

DAFTAR PUSTAKA

- [1] WHO, "Malaria", *Article*, 2021, [Daring]. Tersedia Pada: <https://www.who.int/news-room/fact-sheets/detail/malaria>
- [2] J. Talapko, I. Škrlec, T. Alebić, M. Jukić, and A. Včev, "Malaria: The Past and the Present", *Microorganisms*, vol.7, no.6, pp. 179, 2019.
- [3] A. Vijayalakshmi and R. Kanna, "Deep learning approach to detect malaria from microscopic images," *Multimedia Tools and Applications*, vol. 79, no. 21–22, pp. 15297–15317, Jun. 2020, doi: 10.1007/s11042-019-7162-y.
- [4] S. Rajaraman, S.K. Antani, M. Poostchi, K. Silamut, M.A. Hossain, R.J. Maude, S. Jaeger, and G.R. Thoma, "Pre-trained convolutional neural networks as feature extractors toward improved malaria parasite detection in thin blood smear images," *PeerJ*, vol. 6, p. e4568, Apr. 2018, doi: 10.7717/peerj.4568.
- [5] I.H. Sarker, "Machine Learning: Algorithms, Real-World Applications and Research Directions," *SN Computer Science*, vol. 2, no. 3, Mar. 2021, doi: 10.1007/s42979-021-00592-x.
- [6] P. Berzosa, A.D. Lucio, M.R. Barja, Z. Herrador, V. Gonzales, L. Garcia, A.F. Martinez, M.S. Morales, P. Ncogo, B. Valladares, M. Riloha, and A. Benito, "Comparison of three diagnostic methods (microscopy, RDT, and PCR) for the detection of malaria parasites in representative samples from Equatorial Guinea." *Malaria Journal*, vol.17, no.1, Sep. 2018, doi: 10.1186/s12936-018-2481-4.
- [7] K.K. Yasuda, J.P. Vincent, M. Nakatsu, Y. Kato, N. Ohmagari, and S. Kano, "A novel PCR-based system for the detection of four species of human malaria parasites and Plasmodium knowlesi", *PLoS ONE*, vol.13, 2018, doi: 10.1371/journal.pone.0191886.
- [8] P. A. Pattanaik, M. Mittal, and M.Z. Khan, "Unsupervised Deep Learning CAD Scheme for the Detection of Malaria in Blood Smear Microscopic Images", *IEEE Access*, vol. 8, pp. 94936-94946, 2020, doi: 10.1109/ACCESS.2020.2996022.
- [9] M. Tan and Q.V. Le, "EfficientNet: Rethinking Model Scaling for Convolutional Neural Networks", May 2019.
- [10] G. Marques, D. Agarwal, and I.D.L.T. Díez, "Automated medical diagnosis of COVID-19 through EfficientNet convolutional neural network", *Applied Soft Computing*, vol. 96, p. 106691, Nov. 2020, doi: 10.1016/j.asoc.2020.106691.
- [11] W. Gong, H. Chen, Z. Zhang, M. Zhang, R. Wang, C. Guan, and Q. Wang, "A Novel Deep Learning Method for Intelligent Fault Diagnosis of Rotating Machinery Based on Improved CNN-SVM and Multichannel Data Fusion", *MDPI*, April 2019, doi:10.3390/s19071693.

- [12] S.M.K. Kesehatan, Dirjen P2PL, "Pedoman Teknis Pemeriksaan Malaria," *Buku Pedoman*, 2017.
- [13] M.A. Phillips, J.N. Burrows, C. Manyando, R.H.V. Huijsdijnen, W.C.V. Voorhis, and T.N.C. Wells, "Malaria", *Nature Reviews Disease Primers*, vol. 3, no. 1, p. 17050, Dec. 2017, doi: 10.1038/nrdp.2017.50.
- [14] C. Solomon and T. Breckon. "Fundamentals of Digital Image Processing: A practical approach with examples in Matlab", *John Wiley & Sons*, 2011, doi: 10.1002/9780470689776.
- [15] R.Y. Choi, A.S. Coyner, J.K. Cramer, M.F. Chiang, and J.P. Campbell, "Introduction to machine learning, neural networks, and deep learning" *Translational Vision Science & Technology*, vol. 9, no. 2, pp. 14–14, Jan. 2020, doi: 10.1167/tvst.9.2.14.
- [16] M.A. Razzaque, and M.R. Karim, "Hands-On Deep Learning for IoT: Train neural network models to develop intelligent IoT applications". *Packt Publishing Ltd*, 2019.
- [17] D.S. Kermany, M. Goldbaum, W. Cai, C.C.S Valentim, H. Liang, S.L. Baxter, A. McKeown, G. Yang, X. Wu, and F. Yan, "Identifying Medical Diagnoses and Treatable Diseases by Image-Based Deep Learning" *Cell*, vol. 172, no. 5, pp. 1122-1131.e9, Feb. 2018, doi: 10.1016/j.cell.2018.02.010.
- [18] Y. Ho and S. Wookey, "The Real-World-Weight Cross-Entropy Loss Function: Modeling the Costs of Mislabeling", *IEEE Access*, vol. 8, pp. 4806-4813, 2020, doi: 10.1109/ACCESS.2019.2962617.
- [19] D.P. Kingma and J. Ba, "Adam: A Method for Stochastic Optimization", *arXiv.org*, 2014. <https://arxiv.org/abs/1412.6980>.
- [20] N.M. Aszemi and P.D.D. Dominic, "Hyperparameter Optimization in Convolutional Neural Network using Genetic Algorithms", (*IJACSA*) *International Journal of Advanced Computer Science and Applications*, Vol. 10, No. 6, 2019, doi: 10.14569/ijacsa.2019.0100638.
- [21] B. Yekkehkhany, A. Safari, S. Homayouni, and M. Hasanlou, "A Comparison Study of Different Kernel Functions for SVM-based Classification of Multi-temporal Polarimetry SAR Data", *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Volume XL-2/W3, Nov. 2014, doi: 10.5194/isprsarchives-xl-2-w3-281-2014.
- [22] H.A. Azies, D. Trishnanti, and E. Mustikawati, "Comparison of Kernel Support Vector Machine (SVM) in Classification of Human Development Index (HDI)", *IPTEK Journal of Proceedings Series*, No.6, pp. 53-57, Dec. 2019.
- [23] T. Fletcher, "Support Vector Machine Explained". *University College London*, 2008.
- [24] N. Nurzaenab, M.S. Hadis, and R. Angriawan, "Nilai Optimal Clip Limit Metode CLAHE Untuk Meningkatkan Akurasi Pengenalan Wajah pada Video CCTV", *INSTEK*, Vol. 5 No. 2, Okt. 2020.

- [25] A. Wedianto, H.L. Sari, and Y. Suzantri, “Analisa Perbandingan Metode Filter Gaussian, Mean dan Median terhadap Reduksi Noise”, *Jurnal Media Infotama*, Vol. 12 No. 1, Feb. 2016.
- [26] A. Mustapha, A. Hussain, and S.A. Samad, “A new approach for noise reduction in spine radiograph images using a non-linear contrast adjustment scheme based adaptive factor”, *Scientific Research and Essays*, Vol. 6(20), pp. 4246-4258, Sept. 2011.