Advancement in Technology (GCAT)*, 1–7.

- Barfian, E., Iswanto, B. H., & Isa, S. M. (2017). Twitter pornography multilingual content identification based on machine learning. *Procedia Computer Science*, 116, 129–136.
- Bukhari, Leni, D., Ikbal, Fardina, & Sumiati, F. (2022). Modifikasi mesin pengupas serabut kelapa. *SURYA TEKNIKA*, 9(2), 450–455.
- Caelen, O. (2017). A bayesian interpretation of the confusion matrix. *Annals of Mathematics and Artificial Intelligence*, 81(4), 429–450.
- Caladcad, J. A., Cabahug, S., Catamco, M. R., Villaceran, P. E., Cosgafa, L., Cabizares, K. N., Hermosilla, M., & Piedad, E. J. (2020). Determining philippine coconut maturity level using machine learning algorithms based on acoustic signal. *Computers and Electronics in Agriculture*, 172, 1–10.
- Chen, S., Zhong, Y., & Du, R. (2022). Automatic composition of Guzheng (Chinese Zither) music using long short-term memory network (LSTM) and reinforcement learning (RL). *Scientific Reports*, 12(1). 15829.
- Dikin, A. (2021). *Statistik Perkebunan Unggulan Nasional 2019-2021*. Direktorat Jenderal Perkebunan Kementerian Pertanian Republik Indonesia.
- Fadchar, N. A., & Cruz, J. C. Dela. (2020). Design and development of a neural network – based coconut maturity detector using sound signatures. *IEEE 7th International Conference on Industrial Engineering and Applications (ICIEA)*, 927–931.
- Faruqi, U. Al. (2019). Survey paper: future service in industry 5.0. *Jurnal Sistem Cerdas*, 2(1), 67–79.
- Hafizhahullah, H. (2023). *Pengenalan Perintah Suara Berbasis Hybrid Deep Learning dengan Metode Ekstraksi Ciri Berbasis Power-Law*. (Skripsi Sarjana, Universitas Negeri Jakarta).
- Helmiyah, S., Fadlil, A., & Yudhana, A. (2018). Pengenalan pola emosi manusia berdasarkan ucapan menggunakan ekstraksi fitur mel-frequency cepstral coefficients (MFCC). *Cogito Smart Journal*, 4(2), 372–381.
- Heriyanto, Hartati, S., & Putra, A. E. (2018). Ekstraksi ciri mel frequency cepstral coefficient (MFCC) dan rerata coefficient untuk pengecekan bacaan Al-Qur'an. *TELEMATIKA*, 15(2), 99–108.

- Huang, S., Nianguang, C. A. I., Penzuti Pacheco, P., Narandes, S., Wang, Y., & Xu, W. (2018). Applications of support vector machine (SVM) learning in cancer genomics. *Cancer Genomics and Proteomics*, 15(1), 41–51.
- Ignacio, I. F., & Miguel, T. S. (2021). Research opportunities on the coconut (*Cocos nucifera* L.) using new technologies. *South African Journal of Botany* 141, 414–420.
- Indriani, N., Rainarli, E., & Dewi, K. E. (2017). Peringkasan dan support vector machine pada klasifikasi dokumen. *Jurnal Infotel*, 9(4), 416–421.
- Jacobus, A., Ruindungan, D. G., & Litouw, J. I. (2019). Penerapan algoritma fast fourier transform dan k-nearest neighbor pada pengklasifikasian kualitas telur puyuh. *Jurnal Teknik Elektro Dan Komputer*, 8(3), 219–226.
- Jondya, A. G., & Iswanto, B. H. (2017). Indonesian's traditional music clustering based on audio features. *Procedia Computer Science*, 116, 174–181.
- Karimzadeh, F., Esmaili, S., & Hosseinian, S. H. (2015). A novel method for noninvasive estimation of utility harmonic impedance based on complex independent component analysis. *IEEE Transactions on Power Delivery*, 30(4), 1843–1852.
- Khairunnisa, Nurkamilia, & Zuraidah. (2018). Analisis signal-to-noise ratio pada sinyal audio dengan teknik konvolusi. *Jurnal ELTIKOM*, 2(2), 78–86.
- Kherif, F., & Latypova, A. (2019). Principal component analysis. In A. Mechelli & S. Vieira (Eds.), *Machine Learning: Methods and Applications to Brain Disorders* (1st ed., pp. 209–225). Elsevier.
- Kim, C., & Stern, R. M. (2016). Power-normalized cepstral coefficients (PNCC) for robust speech recognition. *IEEE/ACM Transactions on Audio Speech and Language Processing*, 24(7), 1315–1329.
- Kurzekar, P. K., Deshmukh, R. R., Waghmare, V. B., & Shrishrimal, P. P. (2014). A comparative study of feature extraction techniques for speech recognition system. *International Journal of Innovative Research in Science, Engineering and Technology*, 3(12), 18006–18016.

