

DAFTAR PUSTAKA

- [1] NORC at University of Chicago, Institute for Healthcare Improvement, and Lucian Leape Institute, “Americans’ Experiences with Medical Errors and Views on Patient Safety IHI/NPSF Lucian Leape Institute NORC,” 2017. [Online]. Available: <http://www.ihl.org/about/news/Pages/New-Survey-Looks-at-Patient-Looks-at-Patient->
- [2] Kemenkes RI, “Stroke Dont Be The One,” Jakarta, 2018. [Online]. Available: <https://pusdatin.kemkes.go.id/resources/download/pusdatin/infodatin/infodatin-stroke-dont-be-the-one.pdf>
- [3] D. E. Newman-Toker, E. Moy, E. Valente, R. Coffey, and A. L. Hines, “Missed diagnosis of stroke in the emergency department: A cross-sectional analysis of a large population-based sample,” *Diagnosis*, vol. 1, no. 2, pp. 155–166, 2014, doi: 10.1515/dx-2013-0038.
- [4] J. J. Bird, C. M. Barnes, L. J. Manso, A. Ekárt, and D. R. Faria, “Fruit Quality and Defect Image Classification with Conditional GAN Data Augmentation,” *Sci. Hortic. (Amsterdam)*, vol. 293, 2021, doi: 10.1016/j.scienta.2021.110684.
- [5] V. Madaan *et al.*, “XCOVNet: Chest X-ray Image Classification for COVID-19 Early Detection Using Convolutional Neural Networks,” *New Gener. Comput.*, vol. 39, no. 3–4, pp. 583–597, 2021, doi: 10.1007/s00354-021-00121-7.
- [6] P. Wang, J. Wang, Y. Li, P. Li, L. Li, and M. Jiang, “Automatic classification of breast cancer histopathological images based on deep feature fusion and enhanced routing,” *Biomed. Signal Process. Control*, vol. 65, 2021, doi: 10.1016/j.bspc.2020.102341.
- [7] M. M. Badža and M. C. Barjaktarović, “Classification of brain tumors from

- mri images using a convolutional neural network,” *Appl. Sci.*, vol. 10, no. 6, 2020, doi: 10.3390/app10061999.
- [8] T. J. Brinker *et al.*, “Deep neural networks are superior to dermatologists in melanoma image classification,” *Eur. J. Cancer*, vol. 119, pp. 11–17, 2019, doi: 10.1016/j.ejca.2019.05.023.
- [9] A. Al Nahid and Y. Kong, “Involvement of Machine Learning for Breast Cancer Image Classification: A Survey,” *Computational and Mathematical Methods in Medicine*, vol. 2017. 2017. doi: 10.1155/2017/3781951.
- [10] D. Singh, V. Kumar, Vaishali, and M. Kaur, “Classification of COVID-19 patients from chest CT images using multi-objective differential evolution–based convolutional neural networks,” *Eur. J. Clin. Microbiol. Infect. Dis.*, vol. 39, no. 7, pp. 1379–1389, 2020, doi: 10.1007/s10096-020-03901-z.
- [11] H. Lyu, M. Wan, J. Han, R. Liu, and C. Wang, “A filter feature selection method based on the Maximal Information Coefficient and Gram-Schmidt Orthogonalization for biomedical data mining,” *Comput. Biol. Med.*, vol. 89, pp. 264–274, 2017, doi: 10.1016/j.compbiomed.2017.08.021.
- [12] S. H. Wang, P. Phillips, Y. Sui, B. Liu, M. Yang, and H. Cheng, “Classification of Alzheimer’s Disease Based on Eight-Layer Convolutional Neural Network with Leaky Rectified Linear Unit and Max Pooling,” *J. Med. Syst.*, vol. 42, no. 5, 2018, doi: 10.1007/s10916-018-0932-7.
- [13] E. M. Senan, M. E. Jadhav, and A. Kadam, “Classification of PH2 Images for Early Detection of Skin Diseases,” *2021 6th Int. Conf. Converg. Technol. I2CT 2021*, pp. 1–7, 2021, doi: 10.1109/I2CT51068.2021.9417893.
- [14] M. Aykanat, Ö. Kılıç, B. Kurt, and S. Saryal, “Classification of lung sounds using convolutional neural networks,” *Eurasip J. Image Video Process.*, vol. 2017, no. 1, 2017, doi: 10.1186/s13640-017-0213-2.
- [15] A. Kumar *et al.*, “Deep feature learning for histopathological image classification of canine mammary tumors and human breast cancer,” *Inf. Sci.*

