

DAFTAR PUSTAKA

- [1] Y. C. Wu, C. S. Chen, and Y. J. Chan, "The outbreak of COVID-19: An overview," *Journal of the Chinese Medical Association*, vol. 83, no. 3. Wolters Kluwer Health, pp. 217–220, 2020. doi: 10.1097/JCMA.0000000000000270.
- [2] L. Gattinoni *et al.*, "COVID-19 pneumonia: different respiratory treatments for different phenotypes?," *Intensive Care Med.*, vol. 46, no. 6, pp. 1099–1102, 2020, doi: 10.1007/s00134-020-06033-2.
- [3] J. D. Arias-Londono, J. A. Gomez-Garcia, L. Moro-Velazquez, and J. I. Godino-Llorente, "Artificial Intelligence applied to chest X-Ray images for the automatic detection of COVID-19. A thoughtful evaluation approach," *IEEE Access*, vol. 4, pp. 1–18, 2020, doi: 10.1109/ACCESS.2020.3044858.
- [4] E. Irmak, "A Novel Deep Convolutional Neural Network Model for COVID-19 Disease Detection," *TIPTEKNO 2020 - Tip Teknol. Kongresi - 2020 Med. Technol. Congr. TIPTEKNO 2020*, no. June 2020, pp. 2021–2024, 2020, doi: 10.1109/TIPTEKNO50054.2020.9299286.
- [5] S. R. Suartika E. P, I Wayan, Wijaya Arya Yudhi, "Klasifikasi Citra Menggunakan Convolutional Neural Network (Cnn) Pada Caltech 101," *J. Tek. ITS*, vol. 5, no. 1, p. 76, 2016, [Online]. Available: <http://repository.its.ac.id/48842/>
- [6] A. W. Setiawan, "Perbandingan Arsitektur Convolutional Neural Network Pada Klasifikasi Pneumonia, COVID-19, Lung Opacity, dan Normal Menggunakan Citra Sinar-X Thoraks," *J. Teknol. Inf. dan Ilmu Komput.*, vol. 9, no. 7, pp. 1563–1570, 2022, doi: 10.25126/jtiik.2022976742.
- [7] E. Balik, B. Kaya, and M. Kaya, "U-Net Based Covid-19 Infected Lesion Detection and Deep Learning Based Classification on CXR," *2022 Int. Conf. Data Anal. Bus. Ind. ICDABI 2022*, pp. 28–32, 2022, doi: 10.1109/ICDABI56818.2022.10041649.
- [8] S. Nurdianti, M. K. Najib, F. Bukhari, M. R. Ardhana, S. Rahmah, and T. P. Blante, "Perbandingan AlexNet dan VGG untuk Pengenalan Ekspresi Wajah pada Dataset Kelas Komputasi Lanjut," *Techno.Com*, vol. 21, no. 3, pp. 500–510, 2022, doi: 10.33633/tc.v21i3.6373.
- [9] F. A. Hariz, I. N. Yulita, and I. Suryana, "Human Activity Recognition Berdasarkan Tangkapan Webcam Menggunakan Metode Convolutional Neural Network (CNN) Dengan Arsitektur MobileNet," *JITSI J. Ilm. Teknol. Sist. Inf.*, vol. 3, no. 4, pp. 103–115, 2022, doi: 10.30630/jitsi.3.4.97.
- [10] P. Ghosal, L. Nandanwar, S. Kanchan, A. Bhadra, J. Chakraborty, and D. Nandi, "Brain tumor classification using ResNet-101 based squeeze and

