

DAFTAR PUSTAKA

- [1] Kementerian Kesehatan Republik Indonesia, "Peta Sebaran," 2020. [Online]. Available: <https://data.covid19.go.id/public/index.html>.
- [2] Kementerian Kesehatan Republik Indonesia, "Cara Efektif Cegah Penularan COVID-19 : Pemeriksaan, Pelacakan, Karantina, dan Isolasi," May, 2020. [Online]. Available: <https://sehatnegeriku.kemkes.go.id>.
- [3] World Health Organization, "Global tuberculosis report 2021." Licence: CC BY-NC-SA 3.0 IGO.
- [4] World Health Organization, "Pneumonia." <https://www.who.int/news-room/fact-sheets/detail/pneumonia> (accessed Jun, 19 2022).
- [5] American Thoracic Society, "Diagnosis and Management of COVID-19 Disease," *American Journal of Respiratory and Critical Care Medicine*, vol. 201, no. 10, pp. 19–20.
- [6] C. Martin, I. Montesinos, N. Dauby, C. Gilles, H. Dahma, S. Van Den Wijngaert, S. De Wit, M. Delforge, N. Clumeck, and O. Vandenberg, "Dynamics of SARS-CoV-2 RT-PCR positivity and seroprevalence among high-risk healthcare workers and hospital staff," *Journal of Hospital Infection*, vol. 106, no. 1, pp. 102–106, Sep. 2020, doi: 10.1016/j.jhin.2020.06.028.
- [7] U. Shah, A. Abd-Alrazeq, T. Alam, M. Househ, and Z. Shah, "An efficient method to predict pneumonia from chest X-rays using deep learning approach," *Stud. Health Technol. Inf.*, vol. 272, pp. 457–460, Jun. 2020, doi: 10.3233/shti200594.
- [8] A. Gupta, Anjum, S. Gupta, and R. Katarya, "InstaCovNet-19: A deep learning classification model for the detection of COVID-19 patients using Chest X-ray," *Applied Soft Computing*, vol. 99, Feb. 2021, doi:10.1016/j.asoc.2020.106859.
- [9] A. Narin, C. Kaya and Z. Pamuk, "Automatic detection of coronavirus disease (COVID-19) using X-ray images and deep convolutional neural networks", *arXiv:2003.10849*, 2020, [online] Available: <http://arxiv.org/abs/2003.10849>.

- [10] M. Umer, I. Ashraf, S. Ullah, A. Mehmood, and G. S. Choi, “COVINet: a convolutional neural network approach for predicting COVID-19 from chest X-ray images,” *Journal of Ambient Intelligence and Humanized Computing*, 2021, doi: 10.1007/s12652-021-02917-3.
- [11] M. Rahimzadeh and A. Attar, “A modified deep convolutional neural network for detecting COVID-19 and pneumonia from chest X-ray images based on the concatenation of Xception and ResNet50V2,” *Informatics in Medicine Unlocked*, vol. 19, Jan. 2020, doi: 10.1016/j.imu.2020.100360.
- [12] S. Thakur and A. Kumar, “X-ray and CT-scan-based automated detection and classification of covid-19 using convolutional neural networks (CNN),” *Biomedical Signal Processing and Control*, vol. 69, Aug. 2021, doi: 10.1016/j.bspc.2021.102920.
- [13] A. Kumar, A. Bhattacharjee, P. Singla, and AP Prathosh. xvitcos: Explainable vision transformer based covid-19 screening using radiography. *IEEE Journal of Translational Engineering in Health and Medicine*, 10:1–10, 2021
- [14] A. I. Khan, J. L. Shah, and M. M. Bhat, “CoroNet: A deep neural network for detection and diagnosis of COVID-19 from chest X-ray images,” *Comput. Methods Programs Biomed.*, vol. 196, Nov. 2020, Art. no. 105581.
- [15] S. Pathan, P. C. Siddalingaswamy, and T. Ali, “Automated Detection of Covid-19 from Chest X-ray scans using an optimized CNN architecture,” *Applied Soft Computing*, vol. 104, Jun. 2021, doi: 10.1016/j.asoc.2021.107238.
- [16] S. Sheykhanvand, Z. Mousavi, S. Mojtabaei, and T. Yousefi. ”Developing an Efficient Deep Neural Network for Automatic Detection of COVID-19 Using Chest X-ray Images,” *Alexandria Engineering Journal*. 2021.
- [17] R. Abbas, ”Review on some methods used in image restoration”, *International multidisciplinary research journal*, April 2020.
- [18] R. Yasin and W. Gouda, ”Chest X-ray findings monitoring COVID-19 disease course and severity”, *Egypt. J. Radiol. Nucl. Med*, vol. 51, no. 1, 2020.
- [19] B. Abbas, ”The Radiological Diagnosis of Pulmonary Tuberculosis (TB) in Primary Care,” *J Fam Med Dis Prev*, vol. 4, no. 1, pp 1-7, 2018, doi:10.23937/2469-5793/1510073.

