

DAFTAR PUSTAKA

- Alnussairi, M. H. D., & Ibrahim, A. A. (2022). Malaria parasite detection using deep learning algorithms based on (CNNs) technique. *Computers and Electrical Engineering*, 103, 108316. <https://doi.org/10.1016/J.COMPELECENG.2022.108316>
- Bank, D., Koenigstein, N., & Giryas, R. (2021). *Autoencoders*. <https://arxiv.org/abs/2003.05991>
- Bashar, M. K. (2019). Improved Classification of Malaria Parasite Stages with Support Vector Machine Using Combined Color and Texture Features. *2019 IEEE Healthcare Innovations and Point of Care Technologies, (HI-POCT)*, 135–138. <https://doi.org/10.1109/HI-POCT45284.2019.8962686>
- Bergmann, P., Löwe, S., Fauser, M., Sattlegger, D., & Steger, C. (2019). *Improving Unsupervised Defect Segmentation by Applying Structural Similarity to Autoencoders*. 372–380. <https://doi.org/10.5220/0007364503720380>
- Bhuiyan, M., & Islam, M. S. (2023). A new ensemble learning approach to detect malaria from microscopic red blood cell images. *Sensors International*, 4, 100209. <https://doi.org/https://doi.org/10.1016/j.sintl.2022.100209>
- Braei, M., & Wagner, S. (2020). *Anomaly Detection in Univariate Time-series: A Survey on the State-of-the-Art*. <https://arxiv.org/abs/2004.00433>
- Chandola, V., Banerjee, A., & Kumar, V. (2009). Anomaly detection: A survey. *ACM Comput. Surv.*, 41(3). <https://doi.org/10.1145/1541880.1541882>
- Febriani, I. D., Muhimmah, I., & Lusiyan, N. (2021). Identifikasi Stadium Plasmodium Vivax untuk Penegakan Diagnosis Penyakit Malaria dengan Sistem Berbantuan Komputer. *AUTOMATA*, 2(1). <https://journal.uui.ac.id/AUTOMATA/article/view/17362>
- Fischer, W. (2004). Digital Video Signal According to ITU-BT.R.601 (CCIR 601). In W. Fischer (Ed.), *Digital Television: A Practical Guide for Engineers* (pp. 43–46). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-662-05429-1_4
- Fuhad, K. M. F., Tuba, J. F., Sarker, M. R. A., Momen, S., Mohammed, N., & Rahman, T. (2020). Deep Learning Based Automatic Malaria Parasite Detection from Blood Smear and its Smartphone Based Application. *Diagnostics (Basel, Switzerland)*, 10(5), 329. <https://doi.org/10.3390/diagnostics10050329>

