

DAFTAR PUSTAKA

- Adar, T., Delice, E.K. and Delice, O. (2022) 'Detection of COVID-19 From A New Dataset Using MobileNetV2 and ResNet101V2 Architectures', *TIPTEKNO 2022 - Medical Technologies Congress, Proceedings*, (November), pp. 2020–2023. Available at: <https://doi.org/10.1109/TIPTEKNO56568.2022.9960225>.
- Adhikari, A. and Adhikari, J. (2015) *Advances in Knowledge Discovery in Databases*. 1st edn. Springer Cham. Available at: <https://doi.org/10.1007/978-3-319-13212-9>.
- Agarwal, A. *et al.* (2021) 'Classification model for accuracy and intrusion detection using machine learning approach', *PeerJ Computer Science*, 7, pp. 1–22. Available at: <https://doi.org/10.7717/PEERJ-CS.437>.
- Aljohani, K. and Turki, T. (2022) 'Automatic Classification of Melanoma Skin Cancer with Deep Convolutional Neural Networks', *AI (Switzerland)*, 3(2), pp. 512–525. Available at: <https://doi.org/10.3390/ai3020029>.
- Anggraini, K., Rakun, E. and Stefanus, L.Y. (2019) 'Recognizing the Components of Inflectional Word Gestures in Indonesian Sign System known as SIBI (Sistem Isyarat Bahasa Indonesia) by using Lip Motion', *Proceedings of the International Conference on Electrical Engineering and Informatics*, 2019-July(July), pp. 384–389. Available at: <https://doi.org/10.1109/ICEEI47359.2019.8988806>.
- Arisandi, L. and Satya, B. (2022) 'Sistem Klarifikasi Bahasa Isyarat Indonesia (Bisindo) Dengan Menggunakan Algoritma Convolutional Neural Network', *Jurnal Sistem Cerdas*, 5(3), pp. 135–146. Available at: <https://doi.org/10.37396/jsc.v5i3.262>.
- Aurélien Géron and Rebecca Demarest (2019) *Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow: Concepts, Tools, and Techniques to Build Intelligent Systems*. 2nd edn. Sebastopol: O'Reilly Media, Inc.
- Bilal, M. *et al.* (2022) *A transfer learning-based efficient spatiotemporal human action recognition framework for long and overlapping action classes*, *Journal of Supercomputing*. Springer US. Available at: <https://doi.org/10.1007/s11227-021-03957-4>.
- Borysov, S.S. and Rich, J. (2019) 'Introducing Super Pseudo Panels: Application to Transport Preference Dynamics'. Available at: <http://arxiv.org/abs/1903.00516>.
- Bragg, D. *et al.* (2019) 'Sign language recognition, generation, and translation: An interdisciplinary perspective', *ASSETS 2019 - 21st International ACM SIGACCESS Conference on Computers and Accessibility*, pp. 16–31. Available at: <https://doi.org/10.1145/3308561.3353774>.

- Brianorman, Y. and Utami, D. (2024) 'Comparative Analysis of CNN Architectures for SIBI Image Classification', *JUITA : Jurnal Informatika*, 12(1), p. 61. Available at: <https://doi.org/10.30595/juita.v12i1.20608>.
- Bu, L., Hu, C. and Zhang, X. (2024) 'Recognition of food images based on transfer learning and ensemble learning', *PLoS ONE*, 19(1 January), pp. 1–15. Available at: <https://doi.org/10.1371/journal.pone.0296789>.
- Buduma, N. and Locascio, N. (2017) *Fundamentals of Deep Learning: Designing Next-generation Machine Intelligence Algorithms*. 1st edn, Plant Factory. 1st edn. O'Reilly Media.
- Chen, J. *et al.* (2021) 'Quantification of water inflow in rock tunnel faces via convolutional neural network approach', *Automation in Construction*, 123(March). Available at: <https://doi.org/10.1016/j.autcon.2020.103526>.
- Demirkaya, A., Chen, J. and Oymak, S. (2020) 'Exploring the Role of Loss Functions in Multiclass Classification', *2020 54th Annual Conference on Information Sciences and Systems, CISS 2020*, pp. 1–5. Available at: <https://doi.org/10.1109/CISS48834.2020.1570627167>.
- Dhanabal, L. and Shantharajah, S.P. (2015) 'A Study on NSL-KDD Dataset for Intrusion Detection System Based on Classification Algorithms', *International Journal of Advanced Research in Computer and Communication Engineering*, 4(6), pp. 446–452. Available at: <https://doi.org/10.17148/IJARCCE.2015.4696>.
- Garreta, R. and Moncecchi, G. (2021) *Learning scikit-learn : Machine Learning in Python*. Birmingham: Packt Publishing Ltd.
- Han-wen, Z. *et al.* (2021) 'Fingerspelling Identification For American Sign Language Based On Resnet-18', *International Journal of Advanced Networking and Applications*, 13(01), pp. 4816–4820. Available at: <https://doi.org/10.35444/ijana.2021.13102>.
- Harahap, H. *et al.* (2024) 'Analisis Existing Convolutional Neural Network Untuk Klasifikasi Usia Pengunjung Rumah Sakit: Studi Kasus Pemantauan Anak dan Dewasa', *Explorer*, 4(1), pp. 16–24.
- He, K. *et al.* (2016a) 'Deep residual learning for image recognition', *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, 2016-Decem, pp. 770–778. Available at: <https://doi.org/10.1109/CVPR.2016.90>.
- He, K. *et al.* (2016b) 'Identity Mappings in Deep Residual Networks', *ECCV 2016*, 9908, pp. 630–645. Available at: <https://doi.org/10.1007/978-3-319-46493-0>.