- (*Ny*)., vol. 508, pp. 405–421, 2020, doi: 10.1016/j.ins.2019.08.072.
- [16] C. K. Viknesh, P. N. Kumar, and R. Seetharaman, “Computer Aided Diagnostic System for the Classification of Skin Cancer Using Dermoscopic Images,” *Proc. 3rd Int. Conf. Inven. Syst. Control. ICISC 2019*, no. Icisc, pp. 342–345, 2019, doi: 10.1109/ICISC44355.2019.9036327.
- [17] M. A. Hussain *et al.*, “Classification of healthy and diseased retina using SD-OCT imaging and Random Forest algorithm,” *PLoS One*, vol. 13, no. 6, pp. 1–17, 2018, doi: 10.1371/journal.pone.0198281.
- [18] A. R. Chowdhury, T. Chatterjee, and S. Banerjee, “A Random Forest classifier-based approach in the detection of abnormalities in the retina,” *Med. Biol. Eng. Comput.*, vol. 57, no. 1, pp. 193–203, 2019, doi: 10.1007/s11517-018-1878-0.
- [19] L. F. Santos Pereira, S. Barbon, N. A. Valous, and D. F. Barbin, “Predicting the ripening of papaya fruit with digital imaging and random forests,” *Comput. Electron. Agric.*, vol. 145, pp. 76–82, 2018, doi: 10.1016/j.compag.2017.12.029.
- [20] A. Picon, A. Alvarez-Gila, M. Seitz, A. Ortiz-Barredo, J. Echazarra, and A. Johannes, “Deep convolutional neural networks for mobile capture device-based crop disease classification in the wild,” *Comput. Electron. Agric.*, vol. 161, no. April, pp. 280–290, 2019, doi: 10.1016/j.compag.2018.04.002.
- [21] S. Wan, Y. Liang, and Y. Zhang, “Deep convolutional neural networks for diabetic retinopathy detection by image classification,” *Comput. Electr. Eng.*, vol. 72, pp. 274–282, 2018, doi: 10.1016/j.compeleceng.2018.07.042.
- [22] J. Bernal *et al.*, “Deep convolutional neural networks for brain image analysis on magnetic resonance imaging: a review,” *Artif. Intell. Med.*, vol. 95, no. April, pp. 64–81, 2019, doi: 10.1016/j.artmed.2018.08.008.
- [23] K. S. Angel Viji and D. Hevin Rajesh, “An Efficient Technique to Segment the Tumor and Abnormality Detection in the Brain MRI Images Using KNN