- Liakos, K. G., Busato, P., Moshou, D., Pearson, S., & Bochtis, D. (2018). Machine learning in agriculture: a review. In *Sensors (Switzerland)* (Vol. 18, Issue 8, pp. 1–29). MDPI AG.
- Manly, B. F., & Alberto, J. A. N. (2016). *Multivariate Statistical Methods A Primer Fourth Edition* (4th ed.). Taylor & Francis Group.
- Mardiatmoko, G., & Ariyanti, M. (2018). *Produksi Tanaman Kelapa (Cocos nucifera L.)*. Badan Penerbit Fakultas Pertanian Universitas Pattimura.
- Marutho, D. (2019). Perbandingan metode naïve bayes, knn, decision tree pada laporan water level jakarta. *Jurnal Ilmiah Infokam*, 15(2), 90–97.
- Matin, A., Bhuiyan, R. A., Shafi, S. R., Kundu, A. K., & Islam, M. I. (2019). A hybrid scheme using pca and ica based statistical feature for epileptic seizure recognition from eeg signal. In *2019 Joint 8th International Conference on Informatics, Electronics & Vision (ICIEV) and 2019 3rd International Conference on Imaging, Vision & Pattern Recognition (IcIVPR)*, 301–306.
- Megalingam, R. K., Manoharan, S. K., Babu, D. H. T. A., Sriram, G., Lokesh, K., & Sudheesh, S. K. (2023). Coconut trees classification based on height, inclination, and orientation using MIN-SVM algorithm. *Neural Computing and Applications*, 35(16), 12055–12071.
- Nafi'ah, W. A., & Mitrayana. (2015). Deteksi frekuensi akustik pada buah kelapa magelang (cocos nucifera) menggunakan software spectra PLUS-DT. *Jurnal Fisika Indonesia*, 19(57), 51–54.
- Pham, L. J. (2016). Coconut (cocos nucifera). In *Industrial Oil Crops* (pp. 231–242). Elsevier Inc.
- Rahmanishamsi, J., Dolati, A., & Aghabozorgi, M. R. (2018). A copula based ica algorithm and its application to time series clustering. *Journal of Classification*, 35(2), 230–249.
- Richardson, P. I. C., Muhamadali, H., Ellis, D. I., & Goodacre, R. (2019). Rapid quantification of the adulteration of fresh coconut water by dilution and sugars using raman spectroscopy and chemometrics. *Food Chemistry*, 272, 157–164.

