

## DAFTAR PUSTAKA

Ahmad Tri Nurolan (2020) *DETEKSI DAN KLASIFIKASI JENIS KENDARAAN BERBASIS PENGOLAHAN CITRA DENGAN METODE CONVOLUTIONAL NEURAL NETWORK (CNN)*. SKRIPSI. Universitas Islam Indonesia.

Alharbi, Sadeen *et al.* (2021) ‘Automatic Speech Recognition: Systematic Literature Review’, *IEEE Access*, 9, pp. 131858–131876. Available at: <https://doi.org/10.1109/ACCESS.2021.3112535>.

Alsobhani, A., ALabboodi, H.M.A. and Mahdi, H. (2021) ‘Speech Recognition using Convolution Deep Neural Networks’, *Journal of Physics: Conference Series*, 1973(1), p. 012166. Available at: <https://doi.org/10.1088/1742-6596/1973/1/012166>.

Alzubaidi, L. *et al.* (2021) ‘Review of deep learning: concepts, CNN architectures, challenges, applications, future directions’, *Journal of Big Data*, 8(1), p. 53. Available at: <https://doi.org/10.1186/s40537-021-00444-8>.

An, X.D. and Ruan, Z. (2021) ‘Speech Emotion Recognition algorithm based on deep learning algorithm fusion of temporal and spatial features’, *Journal of Physics: Conference Series*, 1861(1), p. 012064. Available at: <https://doi.org/10.1088/1742-6596/1861/1/012064>.

Budi Triandi *et al.* (2022) ‘Pengenalan Emosi Ucpan Berdasarkan CMARS dan SVM’, *Prosiding Seminar Nasional Riset Dan Information Science (SENARIS)*, 4, pp. 198–208.

Darwish, A., Hassanien, A.E. and Das, S. (2020) ‘A survey of swarm and evolutionary computing approaches for deep learning’, *Artificial Intelligence Review*, 53(3), pp. 1767–1812. Available at: <https://doi.org/10.1007/s10462-019-09719-2>.

Demircan, S. and Örnek, H.K. (2020) ‘Comparison of the Effects of Mel Coefficients and Spectrogram Images via Deep Learning in Emotion Classification’, *Traitement du Signal*, 37(1), pp. 51–57. Available at: <https://doi.org/10.18280/ts.370107>.

Deni Ardiyansyah and Jayanta (2021) ‘Model Klasifikasi Emosi Berdasarkan Suara Manusia dengan Metode Multilater Perceptron’, *Seminar Nasional Mahasiswa Ilmu Komputer dan Aplikasinya (SENAMIKA)*, 2(1).

Donmez, H. and Ozkurt, N. (2019) ‘Emotion Classification from EEG Signals in Convolutional Neural Networks’, in *2019 Innovations in Intelligent Systems and Applications Conference (ASYU)*. IEEE, pp. 1–6. Available at: <https://doi.org/10.1109/ASYU48272.2019.8946364>.

FAZRUN ARROFIQ (2022) *PENGENALAN EMOSI MANUSIA MELALUI WAJAH DAN SUARA DENGAN MENGGUNAKAN CNN*. Universitas Sriwijaya.

Fontanella, F. *et al.* (2020) ‘Pattern recognition and artificial intelligence techniques for cultural heritage’, *Pattern Recognition Letters*, 138, pp. 23–29. Available at: <https://doi.org/10.1016/j.patrec.2020.06.018>.

Harizahayu, H. (2021) ‘PENGENALAN EKSPRESI RAUT WAJAH BERBASIS JARINGAN SARAF TIRUAN BACKPROPAGATION DENGAN METODE PRINCIPAL COMPONENT ANALYSIS’, *BAREKENG: Jurnal Ilmu Matematika dan Terapan*, 15(1), pp. 037–046. Available at: <https://doi.org/10.30598/barekengvol15iss1pp037-046>.

Hihn, H. and Braun, D.A. (2020) ‘Specialization in Hierarchical Learning Systems’, *Neural Processing Letters*, 52(3), pp. 2319–2352. Available at: <https://doi.org/10.1007/s11063-020-10351-3>.

Imam Lutfi Rahmatullah (2022) *Pengenalan suara menggunakan algoritma convolutional neural network pada gim pembelajaran bahasa arab*. SKRIPSI. UIN Syarif Hidayatullah Jakarta.

Issa, D., Fatih Demirci, M. and Yazici, A. (2020) ‘Speech emotion recognition with deep convolutional neural networks’, *Biomedical Signal Processing and Control*, 59, p. 101894. Available at: <https://doi.org/10.1016/j.bspc.2020.101894>.

