

DAFTAR PUSTAKA

- [1] Z. Muarifin, D. Darlis, S. Si, A. Novianti, dan S. St, “Perencanaan Dan Impelementasi Image Processing Untuk Absensi Kehadiran Design And Implementation Of Image Processing For Absence Attendance,” 2020.
- [2] D. Wajah, dan Mata Menggunakan Algoritma Viola-Jones, R. Mayasari, dan K. Ahmad Baihaqi Universitas Buana Perjuangan Karawang Karawang, “Techno Xplore Jurnal Ilmu Komputer dan Teknologi Informasi Penerapan Haar Cascade Classification Model untuk,” 2020.
- [3] A. Hendrianto Pratomo, Y. Florestyanto, dan N. I. Sari, “Prosiding Seminar Nasional Komunikasi dan Informatika #3 Tahun,” 2019.
- [4] F. R. Setiawan dan Dewi Agushinta, “Sistem Pengenalan Wajah Dengan Metode Local Binary Pattern Histogram Pada Firebase Berbasis Opencv,” *Seminar Nasional Teknologi Informasi dan Komunikasi STI&K (SeNTIK)*, vol. 4, no. 1, hlm. 16424, 2020.
- [5] S. Abidin, “Deteksi Wajah Menggunakan Metode Haar Cascade Classifier Berbasis Web cam Pada Matlab,” *Jurnal Teknologi Elekterika*, vol. 2, no. 1, hlm. 21, Mei 2018, doi: 10.31963/elekterika.v2i1.2102.
- [6] A. Presensi... dkk., “Aplikasi Presensi Pengenalan Wajah Dengan Menggunakan Algoritma Haar Cascade Classifier,” 2019.
- [7] B. Santoso dan R. P. Kristianto, “Implementasi Penggunaan Opencv Pada Face Recognition Untuk Sistem Presensi Perkuliahian Mahasiswa,” Yogyakarta, 2020.
- [8] A. Hendrianto Pratomo, Y. Florestyanto, dan N. I. Sari, “Prosiding Seminar Nasional Komunikasi dan Informatika #3 Tahun,” 2019.
- [9] R. Prathivi dan Y. Kurniawati, “Sistem Presensi Kelas Menggunakan Pengenalan Wajah Dengan Metode Haar Cascade Classifier,” *Jurnal SIMETRIS*, vol. 11, no. 1, 2020.

- [10] M. Khul Janah dkk., “Sistem Pencatatan Kehadiran Deteksi Wajah Menggunakan Metode Haar Feature Cascade Classifier,” *Jurnal Ilmiah GIGA*, vol. 24, no. 1, hlm. 2021–2030, doi: 10.47313/jig.v%vi%.1134.
- [11] Bernard Marr Dan Matt Ward, *Artificial Intelligence In Practice*, Digital. Jakarta: PT Elex Media Komputindo, 2021.
- [12] “Schematic of the conventional relationship between artificial. | Download Scientific Diagram.” https://www.researchgate.net/figure/Schematic-of-the-conventional-relationship-between-artificial-intelligence-AI-machine_fig2_357234810 (diakses 23 Januari 2023).
- [13] D. I. Ibnu, *Machine Learning Teori, Studi Kasus dan Implementasi Menggunakan Python*. 2021.
- [14] N. H. HARANI dan M. HASANAH, *Deteksi Objek Dan Pengenalan Karakter Plat Nomer Kendaraan Indonesia Berbasis Python*. 2020.
- [15] X. Wang, D. Kihara, J. Luo, dan G. J. Qi, “EnAET: A Self-Trained Framework for Semi-Supervised and Supervised Learning with Ensemble Transformations,” *IEEE Transactions on Image Processing*, vol. 30, hlm. 1639–1647, 2021, doi: 10.1109/TIP.2020.3044220.
- [16] Dr.Yaya Heryadi dan Dr. Edy Irwansyah, *Deep Learning Dan Aplikasinya Di Bidang Informasi Geospasial*. Depok: PT.Artifisia Wahana Informa Teknologi.
- [17] “Machine Learning – Supervised and Unsupervised Learning – Himpunan Mahasiswa Matematika.” <https://student-activity.binus.ac.id/himmat/2021/03/machine-learning-supervised-and-unsupervised-learning/> (diakses 23 Januari 2023).
- [18] A. el Hibaoui, M. Essaaidi, Y. Zaz, dan Institute of Electrical and Electronics Engineers, *Proceedings of 2018 6th International Conference on Multimedia Computing and Systems (ICMCS)*.
- [19] Muttaqin dkk., *BIOMETRIKA TEKNOLOGI IDENTIFIKASI*, E-Book. Yayasan kita Menulis, 2020.

