DAFTAR PUSTAKA

[1]   S. Zhang, X. Pan, Y. Cui, X. Zhao, and L. Liu, "Learning Affective Video Features for Facial Expression Recognition via Hybrid Deep Learning," *IEEE Access*, vol. 7, pp. 32297–32304, 2019, doi: 10.1109/ACCESS.2019.2901521.

[2]   C. Qi *et al.*, "Facial Expressions Recognition Based on Cognition and Mapped Binary Patterns," *IEEE Access*, vol. 6, pp. 18795–18803, 2018, doi: 10.1109/ACCESS.2018.2816044.

[3]   G. Yue and L. Lu, "Face Recognition Based on Histogram Equalization and Convolution Neural Network," *Proceedings - 2018 10th International Conference on Intelligent Human-Machine Systems and Cybernetics, IHMSC 2018*, vol. 1, pp. 336–339, 2018, doi: 10.1109/IHMSC.2018.00084.

[4]   N. Nour, M. Elhebir, and S. Viriri, "F ACE E XPRESSION R ECOGNITION USING C ONVOLUTION N EURAL N ETWORK (CNN) M ODELS," vol. 11, no. 1, pp. 1–11, 2020, doi: 10.5121/ijgca.2020.11401.

[5]   F. Altekin and H. Demir, "Emotion Detection from Facial Expression Using Different Feature Descriptor Methods with Convolutional Neural Networks," vol. 4, no. July, pp. 14–17, 2021.

[6]   B. Ko, H. G. Kim, and H. J. Choi, "Controlled dropout: A different dropout for improving training speed on deep neural network," *2017 IEEE International Conference on Systems, Man, and Cybernetics, SMC 2017*, vol. 2017-Janua, pp. 972–977, 2017, doi: 10.1109/SMC.2017.8122736.

[7]   Y. Ding, Q. Zhao, B. Li, and X. Yuan, "Facial Expression Recognition from Image Sequence Based on LBP and Taylor Expansion," *IEEE Access*, vol. 5, pp. 19409–19419, 2017, doi: 10.1109/ACCESS.2017.2737821.

[8]   Z. Zhang and M. Li, "Research on facial expression recognition based on neural network," *Proceedings - 2020 International Conference on Computer Network, Electronic and Automation, ICCNEA 2020*, pp. 78–81, 2020, doi: 10.1109/ICCNEA50255.2020.00025.

[9]   N. Hajarolasvadi and H. Demirel, "Deep facial emotion recognition in video using eigenframes," *IET Image Processing*, vol. 14, no. 14, pp. 3536–3546, 2020, doi: 10.1049/iet-ipr.2019.1566.

[10] A. F. Nafis, D. A. Navastara, and A. Yuniarti, "Facial Expression Recognition on Video Data with Various Face Poses Using Deep Learning," *ICITEE 2020 - Proceedings of the 12th International Conference on Information Technology and Electrical Engineering*, pp. 362–367, 2020, doi: 10.1109/ICITEE49829.2020.9271740.

[11] Y. Afriansyah, R. A. Nugrahaeni, and A. L. Prasasti, "Facial Expression Classification for User Experience Testing Using K-Nearest Neighbor," in *2021 IEEE International Conference on Industry 4.0, Artificial Intelligence, and Communications Technology (IAICT)*, Jul. 2021, pp. 63–68. doi: 10.1109/IAICT52856.2021.9532535.

[12] L. Hui and S. Yu-Jie, "Research on face recognition algorithm based on improved convolution neural network," *Proceedings of the 13th IEEE Conference on Industrial Electronics and Applications, ICIEA 2018*, pp. 2802–2805, 2018, doi: 10.1109/ICIEA.2018.8398186.

[13] F. A. Isman, A. L. Prasasti, and R. A. Nugrahaeni, "Expression Classification For User Experience Testing Using Convolutional Neural Network," in *2021 International Conference on Artificial Intelligence and Mechatronics Systems (AIMS)*, Apr. 2021, pp. 1–6. doi: 10.1109/AIMS52415.2021.9466088.

[14] S. Tammina, "Transfer learning using VGG-16 with Deep Convolutional Neural Network for Classifying Images," *International Journal of Scientific and Research Publications (IJSRP)*, vol. 9, no. 10, p. p9420, 2019, doi: 10.29322/ijsrp.9.10.2019.p9420.

[15] A. Ghosh, A. Sufian, F. Sultana, A. Chakrabarti, and D. De, *Fundamental concepts of convolutional neural network*, vol. 172, no. January. 2019. doi: 10.1007/978-3-030-32644-9_36.

[16] A. B. Jala, T. W. Purboyo, and R. A. Nugrahaeni, "Implementation of Convolutional Neural Network (CNN) Algorithm for Classification of Human Facial Expression in Indonesia," *2020 International Conference on Information Technology Systems and Innovation, ICITSI 2020 - Proceedings*, pp. 256–262, 2020, doi: 10.1109/ICITSI50517.2020.9264940.

[17] B. Li and D. Lima, "Facial expression recognition via ResNet-50," *International Journal of Cognitive Computing in Engineering*, vol. 2, pp. 57–64, 2021, doi: 10.1016/j.ijcce.2021.02.002.

[18] B. Taha and D. Hatzinakos, "Emotion Recognition from 2D Facial Expressions," *2019 IEEE Canadian Conference of Electrical and Computer Engineering, CCECE 2019*, pp. 1–4, 2019, doi: 10.1109/CCECE.2019.8861751.

[19] A. Çınar, M. Yıldırım, and Y. Eroğlu, "Classification of pneumonia cell images using improved ResNet50 model," *Traitement du Signal*, vol. 38, no. 1, pp. 165–173, 2021, doi: 10.18280/TS.380117.

[20] M. F. ul Aza, N. Suciati, and S. C. Hidayati, "Performance Study of Facial Expression Recognition Using Convolutional Neural Network," *2020 6th International Conference on Science in Information Technology: Embracing Industry 4.0: Towards Innovation in Disaster Management, ICSITech 2020*, pp. 121–126, 2020, doi: 10.1109/ICSITech49800.2020.9392070.

[21] J. K. Josephine Julina and T. S. Sharmila, "Facial Emotion Recognition in Videos using HOG and LBP," *2019 4th IEEE International Conference on Recent Trends on Electronics, Information, Communication and Technology, RTEICT 2019 - Proceedings*, pp. 56–60, 2019, doi: 10.1109/RTEICT46194.2019.9016766.

[22] E. D. S. Mulyani and J. P. Susanto, "Classification of maturity level of fuji apple fruit with fuzzy logic method," *2017 5th International Conference on Cyber and IT Service Management, CITSM 2017*, 2017, doi: 10.1109/CITSM.2017.8089294.