

DAFTAR PUSTAKA

- Amaral, L.C., Robortella, D.R., Guimarães, L.F.F., Limongi, J.E., Fontes, C.J.F., Pereira, D.B., De Brito, C.F.A., Kano, F.S., De Sousa, T.N. and Carvalho, L.H. (2019) ‘Ribosomal and non-ribosomal PCR targets for the detection of low-density and mixed malaria infections’, *Malaria Journal*, 18(1), pp. 1–14. Available at: <https://doi.org/10.1186/s12936-019-2781-3>.
- Ansah, F., Suurbaar, J., Darko, D., Anabire, N.G., Blankson, S.O., Domson, B.K.S., Soulama, A., Kpasra, P., Chirawurah, J.D., Amenga-Etego, L., Kanyong, P., Awandare, G.A. and Aniweh, Y. (2021) ‘Development of Cooperative Primer-Based Real-Time PCR Assays for the Detection of *Plasmodium malariae* and *Plasmodium ovale*’, *Journal of Molecular Diagnostics*, 23(10), pp. 1393–1403. Available at: <https://doi.org/10.1016/j.jmoldx.2021.07.022>.
- BIOTECH, F. (no date) *FavorPrep Blood Genomic DNA Extraction Mini Kit Handbook*. v20230401. Available at: http://www.favorgen.com/favorgen/port_h1.php?type_1=h_v_search#d11.
- Chaumeau, V., Andolina, C., Fustec, B., Ndam, N.T., Brengues, C., Herder, S., Cerqueira, D., Chareonviriyaphap, T., Nosten, F. and Corbel, V. (2016) ‘Comparison of the Performances of Five Primer Sets for the Detection and Quantification of *Plasmodium* in Anopheline Vectors by Real-Time PCR’, *PLoS ONE*, 11(7), pp. 1–15. Available at: <https://doi.org/10.1371/journal.pone.0159160>.
- Cnops, L., Jacobs, J. and Van Esbroeck, M. (2011) ‘Validation of a four-primer real-time PCR as a diagnostic tool for single and mixed *Plasmodium* infections’, *Clinical Microbiology and Infection*, 17(7), pp. 1101–1107. Available at: <https://doi.org/10.1111/j.1469-0691.2010.03344.x>.
- Divis, P.C., Shokoples, S.E., Singh, B. and Yanow, S.K. (2010) ‘A TaqMan real-time PCR assay for the detection and quantitation of *Plasmodium*

- knowlesi', *Malaria Journal*, 9(1), pp. 1–7. Available at: <https://doi.org/10.1186/1475-2875-9-344>.
- Fransisca, L., Kusnanto, J.H., Satoto, T.B.T., Sebayang, B., Supriyanto, Andriyan, E. and Bangs, M.J. (2015) 'Comparison of rapid diagnostic test Plasmodium falciparum, microscopy, and quantitative real-time PCR for diagnoses of Plasmodium falciparum and Plasmodium vivax infections in Mimika Regency, Papua, Indonesia', *Malaria Journal*, 14(1), pp. 1–11. Available at: <https://doi.org/10.1186/s12936-015-0615-5>.
- Hanina, H. (2018) 'Uji Diagnostik Polymerase Chain Reaction Dibandingkan Dengan Pengecatan Giemsa Pada Infeksi Malaria', *JAMBI MEDICAL JOURNAL 'Jurnal Kedokteran dan Kesehatan'*, 6(1), pp. 76–86. Available at: <https://doi.org/10.22437/jmj.v6i1.4823>.
- Hwang, S.Y., Kim, S.H., Lee, G.Y., Hang, V.T.T., Moon, C.S., Shin, J.H., Koo, W.L., Kim, S.Y., Park, H.J., Park, H.O. and Kho, W.G. (2011) 'A novel real-time PCR assay for the detection of Plasmodium falciparum and Plasmodium vivax malaria in low parasitized individuals', *Acta Tropica*, 120(1–2), pp. 40–45. Available at: <https://doi.org/10.1016/j.actatropica.2011.05.006>.
- Joanny, F., Löhr, S.J., Engleitner, T., Lell, B. and Mordmüller, B. (2014) 'Limit of blank and limit of detection of Plasmodium falciparum thick blood smear microscopy in a routine setting in Central Africa', *Malaria Journal*, 13(1), pp. 1–7. Available at: <https://doi.org/10.1186/1475-2875-13-234>.
- Jr Fouda Abougou, B. (2021) 'Finding Novel Strategies to Overcome the Impact of Malaria Vector Resistance in Limited-Resources Settings. The Case of Cameroon as a Basis for Reflection', *Plasmodium Species and Drug Resistance* [Preprint]. Available at: <https://doi.org/10.5772/intechopen.98318>.
- Kementerian Kesehatan RI (2020) *Peraturan Menteri Kesehatan Republik Indonesia Nomor 21 Tahun 2020*.
- Leski, T.A., Taitt, C.R., Swaray, A.G., Bangura, U., Reynolds, N.D., Holtz, A.,

