

DAFTAR PUSTAKA

Ambarka, A., Djara, T., Sobabe, A. A., & Fayomi, H. (2023). Prediction of malaria Plasmodium stage and type through object detection. In Proceedings of the 5th International Conference on Bio-Engineering for Smart Technologies, BioSMART 2023. Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350338492.

Anugrah, R., Usman, K., & Novamizanti, L. (2023). Classification of malaria in Red blood cell microscopic images using deep Learning with EfficientNet architecture and SVM. In Proceedings of the 8th International Conference on Recent Advances and Innovations in Engineering: Empowering Computing, Analytics, and Engineering Through Digital Innovation, ICRAIE 2023. Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350315516.

Centers for Disease Control and Prevention. (2022). Malaria: Epidemiology and transmission. Retrieved from <https://www.cdc.gov/malaria/about/index.html>

Cortes, C., Vapnik, V., & Saitta, L. (1995). Support-vector Networks. Machine Learning, 20(3), 273–297. Kluwer Academic Publishers.

Cowman, A. F., Healer, J., Marapana, D., & Marsh, K. (2016). Malaria: Biology and disease. Cell, 167(3), 610–624. <https://doi.org/10.1016/j.cell.2016.07.055>

Dalal, N., & Triggs, B. (2005). Histograms of oriented gradients for human detection. Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition. <http://lear.inrialpes.fr/people/triggs/pubs/Dalal-cvpr05.pdf>

Deng, Z., et al. Multi-scale object detection in remote sensing imagery with convolutional neural networks. ISPRS J. Photogram. Remote Sensing (2018), <https://doi.org/10.1016/j.isprsjprs.2018.04.003>

Greenwood, B., Bojang, K., Whitty, C. J., & Targett, G. A. (2005). Malaria. The Lancet, 365(9469), 1487–1498. [https://doi.org/10.1016/S0140-6736\(05\)66420-3](https://doi.org/10.1016/S0140-6736(05)66420-3)

Haralick, R. M., Shanmugam, K., & Dinstein, I. (1973). Textural Features for image classification. IEEE Transactions on Systems, Man, and Cybernetics, SMC-3(6), 610–621.

Harangi, B., Toth, J., & Hajdu, A. (2019). Automatic detection of diabetic retinopathy: A review. Neural Networks, 121, 137–153. <https://doi.org/10.1016/j.neunet.2019.09.028>

Hcini, G., Jdey, I., & Ltifi, H. (2023). HSV-Net: A custom CNN for malaria detection with enhanced color representation. In *Proceedings of the 2023 International Conference on Cyberworlds, CW 2023* (pP. 337–340). Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350315653.

IEEE Engineering in Medicine and Biology Society, National Institutes of Health (U.S.), & Institute of Electrical and Electronics Engineers. (2019). *2019 IEEE Healthcare Innovations and Point of Care Technologies, (HI-POCT)*. Institute of Electrical and Electronics Engineers Inc. ISBN: 9781728138121.

IEEE Engineering in Medicine and Biology Society. *Annual International Conference (41st : 2019 : Berlin, Germany)*, IEEE Engineering in Medicine and Biology Society, & Institute of Electrical and Electronics Engineers. (2019). *2019 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC): Biomedical engineering ranging from wellness to intensive care: 41st EMB Conference 2019: July 23–27, Berlin*. Institute of Electrical and Electronics Engineers Inc. ISBN: 9781538613115.

Kandula, A. R., Kalyanapu, S., Gottipati, L. S., Kamma, H., Munagala, M., & Ramachandran, P. (2023). Revolutionizing malaria diagnosis: A deep Learning approach. In *Proceedings of the International Conference on Sustainable Computing and Smart Systems, ICSCSS 2023* (pP. 63–66). Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350333602.

Kementerian Kesehatan Republik Indonesia. (2020). *Laporan tahunan 2020: Situasi malaria di Indonesia*. Jakarta: Kementerian Kesehatan RI. Retrieved from <https://www.kemkes.go.id/resources/download/pusdatin/lain-lain/Laporan-Situasi-Malaria-di-Indonesia-2020.pdf>

Le, X., Nguyen, M., & Pham, H. (2018). Vehicle classification in UAV images using deep Learning and hand-crafted Features. *Journal of Visual Communication and Image Representation*, 53, 1–10. <https://doi.org/10.1016/j.jvcir.2018.02.006>

LeCun, Y., Bottou, L., Bengio, Y., & Haffner, P. (1998). Gradient-based Learning applied to document recognition. *Proceedings of the IEEE*, 86(11), 2278–2323. <https://doi.org/10.1109/5.726791>

Murshed, M., Institute of Electrical and Electronics Engineers, & International Association for Pattern Recognition. (2018). *2018 International Conference on Digital Image Computing: Techniques and Applications (DICTA): Canberra, Australia, 10 December–13 December 2018*. Institute of Electrical and Electronics Engineers Inc. ISBN: 9781538666029.

