











- Technologies and Applied Sciences*, Dec. 2019, doi: 10.1109/ICETAS48360.2019.9117446.
- [2] M. M. Qanbar and S. Tasdemir, "Detection of Malaria Diseases with Residual Attention Network," *International Journal of Intelligent Systems and Applications in Engineering*, vol. 7, no. 4, pp. 238–244, Dec. 2019, doi: 10.18201/ijisae.2019457677.
  - [3] T. Kami, A. Zein, and M. I. Analisis, "Sainstech : Jurnal Penelitian dan Pengkajian Sains dan Teknologi Pendeteksian Penyakit Malaria Menggunakan Medical Images Analisis Dengan Deep Learning Python," vol. 29, no. 1, pp. 28–29, 2019.
  - [4] D. R. Loh, W. X. Yong, J. Yapeter, K. Subburaj, and R. Chandramohanadas, "A deep learning approach to the screening of malaria infection: Automated and rapid cell counting, object detection and instance segmentation using Mask R-CNN," *Computerized Medical Imaging and Graphics*, vol. 88, p. 101845, Mar. 2021, doi: 10.1016/J.COMPAMEDIMAG.2020.101845.
  - [5] A. Rahman *et al.*, "Improving Malaria Parasite Detection from Red Blood Cell using Deep Convolutional Neural Networks," Jul. 2019, doi: 10.48550/arxiv.1907.10418.
  - [6] A. Abubakar, M. Ajuji, and I. U. Yahya, "DeepFMD: Computational Analysis for Malaria Detection in Blood-Smear Images Using Deep-Learning Features," *Applied System Innovation 2021, Vol. 4, Page 82*, vol. 4, no. 4, p. 82, Oct. 2021, doi: 10.3390/ASI4040082.
  - [7] Y. Supranelfy and R. Oktarina, "Gambaran Perilaku Pencegahan Penyakit Malaria di Sumatera Selatan (Analisis Lanjut Riskekdas 2018)," *Balaba: Jurnal Litbang Pengendalian Penyakit Bersumber Binatang Banjarnegara*, pp. 19–28, 2021, doi: 10.22435/blb.v17i1.3556.
  - [8] A. Sai Bharadwaj Reddy and D. Sujitha Juliet, "Transfer learning with RESNET-50 for malaria cell-image classification," *Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019*, no. April 2019, pp. 945–949, 2019, doi: 10.1109/ICCSP.2019.8697909.
  - [9] M. Masud *et al.*, "Leveraging Deep Learning Techniques for Malaria Parasite Detection Using Mobile Application," *Wirel Commun Mob Comput*, vol. 2020, 2020, doi: 10.1155/2020/8895429.
  - [10] A. Q. M. S. Sayyed, D. Saha, A. R. Hossain, and C. Shahnaz, "Effectiveness of Convolutional and Capsule network in Malaria Parasite Detection," *2019 IEEE International Conference on Signal Processing, Information, Communication and Systems, SPICSCON 2019*, pp. 68–73, Nov. 2019, doi: 10.1109/SPICSCON48833.2019.9065074.
  - [11] M. H. D. Alnussairi and A. A. Ibrahim, "Malaria parasite detection using deep learning algorithms based on (CNNs) technique," *Computers and Electrical Engineering*, vol. 103, p. 108316, Oct. 2022, doi: 10.1016/J.COMPELECENG.2022.108316.
  - [12] K. K. Jena, S. Kumar Bhoi, C. Mallick, D. Mohapatra, and P. Swain, "Classification of Malaria Parasitized and Uninfected Images Using Machine Learning Approach," *Proceedings of the 5th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2021*, pp. 1274–1279, 2021, doi: 10.1109/I-SMAC52330.2021.9640905.
  - [13] W. R. W. M. Razin, T. S. Gunawan, M. Kartiwi, and N. Md. Yusoff, "Malaria Parasite Detection and Classification using CNN and YOLOv5 Architectures," pp. 277–281, Nov. 2022, doi: 10.1109/ICSIMA55652.2022.9928992.
  - [14] W. Deelder *et al.*, "Using deep learning to identify recent positive selection in malaria parasite sequence data," *Malar J*, vol. 20, no. 1, pp. 1–9, Dec. 2021, doi: 10.1186/S12936-021-03788-X/TABLES/3.
  - [15] M. O. Arowolo, M. Adebisi, A. Adebisi, and O. Okesola, "PCA Model for RNA-Seq Malaria Vector Data Classification Using KNN and Decision Tree Algorithm," *2020 International Conference in Mathematics, Computer Engineering and Computer Science, ICMCECS 2020*, Mar. 2020, doi: 10.1109/ICMCECS47690.2020.240881.
  - [16] K. M. F. Fuhad, J. F. Tuba, M. R. A. Sarker, S. Momen, N. Mohammed, and T. Rahman, "Deep Learning Based Automatic Malaria Parasite Detection from Blood Smear and Its Smartphone Based Application," *Diagnostics 2020, Vol. 10, Page 329*, vol. 10, no. 5, p. 329, May 2020, doi: 10.3390/DIAGNOSTICS10050329.