- Gupta, M., Gao, J., Aggarwal, C., & Han, J. (2014). *Outlier Detection for Temporal Data*. Morgan and Claypool Publishers. <https://link.springer.com/book/10.1007/978-3-031-01905-0>
- Han, J., Kamber, M., & Pei, J. (2012). 8 - Classification: Basic Concepts. In J. Han, M. Kamber, & J. Pei (Eds.), *Data Mining (Third Edition)* (Third Edition, pp. 327–391). Morgan Kaufmann. <https://doi.org/10.1016/B978-0-12-381479-1.00008-3>
- Hinton, G. E., & Salakhutdinov, R. R. (2006). Reducing the Dimensionality of Data with Neural Networks. *Science*, 313(5786), 504–507. <https://doi.org/10.1126/science.1127647>
- Huq, A., Reza, M. T., Hossain, S., & Dipto, S. M. (2024). *AnoMalNet: Outlier Detection based Malaria Cell Image Classification Method Leveraging Deep Autoencoder*. <https://arxiv.org/abs/2303.05789>
- Iqbal, H., Khalid, U., Hua, J., & Chen, C. (2023). *Unsupervised Anomaly Detection in Medical Images Using Masked Diffusion Model*. <https://arxiv.org/abs/2305.19867>
- Kassim, Y. M., Palaniappan, K., Yang, F., Poostchi, M., Palaniappan, N., Maude, R. J., Antani, S., & Jaeger, S. (2021). Clustering-Based Dual Deep Learning Architecture for Detecting Red Blood Cells in Malaria Diagnostic Smears. *IEEE Journal of Biomedical and Health Informatics*, 25(5), 1735–1746. <https://ieeexplore.ieee.org/document/9244549>
- Krishnadas, P., Chadaga, K., Sampathila, N., Rao, S., S., S. K., & Prabhu, S. (2022). Classification of Malaria Using Object Detection Models. *Informatics*, 9(4). <https://doi.org/10.3390/informatics9040076>
- Li, Z., Zhu, Y., & van Leeuwen, M. (2023). *A Survey on Explainable Anomaly Detection*. <https://arxiv.org/abs/2210.06959>
- Maqsood, A., Farid, M. S., Khan, M. H., & Grzegorzec, M. (2021). Deep Malaria Parasite Detection in Thin Blood Smear Microscopic Images. *Applied Sciences*, 11(5). <https://doi.org/10.3390/app11052284>
- Maruyama, S. (2023). Properties of the SSIM metric in medical image assessment: correspondence between measurements and the spatial frequency spectrum. *Physical and Engineering Sciences in Medicine*, 46(3), 1131–1141. <https://doi.org/10.1007/s13246-023-01280-1>
- Mehlig, B. (2021). *Machine Learning with Neural Networks: An Introduction for Scientists and Engineers*. Cambridge University Press. <https://doi.org/10.1017/9781108860604>

- Mudeng, V., Kim, M., & Choe, S. (2022). Prospects of Structural Similarity Index for Medical Image Analysis. *Applied Sciences*, 12(8). <https://doi.org/10.3390/app12083754>
- Muttaqin, M., Untoro, M. C., Febrianto, A., Faisal, A., Setiawan, A. W., Prabowo, B. P., & Rahman, Y. A. (2023). CNN Classification of Malaria Parasites in Digital Microscope Images Using Python on Raspberry Pi. *Buletin Ilmiah Sarjana Teknik Elektro*, 5(1), 108–120. <https://doi.org/10.12928/biste.v5i1.7522>
- Organization, W. H. (2023). *World malaria report 2023*. World Health Organization.
- O'Shea, K., & Nash, R. (2015). *An Introduction to Convolutional Neural Networks*. <https://arxiv.org/abs/1511.08458>
- Pekmezci, M., & Genc, Y. (2024). Evaluation of SSIM loss function in RIR generator GANs. *Digital Signal Processing*, 154, 104685. <https://doi.org/https://doi.org/10.1016/j.dsp.2024.104685>
- Pinto, M. P. B. (2019). Malaria, the role of the blood smear - a case report. *Hematology, Transfusion and Cell Therapy*, 41(2), 185–186. <https://doi.org/10.1016/j.htct.2018.10.007>
- Poostchi, M., Silamut, K., Maude, R. J., Jaeger, S., & Thoma, G. (2018). Image analysis and machine learning for detecting malaria. *Translational Research: The Journal of Laboratory and Clinical Medicine*, 194, 36–55. <https://doi.org/10.1016/j.trsl.2017.12.004>
- Rajaraman, S., Antani, S. K., Poostchi, M. M., Silamut, K., Hossain, M. A., Maude, R. J., Jaeger, S., & Thoma, G. R. (2018). Pre-trained convolutional neural networks as feature extractors toward improved malaria parasite detection in thin blood smear images. *PeerJ*, 6, e4568. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5907772/>
- Rajaraman, S., Jaeger, S., & Antani, S. K. (2019). Performance evaluation of deep neural ensembles toward malaria parasite detection in thin-blood smear images. *PeerJ*, 7, e6977. <https://doi.org/10.7717/peerj.6977>
- Rajaraman, S., Silamut, K., Hossain, M. A., Ersoy, I., Maude, R. J., Jaeger, S., Thoma, G. R., & Antani, S. K. (2018). Understanding the learned behavior of customized convolutional neural networks toward malaria parasite detection in thin blood smear images. *Journal of Medical Imaging (Bellingham)*, 5(3), 34501. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6050500/>