- [20] lee vaughan, *REAL WORLD PYTHON a hacker's guide to solving problems with code*, E-Book. San Francisco: William Pollock, 2021.
- [21] “General structure of face recognition system | Download Scientific Diagram.” https://www.researchgate.net/figure/General-structure-of-face-recognition-system_fig1_337834311 (diakses 23 Januari 2023).
- [22] G. A. Anarki, K. Auliasari, dan M. Orisa, “Penerapan Metode Haar Cascade Pada Aplikasi Deteksi Masker,” 2021.
- [23] M. Kamel, “Image Analysis and Recognition”.
- [24] Institute of Electrical and Electronics Engineers. Indonesia Section dan Institute of Electrical and Electronics Engineers, “Real Time Detection on Face Side Image with Ear Biometric Imaging Using Integral Image and HaarLike Feature,” 2018.
- [25] “Model cascade đã huấn luyện - THI GIÁC MÁY TÍNH.” <https://thigiacmaytinh.com/model-cascade-da-huan-luyen/> (diakses 23 Januari 2023).
- [26] C. Rahmad, R. A. Asmara, D. R. H. Putra, I. Dharma, H. Darmono, dan I. Muhiqqin, “Comparison of Viola-Jones Haar Cascade Classifier and Histogram of Oriented Gradients (HOG) for face detection,” dalam *IOP Conference Series: Materials Science and Engineering*, Institute of Physics Publishing, Jan 2020. doi: 10.1088/1757-899X/732/1/012038.
- [27] alwan suryansah, roni habibi, dan roddy maulana awangga, *penggunaan face recognition untuk akses ruangan*. 2020.
- [28] Yuslena Sari, *Ekstraksi Fitur Dan Aplikasinya Pada Citra 2D*, E-Book., vol. I. Lampung: CV Perahu Litera Group, 2022.
- [29] “FaceMe® - The Best Facial Recognition Software for Businesses and Developers CyberLink.” https://www.cyberlink.com/faceme?affid=2581_1_1052&keyword=Longtail-Generic&mwid=s&pclid=618670306274&pkw=face%20recognition&pmt=p&pdv=c&gclid=CjwKCAiA2rOeBhAsEiwA2Pl7Qy1q0ipoioZNwjUFICi6n4M7NP

Umq8lx3FUNv2nMKTPbYSnMlIVEkxoCzuoQAvD_BwE (diakses 23 Januari 2023).

- [30] D. Agung Al Ayubi *dkk.*, “Pendeteksi Wajah Secara Real Time pada 2 Degree of Freedom (DOF) Kepala Robot Menggunakan Deep Integral Image Cascade.”
- [31] H. Sajati, “The Effect of Peak Signal to Noise Ratio (PSNR) Values on Object Detection Accuracy in Viola Jones Method,” *Conference SENATIK STT Adisutjipto Yogyakarta*, vol. 4, Nov 2018, doi: 10.28989/senatik.v4i0.139.
- [32] S. S. T. ,MIT. Ummy Gusti Salamah dan S. kom. , M. Ti. Risma Ekawati, *Pengolahan Citra Digital*, E-Book. jawa barat: CV. MEDIA SAINS INDONESIA, 2021.
- [33] “How to implement Sobel edge detection using Python from scratch - A Developer Diary.” <http://www.adeveloperdiary.com/data-science/computer-vision/how-to-implement-sobel-edge-detection-using-python-from-scratch/> (diakses 23 Januari 2023).
- [34] Ajit dan Ravi, *Numpy Simply in Depth*, E-Book. 2021.
- [35] “Array objects — NumPy v1.24 Manual.” <https://numpy.org/doc/stable/reference/arrays.html> (diakses 25 Januari 2023).
- [36] *Mengolah Data dengan pythone dan pandas*. 2020.
- [37] Fabio NELLI, *Pandas In 7 Days*, First., vol. First. india: BPB Publications, 2022.
- [38] A. Kaehler dan G. Bradski, “Opencv 3 Computer Vision In C++ With The Opencv Library.”
- [39] Bhaumik Vaidya, *Hands-on GPU-Accelerated Computer Vision With OpenCV and CUDA*, E-Book., vol. first. Livery Street: Packt Publishing Ltd., 2018.
- [40] Risnaldy Fatwa Muharram, “Implementasi Artificial Intelligence Untuk Deteksi Masker Secara Realtime Dengan Tensorflow Dan Ssd Mobilenet Berbasis Python,” *Implementasi Artificial Intelligence Untuk Deteksi Masker Secara Realtime Dengan Tensorflow Dan Ssd Mobilenet Berbasis Python*, vol. 01, 2021.

- [41] P. Nyoman dan Putu Kusuma Negara, “Deteksi Masker Pencegahan Covid19 Menggunakan Convolutional Neural Network Berbasis Android,” *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 5, no. 3, hlm. 576–583, Jun 2021, doi: 10.29207/resti.v5i3.3103.
- [42] P. Lemenkova, “Python libraries matplotlib, seaborn and pandas for visualization geospatial datasets generated by QGIS,” vol. LXIV, 2020, [Daring]. Tersedia pada: <https://ssrn.com/abstract=3699706>
- [43] Ali Hassan Sial, Syed Yahya Shah Rashdi, dan Dr. Abdul Hafeez Khan, “Comparative Analysis of Data Visualization Libraries Matplotlib and Seaborn in Python,” *International Journal of Advanced Trends in Computer Science and Engineering*, vol. 10, no. 1, hlm. 277–281, Feb 2021, doi: 10.30534/ijatcse/2021/391012021.
- [44] R. E. Saragih dan Q. H. To, “A Survey of Face Recognition Based on Convolutional Neural Network,” 2022.
- [45] Z. Ming, Z. Yu, M. Al-Ghadi, M. Visani, M. MuzzamilLuqman, dan J.-C. Burie, “ViTransPAD: Video Transformer using convolution and self-attention for Face Presentation Attack Detection,” Mar 2022, [Daring]. Tersedia pada: <http://arxiv.org/abs/2203.01562>
- [46] S. Vivian dan H. S. Rismon, *Langkah Demi Langkah Pemrograman Aplikasi Python Gui*. 2019.
- [47] Alan D.Moore, *Python GUI Programming With Tkinter*, E-Book., vol. frist. Livery Place: Packt Publishing Ltd, 2018.