

DAFTAR PUSTAKA

- [1] I. Fareza, R. Busdin, M. E. al Rivan, and H. Irsyad, "Pengenalan Alfabet Bahasa Isyarat Amerika Menggunakan Edge Oriented Histogram dan Image Matching," *Jurnal Teknik Informatika dan Sistem Informasi*, vol. 4, no. 1, Apr. 2018, doi: 10.28932/jutisi.v4i1.747.
- [2] M. Mirfan, "Media Pembelajaran Fingerspelling Alphabet untuk Penderita Tunarungu dan Tunawicara Berbasis Android," *Inspiration: Jurnal Teknologi Informasi dan Komunikasi*, vol. 11, no. 1, p. 13, Jun. 2021, doi: 10.35585/inspir.v11i1.2607.
- [3] Adi Ahdiat, "Ada 1,3 Miliar Penyandang Disabilitas, Ini Ragam Kondisi Kesehatannya," *Katadata.co.id*, Dec. 2022.
- [4] Elissa Rosen, "History of ASL," 2005. [Online]. Available: iml.jou.ufl.edu/projects/fall05/rosen/history.html.
- [5] Ridwang, Syafaruddin, A. A. Ilham, and I. Nurtanio, "Indonesian Sign Language Letter Interpreter Application Using Leap Motion Control based on Naïve Bayes Classifier," *IOP Conference Series: Materials Science and Engineering*, vol. 676, no. 1, p. 012012, Nov. 2019, doi: 10.1088/1757-899X/676/1/012012.
- [6] S. Ren, K. He, R. Girshick, and J. Sun, "Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks," *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 39, no. 6, pp. 1137–1149, Jun. 2017, doi: 10.1109/TPAMI.2016.2577031.
- [7] S. Albahli, M. Nawaz, A. Javed, and A. Irtaza, "An improved faster-RCNN model for handwritten character recognition," *Arabian*

- Journal for Science and Engineering*, vol. 46, no. 9, pp. 8509–8523, Sep. 2021, doi: 10.1007/s13369-021-05471-4.
- [8] Y. Nan, J. Ju, Q. Hua, H. Zhang, and B. Wang, “A-MobileNet: An approach of facial expression recognition,” *Alexandria Engineering Journal*, vol. 61, no. 6, pp. 4435–4444, Jun. 2021, doi: 10.1016/j.aej.2021.09.066.
- [9] D. McNeely-White, J. R. Beveridge, and B. A. Draper, “Inception and ResNet features are (almost) equivalent,” *Cognitive Systems Research*, vol. 59, pp. 312–318, Jan. 2019, doi: 10.1016/j.cogsys.2019.10.004.
- [10] J. Redmon, S. Divvala, R. Girshick, and A. Farhadi, “You Only Look Once: Unified, Real-Time Object Detection,” *arXiv:1506.02640*, Jun. 2015.
- [11] A. A. Pratama, M. D. Sulistiyo, and A. F. Ihsan, “Balinese Script Handwriting Recognition Using Faster R-CNN,” *Jurnal RESTI (Rekayasa Sistem dan Teknologi Informasi)*, vol. 7, no. 6, pp. 1268–1275, Nov. 2023, doi: 10.29207/resti.v7i6.5176.
- [12] X. Sun, P. Wu, and S. C. H. Hoi, “Face detection using deep learning: An improved faster RCNN approach,” *Neurocomputing*, vol. 299, pp. 42–50, Jul. 2018, doi: 10.1016/j.neucom.2018.03.030.
- [13] Y. Zhou, S. Wen, D. Wang, J. Mu, and I. Richard, “Object detection in autonomous driving scenarios based on an improved faster-RCNN,” *Applied Sciences (Switzerland)*, vol. 11, no. 24, Dec. 2021, doi: 10.3390/app112411630.
- [14] L. Zhang, M. Wang, Y. Ding, and X. Bu, “MS-FRCNN: A Multi-Scale Faster RCNN Model for Small Target Forest Fire Detection,” *Forests*, vol. 14, no. 3, Mar. 2023, doi: 10.3390/f14030616.

- [15] Ari Pratiwi, Alies Poetri Lintang Sari, Ulfah Fatmala Rizky, and Unita Werdi Rahajeng, *Disabilitas dan Pendidikan Inklusif di Perguruan Tinggi*. Universitas Brawijaya Press, 2018.
- [16] Haenudin. (2013). *Pendidikan Anak Berkebutuhan Khusus Tunarungu*. Bandung: PT. Luxima Metro Media.
- [17] N. Wiranda and A. E. Putro, “Model Identifikasi Kata Ucapan Tuna Wicara,” *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, vol. 9, no. 2, p. 131, Oct. 2019, doi: 10.22146/ijeis.47609.
- [18] R. A. Yanda *et al.*, “PENGARUH METODE DRILL PADA RENANG GAYA DADA UNTUK PESERTA DIDIK TUNA WICARA DI SEKOLAH LUAR BIASA DHARMA ASIH KOTA PONTIANAK.” *JPPK (Jurnal Pendidikan dan Pembelajaran Khatulistiwa)*, vol. 7, no. 7, 2018, doi: 10.26418/jppk.v7i7.26594
- [19] Puid Unesa. “16 Februari 2022, Memperingati Hari kelahiran Francis Galton,” 11 April 2022, Memperingati hari kelahiran Jacob Rodrigues Pereine, Tokoh awal bahasa isyarat dan komunikasi bagi tunarungu, <https://puid.unesa.ac.id/post/16-februari-2022-memperingati-hari-kelahiran-francis-galton> (accessed Mar. 5, 2024).
- [20] M. Ezar Al Rivani and A. Giovri Riyadi, “Perbandingan Arsitektur LeNet dan AlexNet Pada Metode Convolutional Neural Network Untuk Pengenalan American Sign Language,” *Jurnal Komputer Terapan*, no. Vol. 7 No. 1 (2021), pp. 53–61, Jun. 2021, doi: <https://doi.org/10.35143/jkt.v7i1.4489>.
- [21] F. Abdulrazzaq Raheem, H. Raheem, A. A. Firas Raheem, and H. ARaheem, “American Sign Language Recognition Using Sensory

