

DAFTAR REFERENSI

- Abiodun, O. I., Jantan, A., Omolara, A. E., Dada, K. V., Umar, A. M., Linus, O. U., Arshad, H., Kazaure, A. A., Gana, U., & Kiru, M. U. (2019). Comprehensive Review of Artificial Neural Network Applications to Pattern Recognition. *IEEE Access*, 7, 158820–158846. <https://doi.org/10.1109/ACCESS.2019.2945545>
- Adhinata, F. D., Rakhmadani, D. P., & Tirta Segara, A. J. (2021). Pengenalan Jenis kelamin Manusia Berbasis Suara Menggunakan MFCC dan GMM. *Jurnal DINDA (Indonesian Journal of Data Science, IoT, Machine Learning and Artificial Intelligence)*, 1(1), 11–16.
- Aggarwal, C. C. (2023). Neural Networks and Deep Learning. Dalam *Springer* (2 ed.). Springer International Publishing. <https://doi.org/10.1007/978-3-031-29642-0>
- Al-Issa, S., Alshboul, M., & Al-Ayyoub, M. (2023). Enhanced Neural Speech Recognizer for Quranic Recitations. *2023 International Conference on Multimedia Computing, Networking and Applications, MCNA 2023*, 62–66. <https://doi.org/10.1109/MCNA59361.2023.10185668>
- Alrumiah, S. S., & Al-Shargabi, A. A. (2023). A Deep Diacritics-Based Recognition Model for Arabic Speech: Quranic Verses as Case Study. *IEEE Access*, 11(August), 81348–81360. <https://doi.org/10.1109/ACCESS.2023.3300972>
- Alsahafi, Y. S., & Asad, M. (2024). Empirical Study on Mispronunciation Detection for Tajweed Rules during Quran Recitation. *6th International*

Conference on Computing and Informatics, ICCI 2024, 39–45.
<https://doi.org/10.1109/ICCI61671.2024.10485145>

Anantha, A. P., Hidayat, B., & Andini, N. (2018). STEGANALISIS SINYAL WICARA BERFORMAT .WAV MENGGUNAKAN KOMBINASI METODE MEL-FREQUENCY CEPSTRAL COEFFICIENT (MFCC) DAN LINEAR DISCRIMINANT ANALYSIS (LDA). Dalam *Jurnal TEKTRIKA* (Vol. 3, Nomor 1).

Anggreini, N. L., & Putra, I. P. (2022). Aplikasi Pembelajaran Ilmu Tajwid Berbasis Mobile. *Jurnal Informasi dan Komputer*, 10(1), 44–49.
<https://doi.org/10.35959/jik.v10i1.300>

Baron, G. (1983). Comparative studies of hearing in vertebrates. Dalam *Behavioural Processes* (Vol. 8, Nomor 1). [https://doi.org/10.1016/0376-6357\(83\)90048-7](https://doi.org/10.1016/0376-6357(83)90048-7)

Bashir, M. H., Azmi, A. M., Nawaz, H., Zaghouani, W., Diab, M., Al-Fuqaha, A., & Qadir, J. (2023). Arabic natural language processing for Qur’anic research: a systematic review. Dalam *Artificial Intelligence Review* (Vol. 56, Nomor 7). Springer Netherlands. <https://doi.org/10.1007/s10462-022-10313-2>

Bill. (t.t.). *Music frequency diatonic scale-3 - Pitch (music) - Wikipedia*. Wikipedia. Diambil 30 Juni 2024, dari [https://en.wikipedia.org/wiki/Pitch_\(music\)#/media/File:Music_frequency_diatonic_scale-3.svg](https://en.wikipedia.org/wiki/Pitch_(music)#/media/File:Music_frequency_diatonic_scale-3.svg)

Childers, D. G., Skinner, D. P., & Kemerait, R. C. (1977). The Cepstrum: A Guide to Processing. *Proceedings of the IEEE*, 65(10), 1428–1443. <https://doi.org/10.1109/PROC.1977.10747>

