

DAFTAR PUSTAKA

- [1] R. Kosti, J. M. Alvarez, A. Recasens, and A. Lapedriza, “Emotion Recognition in Context,” in *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Honolulu, HI, Jul. 2017, pp. 1960–1968. doi: 10.1109/CVPR.2017.212.
- [2] A. Hassouneh, A. M. Mutawa, and M. Murugappan, “Development of a Real-Time Emotion Recognition System Using Facial Expressions and EEG based on machine learning and deep neural network methods,” *Inform. Med. Unlocked*, vol. 20, p. 100372, 2020, doi: 10.1016/j.imu.2020.100372.
- [3] X. Sun, P. Xia, and F. Ren, “Multi-attention based Deep Neural Network with hybrid features for Dynamic Sequential Facial Expression Recognition,” *Neurocomputing*, p. S0925231220317756, Nov. 2020, doi: 10.1016/j.neucom.2019.11.127.
- [4] B. T. Nguyen, M. H. Trinh, T. V. Phan, and H. D. Nguyen, “An efficient real-time emotion detection using camera and facial landmarks,” in *2017 Seventh International Conference on Information Science and Technology (ICIST)*, Da Nang, Vietnam, Apr. 2017, pp. 251–255. doi: 10.1109/ICIST.2017.7926765.
- [5] B. Li and D. Lima, “Facial expression recognition via ResNet-50,” *Int. J. Cogn. Comput. Eng.*, vol. 2, pp. 57–64, Jun. 2021, doi: 10.1016/j.ijcce.2021.02.002.

- [6] Samadiani *et al.*, “A Review on Automatic Facial Expression Recognition Systems Assisted by Multimodal Sensor Data,” *Sensors*, vol. 19, no. 8, p. 1863, Apr. 2019, doi: 10.3390/s19081863.
- [7] W. B. Putra and F. Arifin, “Real-Time Emotion Recognition System to Monitor Student’s Mood in a Classroom,” *J. Phys. Conf. Ser.*, vol. 1413, p. 012021, Nov. 2019, doi: 10.1088/1742-6596/1413/1/012021.
- [8] M. I. N. P. Munasinghe, “Facial Expression Recognition Using Facial Landmarks and Random Forest Classifier,” in *2018 IEEE/ACIS 17th International Conference on Computer and Information Science (ICIS)*, Singapore, Jun. 2018, pp. 423–427. doi: 10.1109/ICIS.2018.8466510.
- [9] Y. Chen, J. Wang, S. Chen, Z. Shi, and J. Cai, “Facial Motion Prior Networks for Facial Expression Recognition,” *ArXiv190208788 Cs*, Dec. 2019, Accessed: Apr. 01, 2021. [Online]. Available: <http://arxiv.org/abs/1902.08788>
- [10] M. Rahimzadeh and A. Attar, “A modified deep convolutional neural network for detecting COVID-19 and pneumonia from chest X-ray images based on the concatenation of Xception and ResNet50V2,” *Inform. Med. Unlocked*, vol. 19, p. 100360, 2020, doi: 10.1016/j.imu.2020.100360.
- [11] A. P. Polii, H. Fitriyah, and I. Arwani, “Implementasi K-Nearest Neighbor untuk Klasifikasi Ekspresi Wajah Berdasarkan Data Muscle Sensor dan Berbasis Arduino,” p. 8, 2019.

