

## DAFTAR PUSTAKA

- Aini, Y. K., Santoso, T. B., & Dutono, D. T. (2021). Pemodelan CNN Untuk Deteksi Emosi Berbasis Speech Bahasa Indonesia. *Jurnal Komputer Terapan*, 7(1), 143–152. <https://jurnal.pcr.ac.id/index.php/jkt/>
- Al Dujaili, M. J., Ebrahimi-Moghadam, A., & Fatlawi, A. (2021). Speech emotion recognition based on SVM and KNN classifications fusion. *International Journal of Electrical and Computer Engineering*, 11(2), 1259–1264. <https://doi.org/10.11591/ijece.v11i2.pp1259-1264>
- Aleisa, H. N. (2021). A hybrid strategy for emotion classification. *Indonesian Journal of Electrical Engineering and Computer Science*, 21(3), 1400–1406. <https://doi.org/10.11591/ijeecs.v21.i3.pp1400-1406>
- Ali, Y. M., Noorsal, E., Mokhtar, N. F., Saad, S. Z. M., Abdullah, M. H., & Chin, L. C. (2022). Speech-based gender recognition using linear prediction and mel-frequency cepstral coefficients. *Indonesian Journal of Electrical Engineering and Computer Science*, 28(2), 753–761. <https://doi.org/10.11591/ijeecs.v28.i2.pp753-761>
- Altayeb, M., & Al-Ghraibah, A. (2022). Classification of three pathological voices based on specific features groups using support vector machine. *International Journal of Electrical and Computer Engineering*, 12(1), 946–956. <https://doi.org/10.11591/ijece.v12i1.pp946-956>
- Ancilin, J., & Milton, A. (2021). Improved speech emotion recognition with Mel frequency magnitude coefficient. *Applied Acoustics*, 179, 108046. <https://doi.org/10.1016/j.apacoust.2021.108046>
- Arifin, C., & Junaedi, H. (2018). Emotion Sound Classification with Support Vector Machine Algorithm. *Kinetik: Game Technology, Information System, Computer Network, Computing, Electronics, and Control*, 3(2), 181–190. <https://doi.org/10.22219/kinetik.v3i2.610>
- Ashshiddieqy, M. H., Jondri, & Rizal, A. (2020). Klasifikasi Suara Paru Dengan Convolutional Neural Network (CNN). *EProceedings of Engineering*, 7(2), 8506–8512.
- Benmalek, E., Elmhamdi, J., & Jilbab, A. (2018). Voice assessments for detecting patients with Parkinson's diseases in different stages. *International Journal of Electrical and Computer Engineering*, 8(6), 4265–4271. <https://doi.org/10.11591/ijece.v8i6.pp4265-4271>
- Davis, S.B. dan Mermelstein, P., 1980. Comparison of Parametric Representations for Monosyllabic Word Recognition in Continuously Spoken Sentences. *IEEE Transactions on Acoustics, Speech, and Signal Processing*, 28(4), hal.357–366.
- Gündert, S. (2014). Mel Filter Bank. [image online] Tersedia di: <https://siggigue.github.io/pyfilterbank/melbank.html> [Diakses 28 September 2023]
- Hanifa, R. M., Isa, K., & Mohamad, S. (2020). Speaker ethnic identification for continuous speech in Malay language using pitch and MFCC. *Indonesian Journal of Electrical Engineering and Computer Science*, 19(1), 207–214. <https://doi.org/10.11591/ijeecs.v19.i1.pp207-214>
- Harsemadi, G., Sudarma, M., & Pramaita, N. (2017). Implementasi Algoritma K-Nearest Neighbor pada Perangkat Lunak Pengelompokan Musik untuk Menentukan Suasana Hati. *Majalah Ilmiah Teknologi Elektro*, 16(1), 14–20. <https://doi.org/10.24843/mite.1601.03>