- Rassam, M. A. (2024). Autoencoder-Based Neural Network Model for Anomaly Detection in Wireless Body Area Networks. *IoT*, 5(4), 852–870. <https://doi.org/10.3390/iot5040039>
- Salamah, U. (2018). Deteksi Parasit Malaria dari Citra Mikroskopis Apusan Tebal Darah. *Institut Teknologi Sepuluh Nopember*. <https://repository.its.ac.id/60063/1/5114301005-Disertation.pdf>
- Schisterman, E. F., Faraggi, D., Reiser, B., & Hu, J. (2008). Youden Index and the optimal threshold for markers with mass at zero. *Statistics in Medicine*, 27(2), 297–315. <https://doi.org/10.1002/sim.2993>
- Schneider, P., & Xhafa, F. (2022). Chapter 3 - Anomaly detection: Concepts and methods. In P. Schneider & F. Xhafa (Eds.), *Anomaly Detection and Complex Event Processing over IoT Data Streams* (pp. 49–66). Academic Press. <https://doi.org/https://doi.org/10.1016/B978-0-12-823818-9.00013-4>
- Siddalingappa, R., & Kanagaraj, S. (2021). Anomaly Detection on Medical Images using Autoencoder and Convolutional Neural Network. *International Journal of Advanced Computer Science and Applications*, 12(7). <https://doi.org/10.14569/IJACSA.2021.0120717>
- Singh, A. (2017). *Anomaly Detection for Temporal Data using Long Short-Term Memory (LSTM)*. <https://api.semanticscholar.org/CorpusID:19437697>
- Timmins, K., van der Schaaf, I., Ruigrok, Y., Velthuis, B., & Kuijf, H. J. (2021). Variational autoencoders with a structural similarity loss in time of flight MRAs. In B. A. Landman & I. Išgum (Eds.), *Medical Imaging 2021: Image Processing* (p. 115). SPIE. <https://doi.org/10.1117/12.2580705>
- Torabi, H., Mirtaheri, S. L., & Greco, S. (2023). Practical autoencoder based anomaly detection by using vector reconstruction error. *Cybersecurity*, 6(1), 1. <https://doi.org/10.1186/s42400-022-00134-9>
- Tuteja, R. (2007). Malaria - an overview. *The FEBS Journal*, 274(18), 4670–4679. <https://doi.org/10.1111/j.1742-4658.2007.05997.x>
- Van Rossum, G., & Drake, F. L. (2009). *Python 3 Reference Manual*. CreateSpace.
- Wang, Y., Yao, H., & Zhao, S. (2016). Auto-encoder based dimensionality reduction. *Neurocomputing*, 184, 232–242. <https://doi.org/https://doi.org/10.1016/j.neucom.2015.08.104>
- Wang, Z., Bovik, A. C., Sheikh, H. R., & Simoncelli, E. P. (2004). Image quality assessment: from error visibility to structural similarity. *IEEE Transactions on Image Processing*, 13(4), 600–612. <https://doi.org/10.1109/TIP.2003.819861>

- Wu, D., Fan, S., Zhou, X., Yu, L., Deng, Y., Zou, J., & Lin, B. (2024). Unsupervised Anomaly Detection via Masked Diffusion Posterior Sampling. *International Joint Conference on Artificial Intelligence*.
<https://doi.org/10.48550/arXiv.2404.17900>
- Zakiya, P. N. (2021). *KLASIFIKASI PATOLOGI MAKULA RETINA MELALUI CITRA OCT MENGGUNAKAN CONVOLUTIONAL NEURAL NETWORK DENGAN ARSITEKTUR MOBILENET*. Universitas Telkom.