Cmglee. (t.t.). *Animal hearing frequency range - Hearing range - Wikipedia*. Wikipedia. Diambil 29 Juni 2024, dari https://en.wikipedia.org/wiki/Hearing_range#/media/File:Animal_hearing_frequency_range.svg

Fathurrahman, D. N., Osmond, A. B., & Saputra, R. E. (2018). *DEEP NEURAL NETWORK UNTUK PENGENALAN UCAPAN PADA BAHASA SUNDA DIALEK TENGAH TIMUR (MAJALENGKA) DEEP NEURAL NETWORK FOR SPEECH RECOGNITION ON SUNDANESE LANGUAGE OF THE MIDDLE EAST DIALECT*. 5(3), 6073–6080.

Holleman, M. (t.t.). *MIDI Note Chart*. Diambil 1 Juli 2024, dari <https://audiodev.blog/midi-note-chart/>

Khamid, A., Prasmanita, D., Munawaroh, R., Zamroni, A., & Nasitoh, O. E. (2020). Implementasi Pembelajaran Tajwid dan Ketrampilan Membaca Al-Qur'an dalam Materi Al-Qur'an Hadist. *Attractive : Innovative Education Journal*, 2(2), 45. <https://doi.org/10.51278/aj.v2i2.38>

Kong, Q., Cao, Y., Iqbal, T., Wang, Y., Wang, W., & Plumbley, M. D. (2020). PANNs: Large-Scale Pretrained Audio Neural Networks for Audio Pattern Recognition. *IEEE/ACM Transactions on Audio Speech and Language Processing*, 28(1), 2880–2894. <https://doi.org/10.1109/TASLP.2020.3030497>

- Leshowitz, B. (1970). Measurement of the Two-Click Threshold. *The Journal of the Acoustical Society of America*, June 1970.
- Marlina, L., Wardoyo, C., Sanjaya, W. S. M., Anggraeni, D., Dewi, S. F., Roziqin, A., & Maryanti, S. (2018). Makhraj recognition of Hijaiyah letter for children based on Mel-Frequency Cepstrum Coefficients (MFCC) and Support Vector Machines (SVM) method. *2018 International Conference on Information and Communications Technology, ICOIACT 2018, 2018-Janua*, 935–940. <https://doi.org/10.1109/ICOIACT.2018.8350684>
- Muda, L., Begam, M., & Elamvazuthi, I. (2010). Voice Recognition Algorithms using Mel Frequency Cepstral Coefficient (MFCC) and Dynamic Time Warping (DTW) Techniques. *Journal of Computing*, 2(3), 138–143.
- Müller, M. (2015). Fundamentals of Music Processing. Dalam *Fundamentals of Music Processing*. Springer International Publishing. <https://doi.org/10.1007/978-3-319-21945-5>
- Nanni, L., Maguolo, G., Brahnam, S., & Paci, M. (2021). An ensemble of convolutional neural networks for audio classification. *Applied Sciences (Switzerland)*, 11(13). <https://doi.org/10.3390/app11135796>
- Nisha Arya Ahmed. (t.t.). *What is A Confusion Matrix in Machine Learning? The Model Evaluation Tool Explained | DataCamp*. Diambil 4 Juli 2024, dari <https://www.datacamp.com/tutorial/what-is-a-confusion-matrix-in-machine-learning>