- Yasuda, C., Lahai, J., Lamin, J.M., Baio, V., Jacobsen, K.H., Ansumana, R. and Stenger, D.A. (2020) 'Use of real-time multiplex PCR, malaria rapid diagnostic test and microscopy to investigate the prevalence of *Plasmodium* species among febrile hospital patients in Sierra Leone', *Malaria Journal*, 19(1), pp. 1–8. Available at: <https://doi.org/10.1186/s12936-020-03163-2>.
- Lima, G.F.M.C., Levi, J.E., Geraldi, M.P., Sanchez, M.C.A., Segurado, A.A., Hristov, A.D., Inoue, J., Costa-Nascimento, M. de J. and di Santi, S.M. (2011) 'Malaria diagnosis from pooled blood samples: Comparative analysis of real-time PCR, nested PCR and immunoassay as a platform for the molecular and serological diagnosis of malaria on a large-scale', *Memorias do Instituto Oswaldo Cruz*, 106(6), pp. 691–700. Available at: <https://doi.org/10.1590/S0074-02762011000600008>.
- Lorenz, T.C. (2012) 'Polymerase chain reaction: Basic protocol plus troubleshooting and optimization strategies', *Journal of Visualized Experiments*, (63), pp. 1–15. Available at: <https://doi.org/10.3791/3998>.
- Mangold, K.A., Manson, R.U., Koay, E.S.C., Stephens, L., Regner, M.A., Thomson, R.B., Peterson, L.R. and Kaul, K.L. (2005) 'Real-time PCR for detection and identification of *Plasmodium* spp.', *Journal of Clinical Microbiology*, 43(5), pp. 2435–2440. Available at: <https://doi.org/10.1128/JCM.43.5.2435-2440.2005>.
- Marcus, B. (2009) *Deadly diseases and epidemics: Malaria, Second Edition*.
- Marmioli, N. and Maestri, E. (2007) *Polymerase chain reaction (PCR), Food Toxicants Analysis*. Woodhead Publishing Limited. Available at: <https://doi.org/10.1016/B978-044452843-8/50007-9>.
- Mhamilawa, L.E., Aydin-Schmidt, B., Mmbando, B.P., Ngasala, B. and Morris, U. (2019) 'Detection of *plasmodium falciparum* by light microscopy, loop-mediated isothermal amplification, and polymerase chain reaction on day 3 after initiation of artemether-lumefantrine treatment for uncomplicated malaria in Bagamoyo District, Tanzania: A compar',

- American Journal of Tropical Medicine and Hygiene*, 101(5), pp. 1144–1147. Available at: <https://doi.org/10.4269/ajtmh.19-0298>.
- Mota, M.M. and Rodriguez, A. (2005) *Maria M. Mota · Ana Rodriguez*.
- Muhamad, P., Chaijaroenkul, W., Congpuong, K. and Na-Bangchang, K. (2011) ‘SYBR green i and taqman quantitative real-time polymerase chain reaction methods for the determination of amplification of plasmodium falciparum multidrug resistance-1 gene (PFMDR1)’, *Journal of Parasitology*, 97(5), pp. 939–942. Available at: <https://doi.org/10.1645/GE-2792.1>.
- Nolte, F.S. and Hill, C.E. (2011) *Polymerase Chain Reaction and Other Nucleic Acid Amplification Technology*. Twenty Fou, *Henry’s Clinical Diagnosis and Management by Laboratory Methods*. Twenty Fou. Elsevier. Available at: <https://doi.org/10.1016/b978-1-4377-0974-2.00066-x>.
- P2P, D. (2020) ‘Rencana Aksi Nasional Percepatan Eliminasi Malaria 2020-2024’.
- Panda, B.B., Meher, A.S. and Hazra, R.K. (2019) ‘Comparison between different methods of DNA isolation from dried blood spots for determination of malaria to determine specificity and cost effectiveness’, *Journal of Parasitic Diseases*, 43(3), pp. 337–342. Available at: <https://doi.org/10.1007/s12639-019-01136-0>.
- Perandin, F., Manca, N., Calderaro, A., Piccolo, G., Galati, L., Ricci, L., Medici, M.C., Arcangeletti, M.C., Snounou, G., Dettori, G. and Chezzi, C. (2004) ‘Development of a Real-Time PCR Assay for Detection of *Plasmodium falciparum*, *Plasmodium vivax*, and *Plasmodium ovale* for Routine Clinical Diagnosis’, *Journal of Clinical Microbiology*, 42(3), pp. 1214–1219. Available at: <https://doi.org/10.1128/JCM.42.3.1214-1219.2004>.
- Qiagen (2011) *Gentra Puregene Handbook Third Edition*. Available at: http://epicore.med.cornell.edu/files/Gentra_Puregene_Handbook.pdf.
- Qiagen (2016) *QIAamp DNA Mini and Blood Mini Handbook*, Qiagen.
- Rantala, A.M., Taylor, S.M., Trottman, P.A., Luntamo, M., Mbewe, B., Maleta, K.,