- Classifier,” *Mater. Today Proc.*, vol. 24, pp. 1944–1954, 2019, doi: 10.1016/j.matpr.2020.03.622.
- [24] M. P. Vaishnave, K. Suganya Devi, P. Srinivasan, and G. Arutperumjothi, “Detection and classification of groundnut leaf diseases using KNN classifier,” *2019 IEEE Int. Conf. Syst. Comput. Autom. Networking, ICSCAN 2019*, pp. 1–5, 2019, doi: 10.1109/ICSCAN.2019.8878733.
- [25] B. Tu, J. Wang, X. Kang, G. Zhang, X. Ou, and L. Guo, “KNN-Based Representation of Superpixels for Hyperspectral Image Classification,” *IEEE J. Sel. Top. Appl. Earth Obs. Remote Sens.*, vol. 11, no. 11, pp. 4032–4047, 2018, doi: 10.1109/JSTARS.2018.2872969.
- [26] J. Yim, J. Ju, H. Jung, and J. Kim, “Image classification using convolutional neural networks with multi-stage feature,” *Adv. Intell. Syst. Comput.*, vol. 345, no. 6, pp. 587–594, 2015, doi: 10.1007/978-3-319-16841-8_52.
- [27] A. Saber, M. Sakr, O. M. Abo-Seida, A. Keshk, and H. Chen, “A Novel Deep-Learning Model for Automatic Detection and Classification of Breast Cancer Using the Transfer-Learning Technique,” *IEEE Access*, vol. 9, pp. 71194–71209, 2021, doi: 10.1109/ACCESS.2021.3079204.
- [28] J. A. Á. Rojas, H. D. Calderón Vilca, E. N. Tumi Figueroa, K. J. C. Ramos, S. S. Matos Manguinuri, and E. F. Calderón Vilca, “Hybrid model of convolutional neural network and support vector machine to classify basal cell carcinoma,” *Comput. y Sist.*, vol. 25, no. 1, pp. 83–95, 2021, doi: 10.13053/CYS-25-1-3431.
- [29] M. Hssayeni, “Computed Tomography Images for Intracranial Hemorrhage Detection and Segmentation,” *PhysioNet*, 2020, [Online]. Available: <https://doi.org/10.13026/4nae-zg36>
- [30] M. Farid Naufal, “Perbandingan, Analisis Svm, Algoritma Untuk, dan CNN,” *J. Teknol. Inf. dan Ilmu Komput.*, vol. 8, no. 2, pp. 311–318, 2021, doi: 10.25126/jtiik.202184553.

- [31] Z. Zhang, G. Cheng, G. Liu, and G. Li, "Multilevel Clustering-Evolutionary Random Support Vector Machine Cluster Algorithm-Based Blood Oxygenation Level-Dependent Functional Magnetic Resonance Imaging Images in Analysis of Therapeutic Effects on Cerebral Ischemic Stroke," *Sci. Program.*, vol. 2021, 2021, doi: 10.1155/2021/7706782.
- [32] T. Badriyah, N. Sakinah, I. Syarif, and D. R. Syarif, "Machine Learning Algorithm for Stroke Disease Classification," *2nd Int. Conf. Electr. Commun. Comput. Eng. ICECCE 2020*, no. June, pp. 12–13, 2020, doi: 10.1109/ICECCE49384.2020.9179307.
- [33] J. P. Agnelli, A. Cöl, M. Lassas, R. Murthy, M. Santacesaria, and S. Siltanen, "Classification of stroke using neural networks in electrical impedance tomography," *Inverse Probl.*, vol. 36, no. 11, 2020, doi: 10.1088/1361-6420/abddcd.
- [34] B. R. Gaidhani, R. Rajamenakshi, and S. Sonavane, "Brain stroke detection using convolutional neural network and deep learning models," in *2019 2nd International Conference on Intelligent Communication and Computational Techniques, ICCT 2019*, Sep. 2019, pp. 242–249. doi: 10.1109/ICCT46177.2019.8969052.
- [35] B. S. Maya and T. Asha, "Automatic detection of brain strokes in CT images using soft computing techniques," *Lect. Notes Comput. Vis. Biomech.*, vol. 25, pp. 85–109, 2018, doi: 10.1007/978-3-319-61316-1_5.
- [36] T. J. Brinker *et al.*, "Deep neural networks are superior to dermatologists in melanoma image classification," *Eur. J. Cancer*, vol. 119, pp. 11–17, 2019, doi: 10.1016/j.ejca.2019.05.023.
- [37] G. Tsagaankhuu and A. Kuruvilla, "Guidelines for Management of Stroke," *Mong. Neurol. Assoc.*, pp. 1–42, 2012.
- [38] S. Edyvean and J. Gelijns, *Chapter 11: Computed Tomography*, vol. 44, no. 2. 2013. [Online]. Available:

