

DAFTAR PUSTAKA

- AAT BioTech. (2023). *Phosphate Buffer Preparation Table (pH 5.8–7.4)*. AAT BioTech Laboratory Protocols.
- Adiputra, I. M. S., Trisnadewi, N. W., Oktaviani, N. P. W., Munthe, S. A., Hulu, V. T., Budiastutik, I., Faridi, A., Ramdany, R., Fitriani, R. J., Tania, P. O. A., Rahmiati, B. F., Lusiana, S. A., Susilawaty, A., Sianturi, E., dan Suryana, S. (2021). *Metodologi Penelitian Kesehatan*. Medan: Yayasan Kita Menulis..
- Amaris, W. M. F., Suárez, D. R., Cortés-Cortés, L. J., Salazar-Centeno, C. A., Castañeda, A., Martínez-Bernal, O. D., & Martínez, C. (2022). Malaria microscopy and parasite detection techniques: Comparative accuracy of thick and thin blood films. *Journal of Clinical Parasitology*, 45(2).
- Amaris, W. M. F., Suárez, D. R., Cortés-Cortés, L. J., Salazar-Centeno, C. A., Castañeda, A. dan Martínez-Bernal, O. D. (2024). CAM: A novel aid system to analyse the coloration quality of thick blood smears using image processing and machine learning techniques. *Malaria Journal*, 23(1).
- Ashraf, S., Kao, A., Hugo, C., Christophel, E. M., Fatunmbi, B., Luchavez, J., Lilley, K., & Bell, D. (2012). Developing standards for malaria microscopy: external competency assessment for malaria microscopists in the Asia-Pacific. *Malaria Journal*
- Awalia, S. F. (2023). *Pemanfaatan Aquadest dan Air Mineral Kemasan Sebagai Pengganti Larutan Buffer pH 7,2 dalam Sediaan Darah Tipis Pemeriksaan Malaria*. Skripsi, Universitas Lampung.
- Centers for Disease Control and Prevention (CDC). (2015). *Malaria – DPDx Parasite Biology and Life Cycle*. Atlanta, GA: CDC
- Centers for Disease Control and Prevention (CDC). (2022). *About Malaria – History of Malaria, an Ancient Disease*. CDC. Diakses pada tanggal 15 Oktober 2025 dari <https://www.cdc.gov/malaria/about/histor>
- Centers For Disease Control And Prevention (Cdc). (2022). *Malaria – Biology And Life Cycle Of Plasmodium*. Cdc Publications.
- Centers For Disease Control And Prevention (Cdc). (2023). *Dpdx: Laboratory Identification Of Parasites Of Public Health Concern – Malaria*. Atlanta, Usa.

- Centers For Disease Control And Prevention (Cdc). (2024). *Malaria Diagnosis (U.S. Centers For Disease Control And Prevention)*. Diakses pada tanggal 20 Oktober 2025 dari <https://www.Cdc.Gov/Dpdx/Malaria>
- Clinical Laboratory Improvement Amendments. (1998). *Clinical Laboratory Improvement Amendments (CLIA)*. United States Department of Health and Human Services.
- Collins, W. E., dan Jeffery, G. M. (2021). *Plasmodium Species That Infect Humans: Insights From Epidemiology And Biology*. *Journal Of Parasitology Research*, 2021, 1–12.
- Collins, W. E., Jeffery, G. M., & Roberts, J. M. (2021). *Plasmodium ovale biology and epidemiology*. *Malaria Journal*, 20(1).
- Cox-Singh J, Davis TME, Lee KS, Shamsul SSG, Matusop A, Ratnam S, Rahman HA, Conway DJ, Singh B. Plasmodium knowlesi malaria in humans is widely distributed in Southeast Asia. *Lancet Infect Dis*. 2008;8(9).
- Cox-Singh, J. (2021). *Plasmodium Knowlesi Malaria In Humans: Clinical Features And Zoonotic Potential*. *The Lancet Infectious Diseases*, 21(3), 312–322.
- Damayanti, R. (2023). Apusan darah tipis untuk identifikasi malaria. *Jurnal Parasitologi Indonesia*, 17(2).
- Fatmawati, N., Rahardjo, T., & Sari, D. (2023). Stabilitas Pewarnaan Giemsa Terhadap Perubahan Ph Buffer Fosfat. *Jurnal Teknologi Laboratorium Medik*, 12(2), 45–52.
- Ganesh, S., dkk. (2016). Dynamic Approach To Predict Ph Profiles Of Biologically Relevant Phosphate Buffers. *The Journal Of Physical Chemistry B*, 120(12), 2954–2964.
- Hartati, S., Prasetyo, A., Lestari, D., & Nugroho, R. (2024). *Clinical features of Plasmodium vivax malaria*. *Indonesian Journal of Tropical Medicine*, 12(1).
- Hartati, R., Rahmawati, D., dan Suryani, N. (2024). Evaluation Study Of The Quality Of The Use Of Giemsa Dye In Malaria Microscopic Examination In The Laboratory Of Health Service Facilities In Jayapura. *Health Innovation Journal Of Papua*, 3(1), 25–34.
- Kavanaugh, M., Thwing, J., Eisele, T. P., & Yukich, J. (2021). *Performance of rapid diagnostic tests for malaria*. *American Journal of Tropical Medicine and Hygiene*, 104(3).