- Kulmala, T., Ashorn, P. and Meshnick, S.R. (2010) ‘Comparison of real-time PCR and microscopy for malaria parasite detection in Malawian pregnant women’, *Malaria Journal*, 9(1), p. 269. Available at: <https://doi.org/10.1186/1475-2875-9-269>.
- Raso, A. and Biassoni, R. (2020) *A Quarter Century of PCR-Applied Techniques and Their Still-Increasing Fields of Use, Methods in molecular biology (Clifton, N.J.)*. Available at: https://doi.org/10.1007/978-1-4939-9833-3_1.
- Roche Diagnostics GmbH (2008) ‘High Pure PCR Template Preparation Kit’, (11), pp. 1–26. Available at: www.roche-applied-science.com.
- Sazed, S.A., Kibria, M.G. and Alam, M.S. (2021) ‘An optimized real-time qpcr method for the effective detection of human malaria infections’, *Diagnostics*, 11(5). Available at: <https://doi.org/10.3390/diagnostics11050736>.
- Shen, C.-H. (2019) *Amplification of Nucleic Acids, Diagnostic Molecular Biology*. Available at: <https://doi.org/10.1016/b978-0-12-802823-0.00009-2>.
- Singh, B., Bobogare, A., Cox-Singh, J., Snounou, G., Abdullah, M.S. and Rahman, H.A. (1999) ‘A genus- and species-specific nested polymerase chain reaction malaria detection assay for epidemiologic studies’, *American Journal of Tropical Medicine and Hygiene*, 60(4), pp. 687–692. Available at: <https://doi.org/10.4269/ajtmh.1999.60.687>.
- Siswosudarmo, R. (2017) ‘Tes diagnostik (Diagnostic test)’, *Jurnal Metodologi Penelitian*, p. 12. Available at: <http://obgin-ugm.com/wp-content/uploads/2017/09/HRS-Kuliah-Tes-Diagnostik.pdf>.
- Snounou, G. and Singh, B. (2002) ‘Nested PCR analysis of Plasmodium parasites.’, *Methods in molecular medicine*, 72, pp. 189–203. Available at: <https://doi.org/10.1385/1-59259-271-6:189>.
- Snounou, G., Viriyakosol, S., Jarra, W., Thaithong, S. and Brown, K.N. (1993) ‘Identification of the four human malaria parasite species in field samples by the polymerase chain reaction and detection of a high prevalence of mixed infections’, *Molecular and Biochemical*

Parasitology, 58(2), pp. 283–292. Available at:
[https://doi.org/10.1016/0166-6851\(93\)90050-8](https://doi.org/10.1016/0166-6851(93)90050-8).

Snounou, G., Viriyakosol, S., Xin Ping Zhu, Jarra, W., Pinheiro, L., do Rosario, V.E., Thaithong, S. and Brown, K.N. (1993) ‘High sensitivity of detection of human malaria parasites by the use of nested polymerase chain reaction’, *Molecular and Biochemical Parasitology*, 61(2), pp. 315–320. Available at: [https://doi.org/10.1016/0166-6851\(93\)90077-B](https://doi.org/10.1016/0166-6851(93)90077-B).

Tooy, D.C., Bernadus, J.B. and Sorisi, A. (2016) ‘Deteksi Plasmodium falciparum dengan menggunakan metode real-time polymerase chain reaction di daerah Likupang dan Bitung’, *Jurnal e-Biomedik*, 4(1). Available at: <https://doi.org/10.35790/ebm.4.1.2016.11057>.

Veron, V., Simon, S. and Carme, B. (2009) ‘Multiplex real-time PCR detection of P. falciparum, P. vivax and P. malariae in human blood samples’, *Experimental Parasitology*, 121(4), pp. 346–351. Available at: <https://doi.org/10.1016/j.exppara.2008.12.012>.

WHO (2021) *Word Malaria Report 2021, Word Malaria report Geneva: World Health Organization. (2021). Licence: CC.*