- [12] R. A. Rizal *et al.*, “ANALISIS GRAY LEVEL CO-OCCURRENCE MATRIX (GLCM) DALAM MENGENALI CITRA EKSPRESI WAJAH,” vol. 3, no. 2, p. 8, 2019.
- [13] F. Fridayanti and E. A. Fitriah, “Why and how am I angry? Exploring the causes and expressions of anger of the Islamic Sundanese adolescents,” *J. Psikol. Ulayat*, Sep. 2020, doi: 10.24854/jpu193.
- [14] J. Zeng, S. Shan, and X. Chen, “Facial Expression Recognition with Inconsistently Annotated Datasets,” in *Computer Vision – ECCV 2018*, vol. 11217, V. Ferrari, M. Hebert, C. Sminchisescu, and Y. Weiss, Eds. Cham: Springer International Publishing, 2018, pp. 227–243. doi: 10.1007/978-3-030-01261-8_14.
- [15] P. Aswari and N. E. Diana, “IDENTIFIKASI EMOSI BERDASARKAN ACTION UNIT MENGGUNAKAN METODE BÉZIER CURVE,” *SINERGI*, vol. 20, no. 1, p. 74, Feb. 2016, doi: 10.22441/sinergi.2016.1.010.
- [16] S. A. Baqi, “Pengaruh Pelatihan Manajemen Emosi untuk Meningkatkan Regulasi Emosi dan Ekspresi Emosi dalam Konteks Keluarga,” p. 7, 2018.
- [17] J. Pardede, I. A. Dewi, and A. B. Kurnia, “MENENTUKAN EKSPRESI WAJAH DENGAN METODE K-MEANS KLUSTERING,” p. 5, 2016.
- [18] A. Fratesi, “Automated Real Time Emotion Recognition Using Facial Expression Analysis,” Master of Computer Science, Carleton University, Ottawa, Ontario, 2016. doi: 10.22215/etd/2016-11318.

- [19] D. N. Asri and T. Chusniah, “EMOSI DITINJAU DARI PERSPEKTIF MULTIBUDAYA,” p. 8, 2016.
- [20] H. J. G. Palacios, R. A. J. Toledo, G. A. H. Pantoja, and Á. A. M. Navarro, “A comparative between CRISP-DM and SEMMA through the construction of a MODIS repository for studies of land use and cover change,” *Adv. Sci. Technol. Eng. Syst. J.*, vol. 2, no. 3, pp. 598–604, Jun. 2017, doi: 10.25046/aj020376.
- [21] S. Huber, H. Wiemer, D. Schneider, and S. Ihlenfeldt, “DMME: Data mining methodology for engineering applications – a holistic extension to the CRISP-DM model,” *Procedia CIRP*, vol. 79, pp. 403–408, 2019, doi: 10.1016/j.procir.2019.02.106.
- [22] C. Schröer, F. Kruse, and J. M. Gómez, “A Systematic Literature Review on Applying CRISP-DM Process Model,” *Procedia Comput. Sci.*, vol. 181, pp. 526–534, 2021, doi: 10.1016/j.procs.2021.01.199.
- [23] L. Alzubaidi, “Review of deep learning: concepts, CNN architectures, challenges, applications, future directions,” p. 74, 2021.
- [24] C. Shorten and T. M. Khoshgoftaar, “A survey on Image Data Augmentation for Deep Learning,” *J. Big Data*, vol. 6, no. 1, p. 60, Dec. 2019, doi: 10.1186/s40537-019-0197-0.
- [25] S. Li and W. Deng, “Deep Facial Expression Recognition: A Survey,” *IEEE Trans. Affect. Comput.*, pp. 1–1, 2020, doi: 10.1109/TAFFC.2020.2981446.

- [26] N. I. R. Amalia and J. Y. Sari, “Mengidentifikasi Mood Mahasiswa Berdasarkan Ekspresi Wajah dengan Menggunakan Discrete Wavelet Transform dan Fuzzy K-Nearest Neighbor,” p. 5, 2019.
- [27] S. Li, W. Deng, and J. Du, “Reliable Crowdsourcing and Deep Locality-Preserving Learning for Expression Recognition in the Wild,” in *2017 IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, Honolulu, HI, Jul. 2017, pp. 2584–2593. doi: 10.1109/CVPR.2017.277.
- [28] T. Mauritsius, “Bank Marketing Data Mining using CRISP-DM Approach,” *Int. J. Adv. Trends Comput. Sci. Eng.*, vol. 8, no. 5, pp. 2322–2329, Oct. 2019, doi: 10.30534/ijatcse/2019/71852019.
- [29] Z. Alom, T. M. Taha, C. Yakopcic, S. Westberg, P. Sidike, and M. S. Nasrin, “The History Began from AlexNet: A Comprehensive Survey on Deep Learning Approaches,” p. 39, 2017.
- [30] A. Gullì and S. Pal, *Deep learning with Keras: implement neural networks with Keras on Theano and TensorFlow*. Birmingham Mumbai: Packt, 2017.