- Norton, M. P., & Karczub, D. G. (2003). Fundamentals of Noise and Vibration Analysis for Engineers. Dalam *Fundamentals of Noise and Vibration Analysis for Engineers*. <https://doi.org/10.1017/cbo9781139163927>
- Omran, D., Fawzi, S., & Kandil, A. (2023). Automatic Detection of Some Tajweed Rules. *20th International Learning and Technology Conference, L and T 2023*, 157–160. <https://doi.org/10.1109/LT58159.2023.10092350>
- Oppenheim, A. V., & Schafer, R. W. (2004). From frequency to quefrency: A history of the cepstrum. *IEEE Signal Processing Magazine*, 21(5), 95–100. <https://doi.org/10.1109/MSP.2004.1328092>
- Phan, H., Koch, P., Katzberg, F., Maass, M., Mazur, R., & Mertins, A. (2017). *Audio Scene Classification with Deep Recurrent Neural Networks*. 2–6.
- Popper, Arthur N, Simmons, Andrea M, Fay, R. R. (2003). *Pitch Neural Coding and Perception-Springer Handbook of Auditory research*.
- Putra, O. V., Musthafa, A., & Kholil, M. (2021). KLASIFIKASI INTONASI BAHASA JAWA KHAS PONOROGO MENGGUNAKAN ALGORITMA. *Prosiding Seminar Nasional Penelitian dan Pengabdian*, 459–464.
- Putra, O. V., Pradana, F. R., & Qalbi Adiba, J. I. (2021). Mad Reading Law Classification Using Mel Frequency Cepstral Coefficient (MFCC) and Hidden Markov Model (HMM). *Procedia of Engineering and Life Science*, 2(1), 1–7. <https://doi.org/10.21070/pels.v2i0.1148>
- Richard R. Fay and Arthur N. Popper. (1994). *Comparative Hearing: Mammals*.
- Sahidullah, M., & Saha, G. (2012). Design, analysis and experimental evaluation of block based transformation in MFCC computation for speaker recognition.

Speech Communication, 54(4), 543–565.

<https://doi.org/10.1016/j.specom.2011.11.004>

Sharif, A., Sitompul, O. S., & Nababan, E. B. (2023). Analysis Of Variation In The Number Of MFCC Features In Contrast To LSTM In The Classification Of English Accent Sounds. *JITE (Journal of Informatics and Telecommunication Engineering)*, 6(January), 587–601.

Stevens, S. S., & Volkmann, J. (1940). THE RELATION OF PITCH TO FREQUENCY: A REVISED SCALE. *American Journal of Psychiatry*, 53(July), 887–894.

Sudarjo, A., Mariana, A. R., & Nurhidayat, W. (2015). Aplikasi Pembelajaran Ilmu Tajwid, Waqaf dan Makharijul Huruf Berbasis Android. *Jurnal Sisfotek Global*, 5(2), 54–60.

Triandi, B., Mawengkang, H., & Syahril, E. (2021). Perbandingan Teknik Ekstrak Ciri Suara Pembicara Antara Metode MFCC Dan LPC Untuk Pengenalan Suara. *CSRID Journal*. <http://csrid.potensi-utama.ac.id/ojs/index.php/CSRID/article/view/588>

Umar, R., Riadi, I., & Hanif, A. (2018). Analisis Bentuk Pola Suara Menggunakan Ekstraksi Ciri Mel-Frequency Cepstral Coefficients (MFCC). 4(2), 294–304.

Velardo, V. (t.t.-a). *Intensity, loudness, and timbre/Intensity, loudness, and timbre.pdf at master · musikalkemist/AudioSignalProcessingForML · GitHub*.

Diambil 2 Juli 2024, dari

<https://github.com/musikalkemist/AudioSignalProcessingForML/blob/master/3->

%20Intensity%2C%20loudness%2C%20and%20timbre/Intensity%2C%20loudness%2C%20and%20timbre.pdf

Velardo, V. (t.t.-b). *Mel-Frequency Cepstral Coefficients Explained Easily.pdf at master · musikalkemist/AudioSignalProcessingForML*. Github. Diambil 1 Juli 2024, dari <https://github.com/musikalkemist/AudioSignalProcessingForML/blob/master/19-%20MFCCs%20Explained%20Easily/Mel-Frequency%20Cepstral%20Coefficients%20Explained%20Easily.pdf>

Wibowo, A. S., Bayu, I. D. M., & Darmawan, A. (2021). Iqra reading verification with mel frequency cepstrum coefficient and dynamic time warping. *Journal of Physics: Conference Series*, 1722(1). <https://doi.org/10.1088/1742-6596/1722/1/012015>

Zhang, A., Lipton, Z. C., Li, M., & Smola, A. J. (2022). Dive Into Deep Learning. Dalam *Journal of the American College of Radiology* (Vol. 17, Nomor 5, hlm. 1007). <https://doi.org/10.1016/j.jacr.2020.02.005>