

## **Daftar Pustaka**

- [1] Y. Pratama, M. Istoningtyas, and E. Rasywir, “Pengujian Algoritma MTCNN (Multi-task Cascaded Convolutional Neural Network) untuk Sistem Pengenalan Wajah,” *J. Media Inform. Budidarma*, vol. 3, no. 3, p. 240, 2019
- [2] R. R. Reynaldo and I. Maliki, “Pengenalan Ekspresi Wajah dengan Metode Viola Jones dan Convolutional Neural Network,” *Komputika J. Sist. Komput.*, vol. 10, no. 1, pp. 1–9, 2021
- [3] I. Azhari, A. R. Sanjaya, A. R. Sanjaya, D. Wajah, D. Learning, and C. N. Network, “Implementasi Algoritma Convolutional Neural Network Dalam Deteksi Emosi Manusia,” vol. 1, no. 1, pp. 112–118, 2020.
- [4] M. Jannah, A. A. Nababan, and R. P. Lunak, “Unjuk Kerja Algoritma Widrow-Hoff Dalam,” *J. Mantik Penusa*, vol. 3, no. 2, pp. 102–109, 2019.
- [5] A. Ghofrani, R. M. Toroghi, and S. Ghanbari, “Realtime Face-Detection and Emotion Recognition Using MTCNN and miniShuffleNet V2,” *2019 IEEE 5th Conf. Knowl. Based Eng. Innov. KBEI 2019*, pp. 817–821, 2019
- [6] Y. Chai, J. Liu, and Y. Li, “Facial target detection and keypoints location study using MTCNN model,” *J. Phys. Conf. Ser.*, vol. 2010, no. 1, pp. 1–7, 2021
- [7] L. B. Rahmadi, K. M. Lhaksmana, and D. Rhomanzah, “LBP Advantages over CNN Face Detection Method on Facial Recognition System in NOVA Robot,” vol. 5, no. September, pp. 67–80
- [8] F. Rahman, I. J. Ritun, N. Farhin, and J. Uddin, “An Assistive model for visually impaired people using YOLO and MTCNN,” *ACM Int. Conf. Proceeding Ser.*, no. January 2021, pp. 225–230, 2019
- [9] Di. Gyawali, P. Pokharel, A. Chauhan, and S. C. Shakya, “Age Range Estimation Using MTCNN and VGG-Face Model,” *2020 11th Int. Conf. Comput. Commun. Netw. Technol. ICCCNT 2020*

- [10] R. Karmakar, "Facial Attendance System Using MTCNN And Feature Mapping," vol. 5, no. 4, pp. 546–550, 2020.
- [11] A. Zein, "Pendeteksian Kantuk Secara Real Time Menggunakan Pustaka OPENCV dan DLIB PYTHON," Sainstech J. Penelit. dan Pengkaj. Sains dan Teknol., vol. 28, no. 2, pp. 22–26, 2018
- [12] M. V. Overbeek, "Histogram of Oriented Gradient Untuk Deteksi Ekspresi Wajah Manusia," High Educ. Organ. Arch. Qual. J. Teknol. Inf., vol. 10, no. 2, pp. 81–86, 2018
- [13] A. Susanto, "Penerapan Operasi Morfologi Matematika Citra Digital Untuk Ekstraksi Area Plat Nomor Kendaraan Bermotor," Pseudocode, vol. 6, no. 1, pp. 49–57, 2019
- [14] A. R. Wiyono and E. M. Imah, "Pengenalan Citra Ekspresi Wajah Menggunakan Algoritma Principal Component Analysis (Pca) Dan Extreme Learning Machine (Elm)," J. Ilm. Mat., vol. 6, no. 2, pp. 2–6, 2018.
- [15] J. D. Kelleher, The Deep Learning. 2019.
- [16] Y. G. Xie, H. Wang, and S. H. Guo, "Research on MTCNN face recognition system in low computing power scenarios," J. Internet Technol., vol. 21, no. 5, pp. 1463–1475, 2020
- [17] N. Zhang, J. Luo, and W. Gao, "Research on face detection technology based on MTCNN," Proc. - 2020 Int. Conf. Comput. Network, Electron. Autom. ICCNEA 2020, pp. 154–158, 2020
- [18] M. Canesche, L. Bragaña, O. P. V. Neto, J. A. Nacif and R. Ferreira, "Google Colab CAD4U: Hands-On Cloud Laboratories for Digital Design," 2021 IEEE International Symposium on Circuits and Systems (ISCAS), 2021, pp. 1-5
- [19] KARSITO, Karsito; SUSANTI, Santi. Klasifikasi Kelayakan Peserta Pengajuan Kredit Rumah Dengan Algoritma Naïve Bayes Di Perumahan Azzura Residencia. Jurnal SIGMA, [S.I.], v. 9, n. 3, p. Halaman 43 - 48,

mar. 2019. ISSN 2407-3903.

- [20] T. Hope, Y. S and I. Lieder, Learning Tensorflow, Sebastopol: O'Reilly Media, 2017.
- [21] Tensorflow, "Introduction How To Use Tensorflow," [Online]. Available: <https://www.tensorflow.org/about/>. [Accessed 14 Agustus 2022]
- [22] K. He, X. Zhang, S. Ren, and J. Sun, "Deep residual learning for image recognition," Proc. IEEE Comput. Soc. Conf. Comput. Vis. Pattern Recognit., vol. 2016-Decem, pp. 770–778, 2016
- [23] Adhinata, F., Rakhmadani, D., Wibowo, M. and Jayadi, A., 2021. A Deep Learning Using DenseNet201 to Detect Masked or Non-masked Face. JUITA: Jurnal Informatika, 9(1), p.115.
- [24] M. A. Pangestu and H. Bunyamin, "Analisis Performa dan Pengembangan Sistem Deteksi Ras Anjing pada Gambar dengan Menggunakan Pre-Trained CNN Model," J. Tek. Inform. dan Sist. Inf., vol. 4, pp. 337–344, 2018.
- [25] M. S. Zia and M. A. Jaffar, "An adaptive training based on classification system for patterns in facial expressions using SURF descriptor templates," Multimed. Tools Appl., vol. 74, no. 11, pp. 3881–3899, 2015.
- [26] Faiz Nashrullah, Suryo Adhi Wibowo, and Gelar Budiman, "The Investigation of Epoch Parameters in ResNet-50 Architecture for Pornographic Classification," Journal of Computer, Electronic, and Telecommunication, vol. 1, no. 1, Jul. 2020
- [27] "A Comprehensive Guide on Deep Learning Optimizers," Analytics Vidhya, Oct. 07, 2021. <https://www.analyticsvidhya.com/blog/2021/10/a-comprehensive-guide-on-deep-learning-optimizers/#:~:text=The%20results%20of%20the%20Adam> (diakses Aug. 23, 2022).
- [28] I. Markoulidakis, I. Rallis, I. Georgoulas, G. Kopsiaftis, A. Doulamis, and N. Doulamis, "Multiclass Confusion Matrix Reduction Method and Its

Application on Net Promoter Score Classification Problem,”  
Technologies, vol. 9, no. 4, p. 81, Nov. 2021