- Kementerian Kesehatan RI. (2017). *Pedoman Teknis Pemeriksaan Parasit Malaria*. Jakarta: Kemenkes RI.
- Kementerian Kesehatan Republik Indonesia. (2020a). *Pedoman Pemeriksaan Malaria untuk Tenaga Laboratorium Kesehatan*. Jakarta: Kemenkes RI.
- Kementerian Kesehatan Republik Indonesia. (2021). *Pedoman Pemeriksaan Laboratorium Malaria Di Fasilitas Pelayanan Kesehatan*. Jakarta: Kemenkes RI.
- Kementerian Kesehatan Republik Indonesia. (2023). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 24 Tahun 2023 tentang Klasifikasi Unit Pelaksana Teknis Bidang Laboratorium Kesehatan Masyarakat*. Jakarta: Kemenkes RI
- Kementerian Kesehatan Republik Indonesia. (2023). *Profil Kesehatan Indonesia 2023: Eliminasi Malaria Nasional*. Jakarta: Kemenkes RI.
- Kementerian Kesehatan Republik Indonesia. (2024a). *Peraturan Pemerintah Republik Indonesia Nomor 28 Tahun 2024 tentang Peraturan Pelaksanaan Undang-Undang Nomor 17 Tahun 2023 tentang Kesehatan*. Jakarta: Kemenkes RI
- Kementerian Kesehatan Republik Indonesia. (2024a). *Buku Saku Tata Laksana Kasus Malaria*. Jakarta: Kemenkes RI.
- Maturana, C. R., López, J., Ramírez, L., dan Torres, M. (2022). *Advances and challenges in automated malaria diagnosis*. *Frontiers in Artificial Intelligence*, 5.
- Mediavilla, A., Ramírez, C., Torres, M., dan González, P. (2024). *Real-time PCR for malaria diagnosis and identification of Plasmodium species in field settings*. *Parasite Epidemiology and Control*, 24(2).
- Notoatmodjo, S. (2022). *Metodologi Penelitian Kesehatan*. Jakarta: PT. Rineka Cipta
- Opoku Afriyie, S., Mensah, R., Boateng, K., dan Owusu, A. (2023). *Comparing microscopy, RDT and highly sensitive qPCR for malaria diagnosis*. *Malaria Journal*, 22(1).
- Price, R. N., Douglas, N. M., dan Anstey, N. M. (2020). *Plasmodium Vivax Malaria: Challenges In Diagnosis And Management*. *Bmc Medicine*, 18(1).
- Putri, D. A., dan Lestari, R. (2022). *Makrositosis Dan Kaitannya Dengan Defisiensi Vitamin B12 Dan Asam Folat*. *Jurnal Kesehatan Laboratorium*, 9(3).

- Putri, D. A., dan Hamidah, L. (2024). Hubungan Antara Lama Fiksasi Dengan Kualitas Warna Sediaan Darah. *Jurnal Laboratorium Klinik Dan Riset Diagnostik*, 9(2).
- Rachmawati, N., Sari, D., & Pratama, R. (2021). Apusan darah tipis untuk identifikasi *Plasmodium*. *Jurnal Biomedik Indonesia*, 13(2).
- Rachmawati, N., dan Wibowo, A. (2022). Pengaruh pelarut terhadap kualitas pewarnaan Giemsa. *Jurnal Parasitologi Indonesia*, 18(1).
- Rachmawati, N., dan Wibowo, A. (2022). Panduan Skrining Malaria di Unit Transfusi Darah. *Jurnal Teknologi Laboratorium Medis Indonesia*, 5(2).
- Rahmawati, B. (2022). *Panduan Skrining Malaria Di Unit Transfusi Darah*. Direktorat Jenderal Pelayanan Kesehatan, Kemenkes RI.
- Rahmawati, N., dkk. (2025). Comparison Of Methanol And Ethanol Fixatives In Thin Blood Smears For Malaria Diagnosis. *Asian Journal Of Medical Laboratory Science*, 12(1).
- Republik Indonesia. (2023). *Undang-Undang Republik Indonesia Nomor 17 Tahun 2023 tentang Kesehatan*. Jakarta: Sekretariat Negara Republik Indonesia.
- Riyadi, S. A., Azhara, F. S., Koromath, R. Y., & Fadhilah, F. (2021). Pewarnaan Preparat Apus Tipis Malaria Menggunakan Ekstrak Murbei Sebagai Pengganti Eosin pada Komposisi Giemsa. *Chempublish Journal*, 6(2), 75–89.
- Sari, P., & Rahmadani, F. (2023). Gambaran Eritrosit Abnormal Pada Penyakit Hemolitik Dan Talasemia. *Jurnal Teknologi Medis*, 8(2), 112–118.
- Shaubilla, A. (2023). *Gambaran hasil pewarnaan sediaan apus darah tepi dengan Giemsa 10% menggunakan aquadest dan buffer fosfat pH 7,2*. Karya Tulis Ilmiah, Universitas Muhammadiyah Palangkaraya.
- Singh, B., dan Daneshvar, C. (2013). Human Infections and Detection of *Plasmodium knowlesi*. *Clinical Microbiology Reviews*, 26(2), 165–184. Diakses di <https://doi.org/10.1128/CMR.00079-12> pada 25 November.
- Sorontou, Y., & Agussalim, A. (2021). Efektivitas Giemsa 10% untuk deteksi malaria di Papua. *Jurnal Kesehatan Tropis*, 9(2)..
- Sugiyono. (2013). *Metode Penelitian Kuantitatif, Kualitatif, dan R&D*. Bandung: Alfabeta.