- Hindarto, D. (2023) 'Use ResNet50V2 Deep Learning Model to Classify Five Animal Species', *Jurnal JTIK (Jurnal Teknologi Informasi dan Komunikasi)*, 7(4), pp. 758–768. Available at: <https://doi.org/https://doi.org/10.35870/jti.k.v7i4.1845>.
- Jahromi, M.N.S. *et al.* (2019) 'Privacy-constrained biometric system for non-cooperative users', *Entropy*, 21(11), pp. 1–15. Available at: <https://doi.org/10.3390/e21111033>.
- Kalshetty, R. and Parveen, A. (2023) 'Abnormal event detection model using an improved ResNet101 in context aware surveillance system', *Cognitive Computation and Systems*, 5(2), pp. 153–167. Available at: <https://doi.org/10.1049/ccs2.12084>.
- Kemdikbud (2024) *Abjad*. Available at: <https://pmpk.kemdikbud.go.id/sibi/kosakata> (Accessed: 19 August 2024).
- Kousalya, K. *et al.* (2021) 'Terrain identification and land price estimation using deep learning', *AIP Conference Proceedings*, 2387(November 2021), p. 140030. Available at: <https://doi.org/10.1063/5.0068625>.
- Latif, J. *et al.* (2019) 'Medical Imaging using Machine Learning and', *2019 2nd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)*, pp. 1–5.
- Mahesh, B. (2020) 'Machine Learning Algorithms - A Review', *International Journal of Science and Research*, 9(1), pp. 381–386. Available at: <https://doi.org/10.21275/ART20203995>.
- Mitchell, T.M. (1997) *Machine learning, Machine Learning*. McGraw-Hill Science/Engineering/Math. Available at: <https://books.google.ca/books?id=EoYBngEACAAJ&dq=mittchell+machine+learning+1997&hl=en&sa=X&ved=0ahUKEwiodmdqfj8TkAhWGslkKHRCbAtoQ6AEIKjAA>.
- Molina-Coronado, B. *et al.* (2020) 'Survey of Network Intrusion Detection Methods from the Perspective of the Knowledge Discovery in Databases Process', *IEEE Transactions on Network and Service Management*, 17(4), pp. 2451–2479. Available at: <https://doi.org/10.1109/TNSM.2020.3016246>.
- Molnar, C. (2022) *Interpretable Machine Learning: A Guide for Making Black Box Models Explainable*. 2nd edn.
- Mutiara, S. *et al.* (2023) 'Karakteristik Dan Model Bimbingan Atau Pendidikan Islam Bagi ABK Tuna Wicara Di Masyarakat Kelurahan Lubuk Lintang Gang Macang Besar RT 07 RW 03', *Jurnal Kajian Ilmu Pendidikan (JKIP)*, 4(1 SE-), pp. 113–124. Available at: <http://www.journal.al-matani.com/index.php/jkip/article/view/591>.

