

## **DAFTAR PUSTAKA**

- Adi, K., Widodo, C. E., Widodo, A. P., Gernowo, R., Pamungkas, A., & Syifa, R. A. (2018). "Detection lung cancer using Gray Level Co-Occurrence Matrix (GLCM) and back propagation neural network classification". *Journal of Engineering Science and Technology Review*, 11(2), 8–12. <https://doi.org/10.25103/jestr.112.02>.
- Anifah, L., Haryanto, Harimurti, R., Permatasari, Z., Rusimamto, P. W., & Muhamad, A. R. (2018). "Cancer lungs detection on CT scan image using artificial neural network backpropagation based gray level cooccurrence matrices feature". *2017 International Conference on Advanced Computer Science and Information Systems, ICACCSIS 2017*, 2018-Januari(2010), 327–331. <https://doi.org/10.1109/ICACCSIS.2017.8355054>.
- Arulmurugan, R., & Anandakumar, H. (2018). "Early detection of lung cancer using wavelet feature descriptor and feed forward back propagation neural networks classifier". *Lecture Notes in Computational Vision and Biomechanics*, 28, 103–110. <https://doi.org/10.1007/978-3-319-71767-89>.
- Depinta, L., & Abdullah, Z. (2017). "Implementasi Jaringan Syaraf Tiruan Backpropagation untuk Deteksi Penyakit Tuberculosis (TB) Paru dari Citra Rontgen". *Jurnal Fisika Unand*, 6(1), 61–66. <https://doi.org/10.25077/jfu.6.1.61-66.2017>.
- Geetha, V., Aprameya, K. S., & Hinduja, D. M. (2020). "Dental caries diagnosis in digital radiographs using back-propagation neural network". *Health Information Science and Systems*, 8(1). <https://doi.org/10.1007/s13755-019-0096-y>.

- Giri, A. K., & Rana, D. R. (2020). "Charting the challenges behind the testing of COVID-19 in developing countries: Nepal as a case study". *Biosafety and Health*, 2(2), 53–56. <https://doi.org/10.1016/j.bsheal.2020.05.002>.
- Haykin, S. (2009) "Neural networks and learning". 3rd edn, Pearson Education. 3rd edn. Ontario Canada.
- Jin, A., Yan, B., Hua, W., Feng, D., Xu, B., Liang, L., & Guo, C. (2020). "Clinical characteristics of patients diagnosed with COVID-19 in Beijing". *Biosafety and Health*, 2(2), 104–111. <https://doi.org/10.1016/j.bsheal.2020.05.003>.
- Joarder, R. and Crundwell, N. (eds) (2009) "Chest X-Ray in Clinical Practice". Springer International Publishing.
- Juwita, A. R., & Solichin, A. (2018). "Batik pattern identification using GLCM and artificial neural network backpropagation". Proceedings of the 3rd International Conference on Informatics and Computing, ICIC 2018, 1–6. <https://doi.org/10.1109/IAC.2018.8780412>.
- Li, C., Zhao, C., Bao, J., Tang, B., Wang, Y., & Gu, B. (2020). "Laboratory diagnosis of coronavirus disease-2019 (COVID-19)". *Clinica Chimica Acta*, 510, 35–46. <https://doi.org/10.1016/j.cca.2020.06.045>.
- Li, J., Long, X., Wang, X., Fang, F., Lv, X., Zhang, D., Sun, Y., Hu, S., Lin, Z., & Xiong, N. (2021). "Radiology indispensable for tracking COVID-19". *Diagnostic and Interventional Imaging*, 102(2), 69–75. <https://doi.org/10.1016/j.diii.2020.11.008>.
- Lin, Q., Zhao, S., Gao, D., Lou, Y., Yang, S., Musa, S. S., Wang, M. H., Cai, Y., Wang, W., Yang, L., & He, D. (2020). "A conceptual model for the coronavirus disease 2019 (COVID-19) outbreak in Wuhan, China with individual reaction and governmental action". *International Journal of Infectious Diseases*, 93, 211–216. <https://doi.org/10.1016/j.ijid.2020.02.058>.
- Siang, J. J. (2005) "Jaringan Syaraf Tiruan dan Pemogramannya Menggunakan Matlab". Yogyakarta: Andi.
- Sofiana, R., & Sutikno, S. (2018). "Optimization of Backpropagation for Early Detection of Diabetes Mellitus". *International Journal of Electrical and*

Computer Engineering (IJECE), 8(5), 3232.  
[https://doi.org/10.11591/ijece.v8i5.pp3232-3237.](https://doi.org/10.11591/ijece.v8i5.pp3232-3237)

Sutikno, Waspada, I., Bahtiar, N., & Sasongko, P. S. (2016). "Classification of motorcyclists not wear helmet on digital image with backpropagation neural network". *Telkomnika (Telecommunication Computing Electronics and Control)*, 14(3), 1128–1133. <https://doi.org/10.12928/TELKOMNIKA.v14i3.3486>.

Syafria, F., Iqbal, B., Budianita, E., & Afrianty, I. (2018). "Implementation of Backpropagation Neural Network to Detect Suspected Lung Disease". *Indonesian Journal of Artificial Intelligence and Data Mining*, 1(1), 32. <https://doi.org/10.24014/ijaidm.v1i1.5023>.

Tandrian, A. H., & Kusnadi, A. (2019). "Pengenalan Pola Tulang Daun Dengan Jaringan Syaraf Tiruan Backpropagation". *ULTIMA Computing*, 10(2), 53–58. <https://doi.org/10.31937/sk.v10i2.1063>.

Vasanthi, M., & Seetharaman, K. (2021). "A hybrid method for biometric authentication-oriented face detection using autoregressive model with Bayes Backpropagation Neural Network". *Soft Computing*, 25(2), 1659–1680. <https://doi.org/10.1007/s00500-020-05500-8>.

World Health Organization (2021). "Coronavirus disease (COVID-19) Pandemic " [Online] (Updated 16 Maret 2021) Available at: <https://www.who.int/emergencies/diseases/novel-coronavirus-2019>. [Accessed 17 Maret 2021].

Yuhandri, Madenda, S., Wibowo, E. P., & Karmilasari. (2017). Pattern Recognition and Classification Using Backpropagation Neural Network Algorithm for Songket Motifs Image Retrieval. *International Journal on Advanced Science, Engineering and Information Technology*, 7(6), 2343. doi:10.18517/ijaseit.7.6.2200