- Helmiyah, S., Riadi, I., Umar, R., & Hanif, A. (2021). Speech Classification to Recognize Emotion Using Artificial Neural Network. *Khazanah Informatika: Jurnal Ilmu Komputer Dan Informatika*, 7(1), 12–17. <https://doi.org/10.23917/khif.v7i1.11913>
- Helmiyah, S., Riadi, I., Umar, R., Hanif, A., Yudhana, A., & Fadlil, A. (2020). Identifikasi Emosi Manusia Berdasarkan Ucapan Menggunakan Metode Ekstraksi Ciri LPC dan Metode Euclidean Distance. *Jurnal Teknologi Informasi Dan Ilmu Komputer*, 7(6), 1177. <https://doi.org/10.25126/jtiik.2020722693>
- Heriyanto, H., 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. <https://doi.org/10.31315/telematika.v15i2.3123>
- Jahan, N., & Shahariar, R. (2020). Predicting fertilizer treatment of maize using decision tree algorithm. *Indonesian Journal of Electrical Engineering and Computer Science*, 20(3), 1427–1434. <https://doi.org/10.11591/ijeecs.v20.i3.pp1427-1434>
- Knees, P., & Schedl, M. (2016). Music similarity and retrieval. In *SIGIR 2013 - Proceedings of the 36th International ACM SIGIR Conference on Research and Development in Information Retrieval*. <https://doi.org/10.1145/2484028.2484193>
- Kulkarni, A., Chong, D., & Batarseh, F. A. (2020). Foundations of data imbalance and solutions for a data democracy. In *Data Democracy: At the Nexus of Artificial Intelligence, Software Development, and Knowledge Engineering*. Elsevier Inc. <https://doi.org/10.1016/B978-0-12-818366-3.00005-8>
- Muljono, Prasetya, M. R., Harjoko, A., & Supriyanto, C. (2019). Speech Emotion Recognition of Indonesian Movie Audio Tracks based on MFCC and SVM. *Proceedings of the 4th International Conference on Contemporary Computing and Informatics, IC3I 2019*, 22–25. <https://doi.org/10.1109/IC3I46837.2019.9055509>
- Oday, K. (2018). Frame Blocking and Windowing Speech Signal. *Journal of Information, Communication, and Intelligence Systems*, 4(No. 5). <https://www.researchgate.net/publication/331635757>
- Paylakhi, S. H., & Shirazi, J. (2015). Phone Recognition on TIMIT Database Using Mel-Frequency Cepstral Coefficients and Support Vector Machine Classifier. In *IJISSET-International Journal of Innovative Science, Engineering & Technology* (Vol. 2, Issue 1). [www.ijiset.com](http://www.ijiset.com)
- Putra, D. dan Adi, R., 2011. Verifikasi Biometrika Suara Menggunakan Metode MFCC dan DTW. *Biometrika*, Universitas Udayana, 2(1), hal.8–21.
- Putra, K. T. (2017). Sistem Pengenal Wicara Menggunakan Mel-Frequency Cepstral Coefficient (Speech Recognition System Using Mel-Frequency Cepstral Coefficient). *Semesta Teknika*, 20(1), 75–80.
- Ramashini, M., Abas, P. E., Mohanchandra, K., & de Silva, L. C. (2022). Robust cepstral feature for bird sound classification. *International Journal of Electrical and Computer Engineering*, 12(2), 1477–1487. <https://doi.org/10.11591/ijece.v12i2.pp1477-1487>
- Reggiswarashari, F., & Sihwi, S. W. (2022). Speech Emotion Recognition Using 2D-Convolutional Neural Network. *International Journal of Electrical and Computer Engineering*, 12(6), 6594–6601. <https://doi.org/10.11591/ijece.v12i6.pp6594-6601>
- Russo, Frank A. & Livingstone, Steven R., (2018), The Ryerson Audio-Visual Database of Emotional Speech and Song (RAVDESS): A dynamic, multimodal set of facial and vocal

expressions in North America English. PLOS ONE.  
<https://doi.org/10.1371/journal.pone.0196391>  
Sugiyono. (2015). Statistika untuk Penelitian. Bandung: ALFABETA