

DAFTAR PUSTAKA

- [1] G. C. Nwalozie, A. N. Aniedu, C. S. Nwokoye, and I. E. Abazuonu, "Enhancing Home Security Using SMS-based Intruder Detection System," *Int. J. Comput. Sci. Mob. Comput.*, vol. 4, no. 6, pp. 1177–1184, 2015.
- [2] Indra Kurniawan, "Pencurian Rumah Kosong Dominasi Angka Kriminalitas di Kota Bandung Sepanjang 2020," *PRFM NEWS*, 2020. <https://prfmnews.pikiran-rakyat.com/bandung-raya/pr-131196120/pencurian-rumah-kosong-dominasi-angka-kriminalitas-di-kota-bandung-sepanjang-2020>.
- [3] K. Challa, K. Boddupally, and M. Lakha, "An Intelligent Automate Door Access Control and Home Security System Based on Face Recognition," pp. 437–442, 2017, [Online]. Available: www.ijsetr.com.
- [4] D. A. R. Wati and D. Abadianto, "Design of face detection and recognition system for smart home security application," *Proc. - 2017 2nd Int. Conf. Inf. Technol. Inf. Syst. Electr. Eng. ICITISEE 2017*, vol. 2018-Janua, pp. 342–347, 2018, doi: 10.1109/ICITISEE.2017.8285524.
- [5] N. Dewi and F. Ismawan, "Implementasi Deep Learning Menggunakan Convolutional Neural Network untuk Sistem Pengenalan Wajah," *Algor*, vol. 14, no. 1, p. 2, 2021, doi: 10.30998/faktorexacta.v14i1.8989.
- [6] K. B. Pranav and J. Manikandan, "Design and Evaluation of a Real-Time Face Recognition System using Convolutional Neural Networks," *Procedia Comput. Sci.*, vol. 171, no. 2019, pp. 1651–1659, 2020, doi: 10.1016/j.procs.2020.04.177.
- [7] K.-C. K. MaYing, "CNN Based 2D and 2.5D Face Recognition For Home Security System," vol. 14, no. 6, pp. 1207–1214, 2019.
- [8] S. R. Benedict and J. S. Kumar, "Geometric shaped facial feature extraction for face recognition," *2016 IEEE Int. Conf. Adv. Comput. Appl. ICACA 2016*, pp. 275–278, 2017, doi: 10.1109/ICACA.2016.7887965.
- [9] M. Coskun, A. Ucar, O. Yildirim, and Y. Demir, "Face recognition based on convolutional neural network," *Proc. Int. Conf. Mod. Electr. Energy Syst. MEES 2017*, vol. 2018-Janua, pp. 376–379, 2017, doi: 10.1109/MEES.2017.8248937.
- [10] Q. Xiaoyan, "Face recognition algorithm based on AAM and FNN," *Proc. - 2014 5th Int. Conf. Intell. Syst. Des. Eng. Appl. ISDEA 2014*, pp. 464–468, 2014, doi: 10.1109/ISDEA.2014.112.
- [11] M. Athoillah, "Pengenalan Wajah Menggunakan SVM Multi Kernel dengan Pembelajaran yang Bertambah," *J. Online Inform.*, vol. 2, no. 2, p. 84, 2018, doi: 10.15575/join.v2i2.109.
- [12] R. Angeline, K. Kavithvajan, T. Balaji, M. Saji, and S. R. Sushmitha,