- Glove and Neural Network,” 2019. [Online]. Available: <https://www.researchgate.net/publication/340721626>
- [22] P. K. Laksana Utama, “Identifikasi Hoax pada Media Sosial dengan Pendekatan Machine Learning,” *Widya Duta: Jurnal Ilmiah Ilmu Agama dan Ilmu Sosial Budaya*, vol. 13, no. 1, p. 69, May 2018, doi: <https://doi.org/10.25078/wd.v13i1.436>.
- [23] S. Michelle, “Machine Learning With Python for Beginner - Sharon Michelle Claudya Cindra - Medium,” *Medium*, Dec. 19, 2020. <https://michelle-cindra1998.medium.com/machine-learning-with-python-for-beginner-ade066f187c> (accessed Mar. 5, 2024).
- [24] I. Cholissodin and A. A. Soebroto, “AI, Machine Learning & Deep Learning (Teori & Implementasi),” *no. July*, vol. 2021, 2019.
- [25] M. I. P. Raharjo, (2022). *Klasifikasi Citra Penyakit Daun Jagung Dengan Algoritma Convolutional Neural Network [Undergraduate Thesis]*. Universitas Pembangunan Nasional “Veteran” Jawa Timur.
- [26] J. Hosang, R. Benenson, and B. Schiele, “Learning non-maximum suppression,” 2017. Accessed: Mar. 05, 2024. [Online]. Available: <https://arxiv.org/abs/1705.02950v2>
- [27] N. Bodla, B. Singh, R. Chellappa, and L. S. Davis, “Soft-NMS — Improving Object Detection with One Line of Code,” *2017 IEEE International Conference on Computer Vision (ICCV)*, Oct. 2017, doi: <https://doi.org/10.1109/iccv.2017.593>.
- [28] S. Ren, K. He, R. Girshick, and J. Sun, “Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks,” *arXiv:1506.01497v3 [cs.CV]*, Jun. 2015, [Online]. Available: <http://arxiv.org/abs/1506.01497>

- [29] J. Yang, P. Ren, and X. Kong, "Handwriting Text Recognition Based on Faster R-CNN," in *2019 Chinese Automation Congress (CAC)*, IEEE, Nov. 2019, pp. 2450–2454. doi: 10.1109/CAC48633.2019.8997382.
- [30] B. Liu, W. Zhao, and Q. Sun, "Study of object detection based on Faster R-CNN," in *2017 Chinese Automation Congress (CAC)*, IEEE, Oct. 2017, pp. 6233–6236. doi: 10.1109/CAC.2017.8243900.
- [31] O. Elharrouss, Y. Akbari, N. Almaadeed, and S. Al-Maadeed, "Backbones-Review: Feature Extraction Networks for Deep Learning and Deep Reinforcement Learning Approaches," *arXiv:2206.08016v1 [cs.CV]*, Jun. 2022, [Online]. Available: <http://arxiv.org/abs/2206.08016>
- [32] A. Howard *et al.*, "Searching for MobileNetV3," *arXiv:1905.02244v5 [cs.CV]*, May 2019, [Online]. Available: <http://arxiv.org/abs/1905.02244>
- [33] D. P. Kingma and J. Ba, "Adam: A Method for Stochastic Optimization," *arXiv:1412.6980*, Dec. 2014.
- [34] Zhang, Y., H. Wang, L. Yu, and Z. Chen, "A comparative study of stochastic optimization methods for Faster R-CNN," *IEEE Access*, vol. 8, pp. 34767-34778, 2020.
- [35] H. A. P. Belangi, (2023). *Komparasi Performa Algoritma Convolutional Neural Network* [Undergraduate Thesis]. Universitas Pembangunan Nasional "Veteran" Jawa Timur.
- [36] M. Everingham, L. Van Gool, C. K. I. Williams, J. Winn, and A. Zisserman, "The Pascal Visual Object Classes (VOC) Challenge," *International Journal of Computer Vision*, vol. 88, no. 2, pp. 303–338, Sep. 2009, doi: <https://doi.org/10.1007/s11263-009->

[0275-4](#).

- [37] R. Girshick, "Fast R-CNN," Proceedings of the IEEE International Conference on Computer Vision (ICCV), 2015, pp. 1440-1448.
- [38] K. He, G. Gkioxari, P. Dollar, and R. Girshick, "Mask R-CNN," Proceedings of the IEEE International Conference on Computer Vision (ICCV), 2017, pp. 2961-2969.