- Richer, R. C., & Klein, J. D. (2014). Design and development research. *Handbook of research on educational communications and technology*, 141-150.
- Sangadji, S., Mahulette, A. S., & Marasabessy, D. A. (2022). Studi produktifitas tanaman kelapa (cocos nucifera l.) di Negeri Tial Kecamatan Salahutu Kabupaten Maluku Tengah. *Jurnal Agrohut*, 13(2), 87–96.
- Sarofi, M. A. A., Irhamah, & Mukarromah, A. (2020). Identifikasi genre musik dengan menggunakan metode random forest. *JURNAL SAINS DAN SENI ITS*, 9(1), 79–86.
- Shlens, J. (2014). A tutorial on principal component analysis. *Arxiv*, 1404(1100), 1–12.
- Shmueli, G., Bruce, P. C., Gedeck, P., & Patel, N. R. (2020). *Data mining for business analytics: concepts, techniques and applications in python* (1st ed.). John Willey & Sons.
- Sholikhoddin, M., Afroni, M. J., & Sugiono. (2018). Studi perancangan filter pasif untuk mengurangi kandungan harmonisa menggunakan matlab 2013b. *SinarFe7 (Seminar Nasional Fortei Regional 7)*, 1(1), 268–275.
- Siahaan, J., Syarif, Y., & Siregar, F. (2018). Rancangan power amplifier untuk alat pengukur transmission loss material akustik dengan metode impedance tube. *Journal of Electrical and System Control Engineering*, 1(2), 1–5.
- Sipasulta, R. Y., Lumenta, A. S. M., & Sompie, S. R. U. A. (2014). Simulasi sistem pengacak sinyal dengan metode FFT (fast fourier transform). *Jurnal Teknik Elektro Dan Komputer*, 3(2), 1–9.
- Susanti, M., Susilo, B., & Andreswari, D. (2018). Aplikasi speech-to-text dengan metode mel frequency cepstral coefficient (MFCC) dan hidden markov model (HMM) dalam pencarian kode icd-10. *Jurnal Rekrusif*, 6(1), 48–58.
- Tarkus, D., Sompie, S. R. U. A., & Jacobus, A. (2020). Implementasi metode recurrent neural network pada pengklasifikasian kualitas telur puyuh. *Jurnal Teknik Informatika*, 15(2), 137–144.
- Tharwat, A. (2018). Independent component analysis: an introduction. *Applied Computing and Informatics*, 17(2), 222–249.

- Vallet, G. T., Shore, D. I., & Schutz, M. (2014). Exploring the role of the amplitude envelope in duration estimation. *Perception*, 43(7), 616–630.
- Vamsi, B., Mahanty, M., & Doppala, B. P. (2023). An auto encoder-decoder approach to classify the bird sounds using deep learning techniques. *SN Computer Science*, 4(3).
- Wahyudi, S. T., Safrianti, E., & Rahayu, Y. (2015). Aplikasi spectrum analyzer untuk menganalisa frekuensi sinyal audio menggunakan matlab. *Jom FTEKNIK*, 2(2), 1–14.
- Wahyuningtyas, V. (2021). Implementasi ekstraksi fitur untuk klasifikasi suara urban menggunakan deep learning. *Sains, Aplikasi, Komputasi Dan Teknologi Informasi*, 3(1), 10–17.
- Wang, N., He, M., Sun, J., Wang, H., Zhou, L., Chu, C., & Chen, L. (2019). Ia-PNCC: noise processing method for underwater target recognition convolutional neural network. *Computers, Materials and Continua*, 58(1), 169–181.
- Wikessa, P. C., Hidayat, B., & Atmaja, R. D. (2017). Perancangan aplikasi deteksi kemacetan berdasarkan audio processing menggunakan metode zero crossing rate dan average energy berbasis android. *E-Proceeding of Engineering Universitas Telkom*, 412–419.
- Winarno, F. G. (2015). *Kelapa Pohon Kehidupan*. Gramedia Pustaka Utama.
- Yuliansyah, E., Magdalena, R., & Estanto. (2017). Sistem identifikasi iris mata dengan metode independent component analysis dan klasifikasi k-nearest neighbor. *E-Proceeding of Engineering Universitas Telkom*, 1810–1815.
- Yuwono, E. I., & Antonio, T. (2015). Studi format audio dan teks untuk modul speech to text. *JUISI (Jurnal Informatika Dan Sistem Informasi)*, 1(1), 11–19.
- Zelaya, C. V. G. (2019). Towards explaining the effects of data preprocessing on machine learning. *2019 IEEE 35th International Conference on Data Engineering (ICDE)*, 2086–2090.