

Daftar Pustaka

- [1] S. Li and W. Deng, "Deep Facial Expression Recognition: A Survey," *IEEE Transactions on Affective Computing*, vol. 13, no. 3, pp. 1195–1215, Jul. 2022, doi: 10.1109/taffc.2020.2981446.
- [2] M. Sajjad, F.U.M. Ullah, M. Ullah, G. Christodoulou, F.A. Cheikh, M. Hijji, K. Muhammad, J.J.P.C. Rodrigues, "A comprehensive survey on deep facial expression recognition: challenges, applications, and future guidelines," *Alexandria Engineering Journal*, Apr. 01, 2023. <https://doi.org/10.1016/j.aej.2023.01.017>.
- [3] Z. Hu, "A CNN-Based Facial Expression Recognition System," *Highlights in Science, Engineering and Technology*, vol. 39, pp. 496–507, Apr. 2023, doi: 10.54097/hset.v39i.6576.
- [4] Y. Nan, J. Ju, Q. Hua, H. Zhang, and B. Wang, "A-MobileNet: An approach of facial expression recognition," *Alexandria Engineering Journal*, Jun. 01, 2022. <https://doi.org/10.1016/j.aej.2021.09.066>
- [5] Z. Li, T. Zhang, J. Xiao, and Y. Wang, "Facial expression-based analysis on emotion correlations, hotspots, and potential occurrence of urban crimes," *Alexandria Engineering Journal*, Feb. 01, 2021. <https://doi.org/10.1016/j.aej.2020.10.061>
- [6] G. Tonguç and B. Ö. Özkara, "Automatic recognition of student emotions from facial expressions during a lecture," *Computers & Education*, Apr. 01, 2020. <https://doi.org/10.1016/j.compedu.2019.103797>
- [7] S. Yun, J. Choi, S. Park, G. Bong, and H. Yoo, "Social skills training for children with autism spectrum disorder using a robotic behavioral intervention system," *Autism Research*, vol. 10, no. 7, pp. 1306–1323, May 2017, doi: 10.1002/aur.1778
- [8] H. Li, "MVT: Mask Vision Transformer for Facial Expression Recognition in the wild," *arXiv.org*, Jun. 08, 2021. <https://arxiv.org/abs/2106.04520v2>
- [9] X. Liang, L. Xu, W. Zhang, Y. Zhang, J. Liu, and Z. Liu, "A convolution-transformer dual branch network for head-pose and occlusion facial expression recognition," *The Visual Computer*, Feb. 13, 2022. <https://doi.org/10.1007/s00371-022-02413-5>
- [10] M. Jeong and B. C. Ko, "Driver's Facial Expression Recognition in Real-Time for Safe Driving," *Sensors*, Dec. 04, 2018. <https://doi.org/10.3390/s18124270>
- [11] P. N. R. Bodavarapu and P. V. V. S. Srinivas, "Facial expression recognition for low-resolution images using convolutional neural networks and denoising techniques," *Indian Journal of Science and Technology*, vol. 14, no. 12, pp. 971–983, Mar. 2021, doi: 10.17485/ijst/v14i12.14.
- [12] O. Ekundayo and S. Viriri, "Facial Expression Recognition: A Review of Methods, Performances and Limitations," Mar. 01, 2019. <https://doi.org/10.1109/ictas.2019.8703619>
- [13] Y. Huang, F. Chen, S. Lv, and X. Wang, "Facial Expression Recognition: A Survey," *Symmetry*, Sep. 20, 2019. <https://doi.org/10.3390/sym11101189>
- [14] Shulman, D, "Optimization Methods in Deep Learning: A Comprehensive Overview," *arXiv.org*, Feb 19, 2023. <https://arxiv.org/abs/2302.09566>
- [15] "Peningkatan Performa Pengenalan Wajah pada Gambar Low-Resolution Menggunakan Metode Super-Resolution", *JTIK*, vol. 11, no. 1, pp. 199–208, Feb. 2024, doi: 10.25126/jtiik.20241117947.
- [16] Gómez-Sirvent, J.L.; López de la Rosa, F.; López, M.T.; Fernández-Caballero, A. Facial Expression Recognition in the Wild for Low-Resolution Images Using Voting Residual Network. *Electronics* 2023, 12, 3837. <https://doi.org/10.3390/electronics12183837>
- [17] Punuri, S.B.; Kuanar, S.K.; Kolhar, M.; Mishra, T.K.; Alameen, A.; Mohapatra, H.; Mishra, S.R. Efficient Net-XGBoost: An Implementation for Facial Emotion Recognition Using Transfer Learning. *Mathematics* 2023, 11, 776. <https://doi.org/10.3390/math11030776>
- [18] Minaee, S.; Minaei, M.; Abdolrashidi, A. Deep-Emotion: Facial Expression Recognition Using Attentional Convolutional Network. *Sensors* 2021, 21, 3046. <https://doi.org/10.3390/s21093046>
- [19] Pourmirzaei, M., Esmaili, F., & Montazer, G.A. (2021). Using Self-Supervised Auxiliary Tasks to Improve Fine-Grained Facial Representation. *ArXiv*, abs/2105.06421.
- [20] Aouayeb, M., Hamidouche, W., Soladié, C., Kpalma, K., & Séguier, R. (2021). Learning Vision Transformer with Squeeze and Excitation for Facial Expression Recognition. *ArXiv*, abs/2107.03107.
- [21] M. Tan and Q. V. Le, "EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks," *arXiv.org*, May 28, 2019. <https://arxiv.org/abs/1905.11946>
- [22] G. Marques, D. Agarwal, and I. de la Torre Díez, "Automated medical diagnosis of COVID-19 through EfficientNet convolutional neural network," *Applied Soft Computing*, vol. 96, p. 106691, Nov. 2020, doi: 10.1016/j.asoc.2020.106691.
- [23] Mark Sandler, Andrew Howard, Menglong Zhu, Andrey Zhmoginov, Liang-Chieh Chen; Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2018, pp. 4510–4520
- [24] R. Mohammed, J. Rawashdeh and M. Abdullah, "Machine Learning with Oversampling and Undersampling Techniques: Overview Study and Experimental Results," 2020 11th International Conference on Information and Communication Systems (ICICS), Irbid, Jordan, 2020, pp. 243–248, doi: 10.1109/ICICS49469.2020.239556.
- [25] Jinjun Ren, Yuping Wang, Yiu-ming Cheung, Xiao Zhi Gao, Xiaofang Guo: Grouping-based Oversampling in Kernel Space for Imbalanced Data Classification. *Pattern Recognit.* 133: 108992 (2023)

- [26] S. Yadav and S. Shukla, "Analysis of k-Fold Cross-Validation over Hold-Out Validation on Colossal Datasets for Quality Classification," 2016 IEEE 6th International Conference on Advanced Computing (IACC), Bhimavaram, India, 2016, pp. 78-83, doi: 10.1109/IACC.2016.25.