- “CNN integrated with HOG for efficient face recognition,” *Int. J. Recent Technol. Eng.*, vol. 7, no. 6, pp. 1657–1661, 2019.
- [13] S. Sriyati, A. Setyanto, and E. E. Luthfi, “Literature Review: Pengenalan Wajah Menggunakan Algoritma Convolutional Neural Network,” *J. Teknol. Inf. dan Komun.*, vol. 8, no. 2, 2020, doi: 10.30646/tikomsin.v8i2.463.
- [14] Suyanto, *Machine Learning Tingkat Dasar dan Lanjut*, I. Bandung: Informatika Bandung, 2018.
- [15] S. Jindal and D. Gupta, “A study of face recognition techniques,” vol. 1, pp. 653–661, 2016.
- [16] A. B. Shetty, Bhoomika, Deeksha, J. Rebeiro, and Ramyashree, “Facial recognition using Haar cascade and LBP classifiers,” *Glob. Transitions Proc.*, vol. 2, no. 2, pp. 330–335, 2021, doi: 10.1016/j.gltp.2021.08.044.
- [17] Arnav Madan, “Face Recognition using Haar Cascade Classifier,” *Int. J. Mod. Trends Sci. Technol.*, vol. 7, no. 01, pp. 85–87, 2021, doi: 10.46501/ijmtst070119.
- [18] S. Abidin, “Deteksi Wajah Menggunakan Metode Haar Cascade Classifier Berbasis Webcam Pada Matlab,” *J. Teknol. Elekterika*, vol. 15, no. 1, p. 21, 2018, doi: 10.31963/elekterika.v15i1.2102.
- [19] M. Tyagi, “Viola Jones Algorithm and Haar Cascade Classifier,” *toward data science*, 2021. <https://towardsdatascience.com/viola-jones-algorithm-and-haar-cascade-classifier-ee3bfb19f7d8> (accessed Jul. 07, 2022).
- [20] Vincent Tabora, “Face Detection Using OpenCV With Haar Cascade Classifiers,” *Becoming Human: Artificial Intelligence Magazine*, 2019. <https://becominghuman.ai/face-detection-using-opencv-with-haar-cascade-classifiers-941dbb25177> (accessed Aug. 09, 2022).
- [21] G. S. Behera, “Face Detection with Haar Cascade,” *toward data science*, 2020. <https://towardsdatascience.com/face-detection-with-haar-cascade-727f68dafd08> (accessed Jul. 07, 2022).
- [22] W. S. Eka Putra, “Klasifikasi Citra Menggunakan Convolutional Neural Network (CNN) pada Caltech 101,” *J. Tek. ITS*, vol. 5, no. 1, 2016, doi: 10.12962/j23373539.v5i1.15696.
- [23] H. Abhirawan, Jondri, and A. Arifianto, “Pengenalan Wajah Menggunakan Convolutional Neural Networks (CNN),” *e-Proceeding Eng.*, vol. 4, no. 3, pp. 4907–4916, 2017, [Online]. Available: https://openlibrary.telkomuniversity.ac.id/pustaka/files/137607/jurnal_eproc/pengenalan-wajah-menggunakan-convolutional-neural-network.pdf.
- [24] Qolbiyatul Lina, “Apa itu Convolutional Neural Network,” *medium.com*, 2019. <https://medium.com/@16611110/apa-itu-convolutional-neural->

network-836f70b193a4 (accessed Oct. 23, 2021).

- [25] stanford.edu, “CS231n Convolutional Neural Network for Visual Recognition,” *CS231n Home*, 2020. <https://cs231n.github.io/convolutional-networks/#conv> (accessed Oct. 20, 2021).
- [26] Sumit Daha, “A Comprehensive Guide to Convolutional Neural Networks,” *toward data science*, 2018. <https://towardsdatascience.com/a-comprehensive-guide-to-convolutional-neural-networks-the-eli5-way-3bd2b1164a53> (accessed Nov. 06, 2021).
- [27] G. De and N.-G. Marsella, “FC-51: IR Infrared Obstacle Detection Sensor Module,” *FC-51: Infrared*, pp. 1–9, 2016.
- [28] Raspberry pi, “Raspberry Pi 4 Tech Specs,” *Raspberry pi.com*, 2019. <https://www.raspberrypi.com/products/raspberry-pi-4-model-b/specifications/> (accessed Nov. 10, 2021).