  - [17] G. Comert, N. Begashaw, and A. Turhan-Comert, "Malaria Outbreak Detection with Machine Learning Methods," *bioRxiv*, p. 2020.07.21.214213, Jul. 2020, doi: 10.1101/2020.07.21.214213.
  - [18] O. Nkiruka, R. Prasad, and O. Clement, "Prediction of malaria incidence using climate variability and machine learning," *Inform Med Unlocked*, vol. 22, p. 100508, Jan. 2021, doi: 10.1016/J.IMU.2020.100508.
  - [19] Y. W. Lee, J. W. Choi, and E. H. Shin, "Machine learning model for predicting malaria using clinical information," *Comput Biol Med*, vol. 129, p. 104151, Feb. 2021, doi: 10.1016/J.COMPBIOMED.2020.104151.
  - [20] A. Q. M. S. Sayyed, D. Saha, A. R. Hossain, and C. Shahnaz, "Effectiveness of Convolutional and Capsule network in Malaria Parasite Detection," *2019 IEEE International Conference on Signal Processing, Information, Communication and Systems, SPICSCON 2019*, no. November, pp. 68–73, 2019, doi: 10.1109/SPICSCON48833.2019.9065074.
  - [21] L. A. Andika, H. Pratiwi, and S. S. Handajani, "Lingga Aji Andika 1, Hasih Pratiwi 2, and Sri Sulistijowati Handajani 3 1," *Indonesian Journal of Statistics and Its Applications*, vol. 3, no. 3, pp. 331–340, 2019.
  - [22] K. Sriporn, C. F. Tsai, C. E. Tsai, and P. Wang, "Analyzing Malaria Disease Using Effective Deep Learning Approach," *Diagnostics 2020, Vol. 10, Page 744*, vol. 10, no. 10, p. 744, Sep. 2020, doi: 10.3390/DIAGNOSTICS10100744.
  - [23] M. Suriya, V. Chandran, and M. G. Sumithra, "Enhanced deep convolutional neural network for malarial parasite classification," *International Journal of Computers and Applications*, vol. 0, no. 0, pp. 1–10, 2019, doi: 10.1080/1206212X.2019.1672277.
  - [24] "Cell Image Malaria Dataset Available : <https://www.kaggle.com/iarunava/cell-images-for-detecting-malaria>."
  - [25] "NIH: Cell Image Malaria Dataset Available : <https://ceb.nlm.nih.gov/repositories/malaria-datasets/>".
  - [26] A. Rahman, H. Zunair, T. R. Reme, M. S. Rahman, and M. R. C. Mahdy, "A comparative analysis of deep learning architectures on high variation malaria parasite classification dataset," *Tissue Cell*, vol. 69, p. 101473, Apr. 2021, doi: 10.1016/J.TICE.2020.101473.
  - [27] M. Harahap, J. Jefferson, S. Barti, S. Samosir, and C. A. Turnip, "Implementation of Convolutional Neural Network in the classification of red blood cells have affected of malaria," *Sinkron*, vol. 5, no. 2, pp. 199–207, 2020, doi: 10.33395/sinkron.v5i2.10713.
  - [28] S. D. H. Permana, G. Saputra, B. Arifitama, Yaddarabullah, W. Caesarendra, and R. Rahim, "Classification of bird sounds as an early warning method of forest fires using Convolutional Neural Network (CNN) algorithm," *Journal of King Saud University - Computer and Information Sciences*, no. xxxx, 2021, doi: 10.1016/j.jksuci.2021.04.013.
  - [29] Z. Liang *et al.*, "CNN-based image analysis for malaria diagnosis," *Proceedings - 2016 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2016*, pp. 493–496, 2017, doi: 10.1109/BIBM.2016.7822567.
  - [30] C. Szegedy, V. Vanhoucke, S. Ioffe, J. Shlens, and Z. Wojna, "Rethinking the Inception Architecture for Computer Vision," *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition*, vol. 2016-December, pp. 2818–2826, Dec. 2016, doi: 10.1109/CVPR.2016.308.
  - [31] I. K. A. Wirayasa, "Comparison of Convolutional Neural Networks Model Using Different Optimizers for Image Classification International Journal of Sciences: Comparison of Convolutional Neural Networks Model Using Different Optimizers for Image Classification," no. September, 2021.
  - [32] Y. Bhatia, A. Bajpayee, D. Raghuvanshi, and H. Mittal, "v2 and Recurrent Neural Network," *2019 Twelfth International Conference on Contemporary Computing (IC3)*, pp. 1–6, 2019.
  - [33] D. Shah, K. Kawale, M. Shah, S. Randive, and R. Mapari, "Malaria Parasite Detection Using Deep Learning: (Beneficial to humankind)," *Proceedings of the International Conference on Intelligent Computing and Control Systems, ICICCS 2020*, no. Iciccs, pp. 984–988, 2020, doi: 10.1109/ICICCS48265.2020.9121073.
  - [34] A. Sai Bharadwaj Reddy and D. Sujitha Juliet, "Transfer learning with RESNET-50 for malaria cell-image classification," *Proceedings of the 2019 IEEE International Conference on Communication and Signal Processing, ICCSP 2019*, pp. 945–949, Apr. 2019, doi: 10.1109/ICCSP.2019.8697909.