<https://linkinghub.elsevier.com/retrieve/pii/S1939865412001853>

- [39] Neurologica Corporation, “Slice of CT Scanners,” *NeuroLogica Blog*, 2021.
<https://www.neurologica.com/blog/slice-of-ct-scanners>
- [40] A. Y. Nurhayati, N. N. Nariswari, B. Rahayuningsih, and Y. C. Hariadi, “Analisis Variasi Faktor Eksposi dan Ketebalan Irisan Terhadap CTDI dan Kualitas Citra Pada Computed Tomography Scan (Analysis of Variation of Exposure Factor and Slice Thickness On CTDI and Image Quality at Computed Tomography Scan),” *Berk. Saintek*, vol. 7, no. 1, pp. 7–12, 2019.
- [41] C. A. I Wayan Adi Makmur, Wahyu Setiabudi, “Evaluasi Ketebalan Irisan Slice Thicknes.” pp. 42–47, 2013.
- [42] M. Jain and P. S. Tomar, “Review of image classification methods and techniques,” *Int. J. Eng. Res. Technol.*, vol. 2, no. 8, pp. 852–858, 2013.
- [43] G. Mourot, F. Kratz, and N. Heraud, “Unsupervised learning methodology: Application to nuclear power plants,” *Appl. Stoch. Model. Data Anal.*, vol. 9, no. 2, pp. 163–175, Jun. 1993, doi: 10.1002/asm.3150090209.
- [44] L. Alzubaidi *et al.*, “Review of deep learning: concepts, CNN architectures, challenges, applications, future directions,” *J. Big Data*, vol. 8, no. 1, 2021, doi: 10.1186/s40537-021-00444-8.
- [45] F. Alzubaidi, P. Mostaghimi, P. Swietojanski, S. R. Clark, and R. T. Armstrong, “Automated lithology classification from drill core images using convolutional neural networks,” *J. Pet. Sci. Eng.*, vol. 197, 2021, doi: 10.1016/j.petrol.2020.107933.
- [46] J. Jin, A. Dunder, and E. Culurciello, “Flattened convolutional neural networks for feedforward acceleration,” *3rd Int. Conf. Learn. Represent. ICLR 2015 - Work. Track Proc.*, no. March 2015, 2015.
- [47] L. Vinet and A. Zhedanov, “A ‘missing’ family of classical orthogonal polynomials,” *J. Phys. A Math. Theor.*, vol. 44, no. 8, pp. 173–180, 2011,

doi: 10.1088/1751-8113/44/8/085201.

- [48] K. M. Ting, “Confusion Matrix,” *Encycl. Mach. Learn. Data Min.*, no. October, pp. 260–260, 2017, doi: 10.1007/978-1-4899-7687-1_50.
- [49] Tyler Richards, *Buku di Google Play Getting Started with Streamlit for Data Science: Create and deploy Streamlit web applications from scratch in Python*. Packt Publishing, 2021. [Online]. Available: https://books.google.co.id/books?id=9804EAAAQBAJ&hl=id&source=gbs_navlinks_s
- [50] R. Z. Fadillah, A. Irawan, M. Susanty, and I. Artikel, “Data Augmentasi Untuk Mengatasi Keterbatasan Data Pada Model Penerjemah Bahasa Isyarat Indonesia (BISINDO),” *J. Inform.*, vol. 8, no. 2, pp. 208–214, 2021, [Online]. Available: <https://ejournal.bsi.ac.id/ejurnal/index.php/ji/article/view/10768>
- [51] L. Ma *et al.*, “Combinatorial Testing for Deep Learning Systems,” no. December 2020, 2018, [Online]. Available: <http://arxiv.org/abs/1806.07723>