

DAFTAR PUSTAKA

- [1] N. Rihladhatul and A. Sayoga, "AL-AFKAR : Journal for Islamic Studies The Living Qur ' an : Ethnographic Study and Understanding of Al- Isra ' : 9 in Urban Communities," vol. 7, no. 4, pp. 334–346, 2024, doi: 10.31943/afkarjournal.v7i4.1648.Abstract.
- [2] H. Fajrussalam, W. Widaningsih, N. Nurdiansyah, L. N. Istighna, C. Nurjanah, and C. R. A. Widjaya, "Implementasi Program Maghrib Mengaji sebagai Sarana Pembelajaran Al-Quran pada Anak Usia Dini: Studi Deskriptif Kualitatif di TPQ Al Ittihad Kab. Cirebon," *At-Ta 'lim Media Inf. Pendidik. Islam*, vol. 22, no. 2, p. 259, 2023, doi: 10.29300/attalim.v22i2.2546.
- [3] R. D. Arifin, "No Title," Dianisa. [Online]. Available: <https://dianisa.com/nun-sukun-dan-tanwin/>
- [4] M. H. Ashadiqi, A. Erlansari, and F. Farady, "Aplikasi Pembelajaran Tajwid Berbasis Android," *J. Rekursif*, vol. 8, no. 1, pp. 59–70, 2020.
- [5] A. Wirdiani, S. N. Machetho, I. K. G. D. Putra, M. Sudarma, R. S. Hartati, and H. A. Ferdian, "Improvement Model for Speaker Recognition using MFCC-CNN and Online Triplet Mining," *Int. J. Adv. Sci. Eng. Inf. Technol.*, vol. 14, no. 2, pp. 420–427, 2024, doi: 10.18517/ijaseit.14.2.19396.
- [6] L. Syafa'ah, R. Prasetyono, and H. Hariyady, "Enhancing Qur'anic Recitation Experience with CNN and MFCC Features for Emotion Identification," *Kinet. Game Technol. Inf. Syst. Comput. Network, Comput. Electron. Control*, vol. 4, no. 2, 2024, doi: 10.22219/kinetik.v9i2.2007.
- [7] D. Kusumawati, A. A. Ilham, A. Achmad, and I. Nurtanio, "Performance Analysis of Feature Mel Frequency Cepstral Coefficient and Short Time Fourier Transform Input for Lie Detection using Convolutional Neural Network," *Int. J. Informatics Vis.*, vol. 8, no. 1, pp. 279–288, 2024, doi: 10.62527/joiv.8.1.2062.
- [8] A. Ashar, M. S. Bhatti, and U. Mushtaq, "Speaker Identification Using a Hybrid CNN-MFCC Approach," *2020 Int. Conf. Emerg. Trends Smart Technol. ICETST 2020*, 2020, doi: 10.1109/ICETST49965.2020.9080730.

- [9] F. Wang and X. Shen, "Research on Speech Emotion Recognition Based on Teager Energy Operator Coefficients and Inverted MFCC Feature Fusion," *Electron.*, vol. 12, no. 17, 2023, doi: 10.3390/electronics12173599.
- [10] S. Rajesh and N. J. Nalini, "Instrument Emotion Recognition from Polyphonic Instrumental Music using MFCC and CENS Features with Deep Neural Networks," *Procedia Comput. Sci.*, vol. 235, no. 2023, pp. 2548–2556, 2024, doi: 10.1016/j.procs.2024.04.240.
- [11] S. H. D. T. Alam, *Ilmu Tajwid*. 2024.
- [12] Z. Umar, *Panduan Ilmu Tajwid Praktis*. UIR PRESS, 2020.
- [13] Z. K. Abdul and A. K. Al-Talabani, "Mel Frequency Cepstral Coefficient and its Applications: A Review," *IEEE Access*, vol. 10, no. October, pp. 122136–122158, 2022, doi: 10.1109/ACCESS.2022.3223444.
- [14] Z. Li, F. Liu, W. Yang, S. Peng, and J. Zhou, "A Survey of Convolutional Neural Networks: Analysis, Applications, and Prospects," *IEEE Trans. Neural Networks Learn. Syst.*, vol. 33, no. 12, pp. 6999–7019, 2022, doi: 10.1109/TNNLS.2021.3084827.
- [15] J. J. M. Montemayor, G. P. G. Escuadra, M. A. G. Nambatac, and D. T. Tenoria, "Detecting Rice Weevils in Stored Grains using MFCC and CNN," *Procedia Comput. Sci.*, vol. 234, no. 2023, pp. 1681–1688, 2024, doi: 10.1016/j.procs.2024.03.173.
- [16] E. Gordon-Rodriguez, G. Loaiza-Ganem, G. Pleiss, and J. P. Cunningham, "Uses and Abuses of the Cross-Entropy Loss: Case Studies in Modern Deep Learning," *Proc. Mach. Learn. Res.*, vol. 137, pp. 1–10, 2020.
- [17] N. Kumar, "Why I Use RMS for Audio Processing," p. 1, 2025, doi: <https://doi.org/10.24247/ijmperdjun2020322>.
- [18] M. Heydarian, T. E. Doyle, and R. Samavi, "MLCM: Multi-Label Confusion Matrix," *IEEE Access*, vol. 10, pp. 19083–19095, 2022, doi: 10.1109/ACCESS.2022.3151048.
- [19] N. M. Papadakis, I. Aroni, and G. E. Stavroulakis, "Effectiveness of MP3 Coding Depends on the Music Genre: Evaluation Using Semantic Differential