- excitation deep neural network,” *2019 2nd Int. Conf. Adv. Comput. Commun. Paradig. ICACCP 2019*, pp. 1–6, 2019, doi: 10.1109/ICACCP.2019.8882973.
- [11] K. He, X. Zhang, S. Ren, and J. Sun, “Deep residual learning for image recognition,” *Proc. IEEE Comput. Soc. Conf. Comput. Vis. Pattern Recognit.*, vol. 2016-Decem, pp. 770–778, 2016, doi: 10.1109/CVPR.2016.90.
- [12] E. E.-D. Hemdan, M. A. Shouman, and M. E. Karar, “COVIDX-Net: A Framework of Deep Learning Classifiers to Diagnose COVID-19 in X-Ray Images,” *arXiv*, 2020. <http://arxiv.org/abs/2003.11055> (accessed Dec. 28, 2022).
- [13] S. Tabik *et al.*, “COVIDGR Dataset and COVID-SDNet Methodology for Predicting COVID-19 Based on Chest X-Ray Images,” *IEEE J. Biomed. Heal. Informatics*, vol. 24, no. 12, pp. 3595–3605, 2020, doi: 10.1109/JBHI.2020.3037127.
- [14] M. A. Wani, S. Afzal, and A. I. Khan, “Basic of Supervised Deep Learning,” *Res. Gate*, vol. 57, no. January, 2020, doi: 10.1007/978-981-13-6794-6.
- [15] A. Narin, C. Kaya, and Z. Pamuk, “Automatic detection of coronavirus disease (COVID-19) using X-ray images and deep convolutional neural networks,” *Pattern Anal. Appl.*, vol. 24, no. 3, pp. 1207–1220, 2021, doi: 10.1007/s10044-021-00984-y.
- [16] K. H. Shibly, S. K. Dey, M. T. U. Islam, and M. M. Rahman, “COVID faster R-CNN: A novel framework to Diagnose Novel Coronavirus Disease (COVID-19) in X-Ray images,” *Informatics Med. Unlocked*, vol. 20, Jan. 2020, doi: 10.1016/j.imu.2020.100405.
- [17] M. G. Lim and H. L. Lee, “Diagnosis of COVID-19 based on Chest Radiography,” 2022. doi: 10.48550/arXiv.2212.13032.
- [18] R. Hridya Krishna, K. P. Vaishnavi, M. Anagha Ramadas, N. Chanalya, A. Manoj, and J. J. Nair, “Deep Learning Approaches for Detection of Covid-19 Using Chest X-Ray Images,” *2021 4th Int. Conf. Electr. Comput. Commun. Technol. ICECCT 2021*, 2021, doi: 10.1109/ICECCT52121.2021.9616623.
- [19] N. S. Kavya, T. shilpa, N. Veeranjanyulu, and D. D. Priya, “Detecting Covid19 and pneumonia from chest X-ray images using deep convolutional neural networks,” *Mater. Today Proc.*, May 2022, doi: 10.1016/j.matpr.2022.05.199.
- [20] M. E. Sahin, “Deep learning-based approach for detecting COVID-19 in chest X-rays,” *Biomed. Signal Process. Control*, vol. 78, p. 103977, Sep. 2022, doi: 10.1016/j.bspc.2022.103977.

- [21] M. Jenkins, O. Johnson, T. Helliwell, and C. P. Johnson, "Case Report: Suspected COVID-19 death in the community - histological lung findings and the challenges faced by the pathologist," *F1000Research*, vol. 9, p. 348, 2020, doi: 10.12688/f1000research.23629.1.
- [22] C. Sohrabi *et al.*, "World Health Organization declares global emergency: A review of the 2019 novel coronavirus (COVID-19)," *International Journal of Surgery*, vol. 76. pp. 71–76, 2020. doi: 10.1016/j.ijsu.2020.02.034.
- [23] E. Ayan, B. Karabulut, and H. Murat, "Diagnosis of Pediatric Pneumonia with Ensemble of Deep Convolutional Neural Networks in Chest X - Ray Images," *Arab. J. Sci. Eng.*, vol. 47, no. 2, pp. 2123–2139, 2022, doi: 10.1007/s13369-021-06127-z.
- [24] O. Ruuskanen, E. Lahti, L. C. Jennings, and D. R. Murdoch, "Seminar Viral pneumonia," *Lancet*, vol. 377, pp. 1264–75, 2011, doi: 10.1016/S0140.
- [25] Z. Rustam, R. P. Yuda, H. Alatas, and C. Aroef, "Pulmonary rontgen classification to detect pneumonia disease using convolutional neural networks," *Telkomnika (Telecommunication Comput. Electron. Control.*, vol. 18, no. 3, pp. 1522–1528, 2020, doi: 10.12928/TELKOMNIKA.v18i3.14839.
- [26] Z. Zeng, B. Wang, and Z. Zhao, "Research on CNN-based Models Optimized by Genetic Algorithm and Application in the Diagnosis of Pneumonia and COVID-19," 2020.
- [27] I. P. Sari, Widodo, M. Nugraheni, and P. Wanda, "A Basic Concept of Image Classification for Covid-19 Patients Using Chest CT Scan and Convolutional Neural Network," *Proceeding - 1st Int. Conf. Inf. Technol. Adv. Mech. Electr. Eng. ICITAMEE 2020*, pp. 175–178, 2020, doi: 10.1109/ICITAMEE50454.2020.9398462.
- [28] S. V. Militante, N. V. Dionisio, and B. G. Sibbaluca, "Pneumonia and COVID-19 Detection using Convolutional Neural Networks," *Proceeding - 2020 3rd Int. Conf. Vocat. Educ. Electr. Eng. Strength. Framew. Soc. 5.0 through Innov. Educ. Electr. Eng. Informatics Eng. ICVEE 2020*, 2020, doi: 10.1109/ICVEE50212.2020.9243290.
- [29] M. E. H. Chowdhury *et al.*, "Can AI Help in Screening Viral and COVID-19 Pneumonia?," *IEEE Access*, vol. 8, pp. 132665–132676, 2020, doi: 10.1109/ACCESS.2020.3010287.
- [30] Z. Guo, J. Zhang, Y. Zuo, P. Liu, R. Tang, and X. Li, "Channel Attention Residual Network for diagnosing Pneumonia," *2021 4th Int. Conf. Artif. Intell. Big Data, ICAIBD 2021*, pp. 474–479, 2021, doi: 10.1109/ICAIBD51990.2021.9459102.
- [31] S. K. H R, M. S. Bhargavi, and P. Kumar, "Classification of COVID-19 and