Nascimento, M. S., Costa, M. G. F., & Costa Filho, C. F. (2023). Detection of malaria parasites in thick blood smear images using Shallow Neural Networks and digital image processing techniques. In *Proceedings of the 19th International*

Symposium on Medical Information Processing and Analysis, SIPAIM 2023. Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350325232.

National Institutes of Health. (2021). Malaria Parasite Image Database (MP-IDB). NIH. Retrieved from <https://www.ncbi.nlm.nih.gov/research/mp-idb/>

Ojala, T., Pietikainen, M., & Harwood, D. (1996). A comparative study of texture measures with classification based on Feature distributions. *Pattern Recognition*, 29(1), 51–59. [https://doi.org/10.1016/0031-3203\(95\)00067-4](https://doi.org/10.1016/0031-3203(95)00067-4)

Rahman, M. H., Akter, M., Islam, M. R., Alam, S. M. M., Rahman, M. A., Tabassum, F., & Rahman, M. (2022). Development of an auto-detection and quantification algorithm of malaria infection using image processing. In *Proceedings of the 2022 International Conference on Advancement in Electrical and Electronic Engineering, ICAEEE 2022*. Institute of Electrical and Electronics Engineers Inc. ISBN: 9781665469449.

Redmon, J., Divvala, S., Girshick, R., & Farhadi, A. (2016). You Only Look Once: Unified, real-time object detection. In *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition, 2016-December* (pP. 779–788). Institute of Electrical and Electronics Engineers Inc. ISBN: 9781467388504.

Ren, S., He, K., Girshick, R., & Sun, J. (2015). FRCNN: Towards real-time object detection with region proposal Networks. *arXiv*. <http://arxiv.org/abs/1506.01497>.

Sapkota, R., Ahmed, D., & Karkee, M. (2024). Comparing YOLOv8 and Mask R-CNN for instance segmentation in complex orchard environments. *Artificial Intelligence in Agriculture*, 13, 84–99. <https://doi.org/10.1016/j.aiia.2024.07.001>

Shambhu, S., Koundal, D., & Das, P. (2023). Edge-based segmentation for accuRate detection of malaria parasites in microscopic blood smear images: A novel approach using FCM and MPP algorithms. In *Proceedings of the 2023 2nd International Conference on Smart Technologies and Systems for Next Generation Computing, ICSTSN 2023*. Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350348002.

Simonyan, K., & Zisserman, A. (2014). Very deep convolutional Networks for large-scale image recognition. *arXiv*. <http://arxiv.org/abs/1409.1556>.

Solomon, E., & Cios, K. J. (2023). HDLHC: Hybrid face anti-spoofing method concatenating deep Learning and buatan tangan Features. In *Proceedings of the 2023 IEEE 6th International Conference on Electronic Information and Communication Technology, ICEICT 2023* (pP. 470–474). Institute of Electrical and Electronics Engineers Inc. ISBN: 9798350399059.

Tyassari, W., Di Yogyakarta, & Mohd Kanafia, S. N. A., Jusman, Y., Mohamed, Z., & Payana, N. D. (2023). Classification of malaria images in thropozoid stages using deep Learning models. Report.

World Health Organization. (2020). World malaria report 2020: 20 years of global progress and challenges. WHO. Retrieved from <https://www.who.int/publications/i/item/9789240015791>

World Health Organization. (2021). World malaria report 2021. WHO. Retrieved from <https://www.who.int/teams/global-malaria-programme/reports/world-malaria-report-2021>

Zhang, J., Xie, Y., Wu, Q., & Xia, Y. (2018). Medical image classification using synergic deep Learning. *Journal of Medical Imaging*, 5(4), 044504. <https://doi.org/10.1117/1.JMI.5.4.044504>

Zhang, J., Xia, Y., Xie, Y., Fulham, M., & Feng, D. D. (2018). Classification of medical images in the biomedical literature by jointly using deep and handcrafted visual Features. *IEEE Journal of Biomedical and Health Informatics*, 22(5), 1521–1530. <https://doi.org/10.1109/JBHI.2018.2791971>