- Suwandi, A., Pratama, R., dan Lestari, D. (2021). *Parasite density and clearance in uncomplicated falciparum malaria* Tesis Universitas Lampung. Universitas Lampung Repository.
- Swart, J., van Dijk, N., Peters, R., dan de Vries, L. (2014). *Morphology of Plasmodium falciparum*. *Malaria Journal*, 13(1).
- Syapitri, D., Nasution, H., dan Lestari, R. (2023). *Perbandingan Hasil Pewarnaan Giemsa Menggunakan Aquades dan Buffer Fosfat pada Sediaan Malaria*. *Jurnal Biomedika dan Diagnostik*, 6(3).
- Universitas Islam Negeri Sultan Syarif Kasim Riau. (2023). *Modul Praktikum Kimia Dasar: Pembuatan Larutan Buffer Fosfat*. Riau : UIN Suska Fakultas Sains Dan Teknologi
- Vu, T. T., Lee, S. H., dan Park, J. (2021). Development Of A Robust Blood Smear Preparation For Morphology Of Erythrocytes, Leukocytes, And Platelets. *Plos One*, 16(8).
- Wantini, E., dan Huda, F. (2021). Pengaruh Konsentrasi Dan Waktu Pengecatan Giemsa Pada Pemeriksaan Mikroskopik Malaria. *Jurnal Analis Kesehatan*, 10(1).
- Widyaningsih, E. (2022). *Modul Praktikum Hematologi Klinik*. Surabaya: Poltekkes Kemenkes Surabaya.
- Widyaningsih. 2022. *Parasitologi Klinik dan Pemeriksaan Malaria*. Yogyakarta: Penerbit Medika.
- Wirawan, A., dan Haryatmi, S. (2025). Pengaruh buffer fosfat terhadap kualitas pewarnaan Giemsa. *Jurnal Biomedik Indonesia*, 14(1).
- World Health Organization (WHO). (2016). *Malaria microscopy standard operating procedures*. Geneva: WHO.
- World Health Organization (Who). (2021). *Basic Malaria Microscopy – Part I: Learner’s Guide (2nd Ed.)*. Geneva: Who Press.
- World Health Organization. 2021. *Guidelines for Malaria Microscopy*. Geneva: World Health Organization.
- World Health Organization. (2021). *Malaria Microscopy Quality Assurance Manual: Version 2*. Geneva: WHO Press.
- World Health Organization. (2021). *Malaria Microscopy Quality Assurance Manual (3rd ed.)*. Geneva: World Health Organization.

- World Health Organization (Who). (2021). *World Malaria Report 2021*. Geneva: Who Press.
- World Health Organization. (2023). *Guidelines for Malaria Diagnosis and Treatment*. Geneva: WHO.
- World Health Organization (Who). (2023). *Basic Malaria Microscopy – Part Ii: Tutor’s Guide (2nd Ed.)*. Geneva: Who.
- World Health Organization (Who). (2023). *Malaria Microscopy Quality Assurance Manual (Version 3)*. Geneva: Who.
- World Health Organization. (2023). *Malaria Microscopy Quality Assurance Manual* (4th ed.). Geneva: WHO.
- World Health Organization (Who). (2023). *Malaria Rapid Diagnostic Test Performance: Summary Results Of Who Product Testing Of Malaria Rdt: Round 9 (2023)*. Geneva: Who.
- World Health Organization (Who). (2023). *Microscopy For The Detection, Identification And Quantification Of Malaria Parasites On Stained Thick And Thin Blood Films*. Geneva: Who.
- World Health Organization (Who). (2023). *Preparation Of Water Buffered To Ph 7.2 With Buffer Tablets (Gmp-Sop-03b)*. Geneva: Who Malaria Microscopy Standard Operating Procedure.
- World Health Organization (WHO). (2023). *World Malaria Report 2023*. Geneva: World Health Organization.
- World Health Organization (Who). (2024). *Surveillance Protocol For Pfhrp2/Pfhrp3 Gene Deletions*. Geneva: Who.
- Zelege, M. T., dkk. (2023). Diagnostic Performance Of Plasmodium Malaria Rapid Diagnostic Tests In Ethiopia. *Malaria Journal*