- [20] H. J. Koo, S. Lim, J. Choe, S.-H. Choi, H. Sung, and K.-H. Do, “Radio-graphic and CT features of viral pneumonia,” *RadioGraphics*, vol. 38, no. 3, pp. 719–739, May 2018, doi: 10.1148/rg.2018170048.
- [21] E. Puddy and C. Hill, “Interpretation of the chest radiograph,” *Continuing Education in Anaesthesia, Critical Care and Pain*, vol. 7, no. 3, pp. 71–75, 2007, doi: 10.1093/bjaceaccp/mkm014.
- [22] I. J. Goodfellow, J. Pouget-Abadie, M. Mirza, B. Xu, D. Warde-Farley, S. Ozair, A. Courville, and Y. Bengio , “Generative Adversarial Networks,” *arXiv:1406.2661*, Jun. 2014, [Online]. Available: <http://arxiv.org/abs/1406.2661>.
- [23] A. Jabbar, X. Li, and B. Omar, “A Survey on Generative Adversarial Networks: Variants, Applications, and Training,” Jun. 2020, [Online]. Available: <https://arxiv.org/abs/2006.05132>.
- [24] X. Wang, L. Xie, C. Dong, and Y. Shan, “Real-ESRGAN: Training Real-World Blind Super-Resolution with Pure Synthetic Data,” Jul. 2021, [Online]. Available: <http://arxiv.org/abs/2107.10833>.
- [25] S. Saha, ”A Comprehensive Guide to Convolutional Neural Networks — the ELI5 way,” Dec. 2018, [Online]. Available: <https://towardsdatascience.com>.
- [26] M. Tan and Q. v. Le, “EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks,” *arXiv:1905.11946* , May 2019, [Online]. Available: <http://arxiv.org/abs/1905.11946>.
- [27] A. Dosovitskiy, L. Beyer, A. Kolesnikov, D. Weissenborn, X. Zhai, T. Unterthiner, M. Dehghani, M. Minderer, G. Heigold, S. Gelly, J. Uszkoreit, and N. Houlsby, “An Image is Worth 16x16 Words: Transformers for Image Recognition at Scale,” *arXiv:2010.11929*, Oct. 2020, [Online]. Available: <http://arxiv.org/abs/2010.11929>.
- [28] K. Wu, H. Peng, M. Chen, J. Fu, and H. Chao, “Rethinking and Improving Relative Position Encoding for Vision Transformer,” *arXiv:2107.14222*, Jul. 2021, [Online]. Available: <http://arxiv.org/abs/2107.14222>.
- [29] H. Phan, K. Yamamoto, T. H. Phan, and K. Yamamoto, “Resolving Class Imbalance in Object Detection with Weighted Cross Entropy Losses,” *arXiv:2006.01413*, 2020, [online] Available: <http://arxiv.org/abs/2006.01413>.

- [30] C. Szegedy, V. Vanhoucke, S. Ioffe, J. Shlens, Z. Wojna, "Rethinking the Inception Architecture for Computer Vision," *arXiv:1512.00567*, Dec 2015, [Online]. Available: <https://arxiv.org/abs/1512.00567v3>.
- [31] S. Ruder, "An Overview of Gradient Descent Optimization Algorithms", *arXiv:1609.04747*, Jun 2017, [Online]. Available: <https://arxiv.org/abs/1609.04747>.
- [32] Z. Xie, "Understanding and Scheduling Weight Decay," *arXiv:2011.11152*, Sep 2021, [Online]. Available: <https://arxiv.org/abs/2011.11152>.
- [33] M. Romero, Y. Interian, T. Solberg and G. Valdes, "Targeted transfer learning to improve performance in small medical physics datasets," *arXiv:1912.06761*, 2019, [online] Available: <http://arxiv.org/abs/1912.06761>.
- [34] C. Manliguez, "Generalized Confusion Matrix for Multiple Classes," *researchgate.net*, 2018.https://www.researchgate.net/publication/310799885_Generalized_Confusion_Matrix_for_Multiple_Classes (accessed Feb. 2,2022).