- Nurhayati, O.D., Eridani, D. and Tsalavin, M.H. (2022) 'Sistem Isyarat Bahasa Indonesia (SIBI) Metode Convolutional Neural Network Sequential secara Real Time', *Jurnal Teknologi Informasi dan Ilmu Komputer*, 9(4), pp. 819–828. Available at: <https://doi.org/10.25126/jtiik.2022944787>.
- Pustokhin, D.A. *et al.* (2023) 'An effective deep residual network based class attention layer with bidirectional LSTM for diagnosis and classification of COVID-19', *Journal of Applied Statistics*, 50(3), pp. 477–494. Available at: <https://doi.org/10.1080/02664763.2020.1849057>.
- Rathi, P. *et al.* (2020) 'Sign Language Recognition Using ResNet50 Deep Neural Network Architecture', *SSRN Electronic Journal*, pp. 1–7. Available at: <https://doi.org/10.2139/ssrn.3545064>.
- Rizvi, M.A.I. *et al.* (2019) 'A comparative study on handwritten Bangla character recognition', *Turkish Journal of Electrical Engineering and Computer Sciences*, 27(4), pp. 3195–3207. Available at: <https://doi.org/10.3906/elk-1901-48>.
- Sabba, S. *et al.* (2022) 'Residual Neural Network for Predicting Super-Enhancers on Genome Scale', *Lecture Notes in Networks and Systems*, 413 LNNS, pp. 32–42. Available at: https://doi.org/10.1007/978-3-030-96311-8_4.
- Samto (2020) *Kamus SIBI*. Available at: [https://pmpk.kemdikbud.go.id/sibi/#:~:text=Pemerintah telah membakukan Kamus Sistem,Pembakuan Sistem Isyarat Bahasa Indonesia](https://pmpk.kemdikbud.go.id/sibi/#:~:text=Pemerintah%20telah%20membakukan%20Kamus%20Sistem,Pembakuan%20Sistem%20Isyarat%20Bahasa%20Indonesia). (Accessed: 6 May 2024).
- Sarker, I.H. (2021) 'Machine Learning: Algorithms, Real-World Applications and Research Directions', *SN Computer Science*, 2(3), pp. 1–21. Available at: <https://doi.org/10.1007/s42979-021-00592-x>.
- Saxe, A., Nelli, S. and Summerfield, C. (2021) 'If deep learning is the answer, what is the question?', *Nature Reviews Neuroscience*, 22(1), pp. 55–67. Available at: <https://doi.org/10.1038/s41583-020-00395-8>.
- Scikit-learn (2024) *Confusion Matrix*. Available at: https://scikit-learn.org/1.4/auto_examples/model_selection/plot_confusion_matrix.html (Accessed: 26 August 2024).
- Septiawati, D., Suryani, N. and Widyastono, H. (2021) 'Penggunaan Game Edukasi Terhadap Kemampuan Kosakata Anak Tunarungu', *CoMBInES - Conference on Management, Business, Innovation, Education and Social Sciences*, 1(1), pp. 246–257. Available at: <https://journal.uib.ac.id/index.php/combines>.
- Setyono, N.F.P. and Rakun, E. (2019) 'Recognizing word gesture in sign system for Indonesian language (SIBI) Sentences using DeepCNN and BiLSTM', 2019

International Conference on Advanced Computer Science and Information Systems, ICACSYS 2019, pp. 199–204. Available at: <https://doi.org/10.1109/ICACSYS47736.2019.8979772>.

Shania, S. *et al.* (2022) ‘Translator of Indonesian Sign Language Video using Convolutional Neural Network with Transfer Learning’, *Indonesian Journal of Information Systems*, 5(1), pp. 17–27. Available at: <https://doi.org/10.24002/ijis.v5i1.5865>.

Shin, J. *et al.* (2021) ‘American sign language alphabet recognition by extracting feature from hand pose estimation’, *Sensors*, 21(17), pp. 1–19. Available at: <https://doi.org/10.3390/s21175856>.

Stone, J. V (2015) *Information Theory: A Tutorial Introduction*. 1st edn. Sebtel Press.

Syulistyo, A.R., Hormansyah, D.S. and Saputra, P.Y. (2020) ‘SIBI (Sistem Isyarat Bahasa Indonesia) translation using Convolutional Neural Network (CNN)’, *IOP Conference Series: Materials Science and Engineering*, 732(1). Available at: <https://doi.org/10.1088/1757-899X/732/1/012082>.

Tabassum, N. *et al.* (2023) ‘Classification of Bugs in Cloud Computing Applications Using Machine Learning Techniques’, *Applied Sciences (Switzerland)*, 13(5). Available at: <https://doi.org/10.3390/app13052880>.

Vasilev, I. *et al.* (2019) *Python Deep Learning*. Birmingham: Packt Publishing Ltd. Available at: <https://doi.org/10.7210/jrsj.33.92>.

World Federation of the Deaf (no date) *Frequently asked questions*. Available at: <https://wfdeaf.org/contact/faqs/> (Accessed: 15 July 2025).

Zhang, H., Zhang, L. and Jiang, Y. (2019) ‘Overfitting and Underfitting Analysis for Deep Learning Based End-to-end Communication Systems’, *2019 11th International Conference on Wireless Communications and Signal Processing, WCSP 2019*, pp. 1–6. Available at: <https://doi.org/10.1109/WCSP.2019.8927876>.

Zheng, A. (2021) *Evaluating Machine Learning Models: A Beginner’s Guide to Key Concepts and Pitfalls*. 1st edn. Edited by S. Cutt. Sebastopol: O’Reilly Media, Inc. Available at: https://doi.org/10.1007/978-1-4842-6537-6_7.