Isyanto, H., Arifin, A.S. and Suryanegara, M. (2022) ‘Voice Biometrics for Indonesian Language Users using Algorithm of Deep Learning CNN Residual and Hybrid of DWT-MFCC Extraction Features’, *International Journal of Advanced Computer Science and Applications*, 13(5). Available at: <https://doi.org/10.14569/IJACSA.2022.0130574>.

Kalayci, C.B., Karagoz, S. and Karakas, Ö. (2020) ‘Soft computing methods for fatigue life estimation: A review of the current state and future trends’, *Fatigue & Fracture of Engineering Materials & Structures*, 43(12), pp. 2763–2785. Available at: <https://doi.org/10.1111/ffe.13343>.

KASYIDI, F., ILYAS, R. and ANNISA, N.M. (2021) ‘Peningkatan Kemampuan Pengenalan Emosi Melalui Suara dalam Bahasa Indonesia’, *MIND Journal*, 6(2), pp. 194–204. Available at: <https://doi.org/10.26760/mindjournal.v6i2.194-204>.

Khoirotul Aini, Y., Budi Santoso, T. and Dutono, T. (2021) ‘Pemodelan CNN Untuk Deteksi Emosi Berbasis Speech Bahasa Indonesia’, *Jurnal Komputer Terapan*, (Vol. 7 No. 1 (2021)), pp. 143–152. Available at: <https://doi.org/10.35143/jkt.v7i1.4623>.

Lulut Dwi Putri Bagaswari (2019) *Implementasi algoritma backpropagation pada pengenalan emosi berdasarkan suara manusia*. Skripsi. UIN Syarif Hidayatullah Jakarta. Available at: <https://repository.uinjkt.ac.id/dspace/handle/123456789/48587> (Accessed: 26 April 2023).

Lv, Z. *et al.* (2022) ‘Deep Learning for Intelligent Human–Computer Interaction’, *Applied Sciences*, 12(22), p. 11457. Available at: <https://doi.org/10.3390/app122211457>.

Manoharan, S. and Ponraj, N. (2021) ‘Analysis of Complex Non-Linear Environment Exploration in Speech Recognition by Hybrid Learning Technique’, *Journal of Innovative Image Processing*, 2(4), pp. 202–209. Available at: <https://doi.org/10.36548/jiip.2020.4.005>.

Ntavelis, E. *et al.* (2020) ‘AIM 2020 Challenge on Image Extreme Inpainting’, in, pp. 716–741. Available at: [https://doi.org/10.1007/978-3-030-67070-2\\_43](https://doi.org/10.1007/978-3-030-67070-2_43).

Rambe, A., Tanjung, J.P. and Muhathir, M. (2022) ‘Shafiyatul Amaliyyah School sStudent Face Absence Using Principal Component Analysis and K-Nearest Neighbor’, *JOURNAL OF INFORMATICS AND TELECOMMUNICATION ENGINEERING*, 5(2), pp. 414–422. Available at: <https://doi.org/10.31289/jite.v5i2.6214>.

Raynaldy Arief, Nur Aviva Iriawan and Armin Lawi (2021) ‘KLASIFIKASI AUDIO UCAPAN EMOSIONAL MENGGUNAKAN MODEL LSTM’, in *Proceeding KONIK (Konferensi Nasional Ilmu Komputer)*.

Rendi Nurcahyo and Mohammad Iqbal (2022) ‘Pengenalan Emosi Pembicara Menggunakan Convolutional Neural Networks’, *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, 6(1), pp. 115–122. Available at: <https://doi.org/10.29207/resti.v6i1.3726>.

RIO GALANG JATI RESPATI (2021a) *Identifikasi Emosi Melalui Suara Menggunakan Support Vector Machine Dan Convolutional Neural Network*. Skripsi. Universitas Islam Indonesia.

RIO GALANG JATI RESPATI (2021b) *Identifikasi Emosi Melalui Suara Menggunakan Support Vector Machine Dan Convolutional Neural Network*. Skripsi. Universitas Islam Indonesia.

Santoso, S. *et al.* (2022) ‘Simulasi Simulasi Ekstraksi Fitur Suara menggunakan Mel-Frequency Cepstrum Coefficient’, *Jurnal Sains dan Informatika*, 8(1), pp. 80–87. Available at: <https://doi.org/10.34128/jsi.v8i1.357>.

Wein, F., Dunning, P.D. and Norato, J.A. (2020) ‘A review on feature-mapping methods for structural optimization’, *Structural and Multidisciplinary Optimization*, 62(4), pp. 1597–1638. Available at: <https://doi.org/10.1007/s00158-020-02649-6>.