- Scales,” *Acoustics*, vol. 4, no. 3, pp. 704–719, 2022, doi: 10.3390/acoustics4030042.
- [20] A. Carson, V. Välimäki, A. Wright, and S. Bilbao, “Resampling Filter Design for Multirate Neural Audio Effect Processing,” pp. 1–11, 2025, [Online]. Available: <http://arxiv.org/abs/2501.18470>
- [21] B. Aljaddouh, D. Malathi, and F. Alaswad, “Multimodal Disease Detection and Classification Using Breath Sounds and Vision Transformer for Improved Diagnosis,” *Procedia Comput. Sci.*, vol. 235, pp. 1436–1444, 2024, doi: 10.1016/j.procs.2024.04.135.
- [22] S. Bhor, R. Ganage, O. Domb, H. Pathade, and S. Khedkar, “Automated Bird Species Identification using Audio Signal Processing and Neural Network,” *Proc. Int. Conf. Electron. Renew. Syst. ICEARS 2022*, pp. 335–339, 2022, doi: 10.1109/ICEARS53579.2022.9752136.
- [23] M. Scarpiniti, D. Comminiello, A. Uncini, and Y.-C. Lee, “Deep recurrent neural networks for audio classification in construction sites,” in *2020 28th European Signal Processing Conference (EUSIPCO)*, IEEE, 2021, pp. 810–814.
- [24] H. Malik, U. Bashir, and A. Ahmad, “Multi-classification neural network model for detection of abnormal heartbeat audio signals,” *Biomed. Eng. Adv.*, vol. 4, no. April, p. 100048, 2022, doi: 10.1016/j.bea.2022.100048.
- [25] S. Kulkarni, “Impact of Various Data Splitting Ratios on the Performance of Machine Learning Models in the Classification of Lung Cancer,” in *Proceedings of the Second International Conference on Emerging Trends in Engineering (ICETE 2023)*, Springer Nature, 2023, p. 96.
- [26] I. Muraina, “Ideal dataset splitting ratios in machine learning algorithms: general concerns for data scientists and data analysts,” in *7th international Mardin Artuklu scientific research conference*, 2022, pp. 496–504.
- [27] N. Alduaiji, A. Algarni, S. Abdalaha Hamza, G. Abdel Azim, and H. Hamam, “A Lightweight CNN and Class Weight Balancing on Chest X-ray Images for COVID-19 Detection,” *Electron.*, vol. 11, no. 23, pp. 1–27, 2022, doi: 10.3390/electronics11234008.

- [28] R. Karthiga, G. Usha, N. Raju, and K. Narasimhan, "Transfer Learning Based Breast cancer Classification using One-Hot Encoding Technique," *Proc. - Int. Conf. Artif. Intell. Smart Syst. ICAIS 2021*, pp. 115–120, 2021, doi: 10.1109/ICAIS50930.2021.9395930.
- [29] J. Xu, Z. Li, B. Du, M. Zhang, and J. Liu, "Reluplex made more practical: Leaky ReLU," *Proc. - IEEE Symp. Comput. Commun.*, vol. 2020-July, 2020, doi: 10.1109/ISCC50000.2020.9219587.
- [30] Y. Furusho and K. Ikeda, "Theoretical analysis of skip connections and batch normalization from generalization and optimization perspectives," *APSIPA Trans. Signal Inf. Process.*, vol. 9, 2020, doi: 10.1017/ATSIP.2020.7.
- [31] S. H. Golzar, H. Bagherpour, and J. A. Parian, "Research Article A New Method to Optimize Deep CNN Model for Classification of Regular Cucumber Based on Global Average Pooling," vol. 2024, no. D1, 2024, doi: 10.1155/2024/5818803.
- [32] M. M. Musthafa, M. T R, V. K. V, and S. Guluwadi, "Enhanced skin cancer diagnosis using optimized CNN architecture and checkpoints for automated dermatological lesion classification," *BMC Med. Imaging*, vol. 24, no. 1, pp. 1–20, 2024, doi: 10.1186/s12880-024-01356-8.
- [33] Y. Dokuz and Z. Tufekci, "Mini-batch sample selection strategies for deep learning based speech recognition," *Appl. Acoust.*, vol. 171, p. 107573, 2021, doi: 10.1016/j.apacoust.2020.107573.
- [34] M. N. Islam, A. Mahabub, M. M. Rahama, and M. M. Rana, "A compelling pattern reconfigurable antenna without utilizing exchanging innovation," *Proc. 3rd Int. Conf. Smart Syst. Inven. Technol. ICSSIT 2020*, no. Icassit, pp. 82–86, 2020, doi: 10.1109/ICSSIT48917.2020.9214200.
- [35] W. Mu, B. Yin, X. Huang, J. Xu, and Z. Du, "Environmental sound classification using temporal-frequency attention based convolutional neural network," *Sci. Rep.*, vol. 11, no. 1, pp. 1–14, 2021, doi: 10.1038/s41598-021-01045-4.
- [36] Y. Liu, X. Chen, M. Cheng, C. Hsieh, Y. You, and L. Angeles, "CONCURRENT ADVERSARIAL LEARNING FOR LARGE-", pp. 1–17,

2021.

- [37] D. Chen, J. Zhang, W. Shi, X. Wang, and S. Zhang, “Heliyon Postmenopausal mild hirsutism and hyperandrogenemia due to ovarian Sertoli-Leydig cell tumor : A case report,” *Heliyon*, vol. 6, no. December 2019, p. e03746, 2020, doi: 10.1016/j.heliyon.2020.e03746.