

DAFTAR PUSTAKA

- [1] P. Bodavarapu and P. Srinivas, “Facial expression recognition for low resolution images using convolutional neural networks and denoising techniques,” *Indian J. Sci. Technol.*, vol. 14, pp. 971–983, 2021, doi: 10.17485/IJST/v14i12.14.
- [2] Y. Huang, F. Chen, S. Lv, and X. Wang, “Facial Expression Recognition: A Survey,” *Symmetry (Basel)*, vol. 11, p. 1189, 2019, doi: 10.3390/sym11101189.
- [3] P. Ekman, “An argument for basic emotions,” *Cogn. Emot.*, vol. 6, pp. 169–200, 1992.
- [4] A. Kołakowska, A. Landowska, M. Szwoch, W. Szwoch, and M. Wróbel, “Modeling emotions for affect-aware applications,” in *Information Systems Development and Applications*, Faculty of Management University of Gdańsk, 2015, pp. 55–67.
- [5] S. Almabdy and L. Elrefaei, “Deep Convolutional Neural Network-Based Approaches for Face Recognition,” *Appl. Sci.*, vol. 9, p. 4397, 2019, doi: 10.3390/app9204397.
- [6] A. F. Yaseen, “A Survey on the Layers of Convolutional Neural Networks,” *Int. J. Comput. Sci. Mob.*, vol. 7, no. 12, pp. 191–196, 2018.
- [7] S. Li and W. Deng, “Deep Facial Expression Recognition: A Survey,” *IEEE Trans. Affect. Comput.*, vol. PP, 2018, doi: 10.1109/TAFFC.2020.2981446.
- [8] T. Bezdan and N. Bacanin, “Convolutional Neural Network Layers and Architectures,” in *Sinteza 2019*, 2019, pp. 445–451, doi: 10.15308/Sinteza-2019-445-451.
- [9] H. Chen, “Semantic visual localization for visually impaired people,” 2020, doi: 10.13140/RG.2.2.11786.80320.
- [10] H. Yingge, I. Ali, and K.-Y. Lee, “Deep Neural Networks on Chip - A Survey,” in *2020 IEEE International Conference on Big Data and Smart Computing (BigComp)*, 2020, pp. 589–592, doi: 10.1109/BigComp48618.2020.00016.
- [11] N. Srivastava, G. Hinton, A. Krizhevsky, I. Sutskever, and R. Salakhutdinov, “Dropout: A Simple Way to Prevent Neural Networks from Overfitting,” *J. Mach. Learn. Res.*, vol. 15, pp. 1929–1958, 2014.
- [12] S. Ioffe and C. Szegedy, “Batch Normalization: Accelerating Deep Network Training by Reducing Internal Covariate Shift,” *CoRR*, vol. abs/1502.0, 2015, [Online]. Available: <http://arxiv.org/abs/1502.03167>.
- [13] Y. Guo, Y. Xia, J. Wang, H. Yu, and R.-C. Chen, “Real-Time Facial Affective Computing on Mobile Devices,” *Sensors*, vol. 20, p. 870, 2020,

doi: 10.3390/s20030870.

- [14] W. Hao, W. Yizhou, L. Yaqin, and S. Zhili, “The Role of Activation Function in CNN,” in *2020 2nd International Conference on Information Technology and Computer Application (ITCA)*, 2020, pp. 429–432, doi: 10.1109/ITCA52113.2020.00096.
- [15] J. Kim, O. Sangjun, Y. Kim, and M. Lee, “Convolutional Neural Network with Biologically Inspired Retinal Structure,” *Procedia Comput. Sci.*, vol. 88, pp. 145–154, 2016, doi: <https://doi.org/10.1016/j.procs.2016.07.418>.
- [16] A. Vedaldi and K. Lenc, “MatConvNet - Convolutional Neural Networks for {MATLAB},” *CoRR*, vol. abs/1412.4, 2014, [Online]. Available: <http://arxiv.org/abs/1412.4564>.
- [17] D. P. Kingma and J. Ba, “Adam: A Method for Stochastic Optimization,” *Conf. Pap. 3rd Int. Conf. Learn. Represent.*, 2015.
- [18] K. Simonyan and A. Zisserman, “Very Deep Convolutional Networks for Large-Scale Image Recognition,” *ICLR 2015*, 2015.
- [19] M. Ferguson, R. Ak, Y.-T. Lee, and K. Law, “Automatic localization of casting defects with convolutional neural networks,” in *Conference: IEEE International Conference on Big Data (Big Data)*, 2017, pp. 1726–1735, doi: 10.1109/BigData.2017.8258115.
- [20] S. Ghoneim, “Accuracy, Recall, Precision, F-Score & Specificity, which to optimize on?,” *Towards Data Science*, 2019. <https://towardsdatascience.com/accuracy-recall-precision-f-score-specificity-which-to-optimize-on-867d3f11124> (accessed Jul. 25, 2021).
- [21] Y. Fan, X. Lu, D. Li, and Y. Liu, “Video-Based Emotion Recognition Using CNN-RNN and C3D Hybrid Networks,” in *Proceedings of the 18th ACM International Conference on Multimodal Interaction*, 2016, pp. 445–450, doi: 10.1145/2993148.2997632.
- [22] A. Khanzada, C. Bai, and F. T. Celepcikay, “Facial Expression Recognition with Deep Learning,” *CoRR*, vol. abs/2004.1, 2020, [Online]. Available: <https://arxiv.org/abs/2004.11823>.