- Pneumonia X-ray Images Using a Transfer Learning Approach,” *TENSYMP 2021 - 2021 IEEE Reg. 10 Symp.*, pp. 1–6, 2021, doi: 10.1109/TENSYMP52854.2021.9550878.
- [32] K. Islam, S. Umme, T. Ahmed, and F. Tasnim, “Computer Methods and Programs in Biomedicine Update COV-RadNet: A Deep Convolutional Neural Network for Automatic Detection of COVID-19 from Chest X-Rays and CT Scans,” *Comput. Methods Programs Biomed. Updat.*, vol. 2, no. October 2021, p. 100064, 2022, doi: 10.1016/j.cmpbup.2022.100064.
- [33] W. Sae-Lim, R. Suwannanon, and P. Aiyarak, “A Simplified Convolutional Neural Network Design for COVID-19 Classification on Chest X-ray Images,” *2022 19th Int. Jt. Conf. Comput. Sci. Softw. Eng. JCSSE 2022*, pp. 1–6, 2022, doi: 10.1109/JCSSE54890.2022.9836299.
- [34] M. Constantinou, T. Exarchos, A. G. Vrahatis, and P. Vlamos, “COVID-19 Classification on Chest X-ray Images Using Deep Learning Methods,” *Int. J. Environ. Res. Public Health*, vol. 20, no. 3, 2023, doi: 10.3390/ijerph20032035.
- [35] K. A. Tran, O. Kondrashova, A. Bradley, E. D. Williams, J. V. Pearson, and N. Waddell, “Deep learning in cancer diagnosis, prognosis and treatment selection,” *Genome Med.*, vol. 13, no. 1, pp. 1–17, 2021, doi: 10.1186/s13073-021-00968-x.
- [36] Q. Yu, “Animal Image Classifier Based on Convolutional Neural Network,” *SHS Web Conf.*, vol. 144, p. 03017, 2022, doi: 10.1051/shsconf/202214403017.
- [37] Z. Wang and S. Zhang, “Segmentation of Corn Leaf Disease Based on Fully Convolution Neural Network,” *Acad. J. Comput. Inf. Sci.*, vol. 1, no. 1, pp. 9–18, 2018, doi: 10.25236/ajcis.010002.
- [38] K. He, X. Zhang, S. Ren, and J. Sun, “Deep Residual Learning for Image Recognition,” *IEEE Xplore*, [Online]. Available: <http://image-net.org/challenges/LSVRC/2015/>
- [39] X. Deng, Q. Liu, Y. Deng, and S. Mahadevan, “An improved method to construct basic probability assignment based on the confusion matrix for classification problem,” *Inf. Sci. (Ny)*, vol. 340–341, pp. 250–261, 2016, doi: 10.1016/j.ins.2016.01.033.
- [40] Z. Niswati, R. Hardatin, M. N. Muslimah, and S. N. Hasanah, “Perbandingan Arsitektur ResNet50 dan ResNet101 dalam Klasifikasi Kanker Serviks pada Citra Pap Smear,” *Fakt. Exacta*, vol. 14, no. 3, p. 160, 2021, doi: 10.30998/faktorexacta.v14i3.10010.