

## DAFTAR PUSTAKA

- Adhinata, F.D., Esti S. & Paramasari D. 2016. ‘Identification of Parasite Plasmodium SP. on Thin Blood Smears With Rule-Based Method’. *Jurnal Itsmart*. ISSN : 2301–7201. Vol 5. No 1. hh. 17.
- Antinori. S., Laura G., Laura M. & Mario C. 2012. ‘Biology of Human Malaria Plasmodia Including Plasmodium knowlesi’. *Mediterranean Journal of Hematology and Infectious Diseases*. ISSN 2035-3006. Vol 4.
- Arsin, Andi A. 2012. *Malaria di Indonesia Tinjauan Aspek Epidemiologi*. Makassar: Masagena Press.
- Barragan, Maria Jose L., Mariam Quinones, Kairong Cui, Jacob Lemieux, Keji Zhao, and Xin-zhuan Su1. 2011. ‘Effect of PCR extension temperature on high-throughput sequencing’. *NIH Public Access Author Manuscript*. Vol 176(1): 64–67.
- Bartoloni, A. & Lorenzo Z. 2012. ‘Clinical Aspects of Uncomplicated and Severe Malaria’. *Mediterranean Journal of Hematology and Infectious Diseases*. ISSN 2035-3006. Vol 4. No 1.
- Bio-Rad Laboratories. 2012. *Real-Time PCR Handbook*. Life Technologies Corporation.
- Biolabs. 2015, *PCR Protocol for Taq DNA Polymerase with Standard Taq Buffer (M0273)*. New England Biolabs.
- Blirt. 2016. PCR Optimization and Troubleshooting. Accessed December 29, 2019 <http://dnagdansk.com/media/Downloads/pcr-optimization-and-troubleshooting.pdf>.
- Bogdan, R.C., dan Biklen, S.K. 2001. Qualitative Research. Needham Height, MA: Allyn and Bacon.
- Canier Lidye, Nimol Khim, Saorin Kim, Vincent Sluydts , Somony Heng, Dany Dourng, Ratha Eam, Sophy Chy, Chanra Khean, Kaknika Loch, Malen Ken, Hokkean Lim, Sovannaroath Siv, Sochantha Tho, Pascal Masse- Navette, Charlotte Gryseels, Sambunny Uk, Karel Van Roey, Koen Peeters Grietens, Mao Sokny, Boukheng Thavrin, Char Meng Chuor, Vincent Deubel, Lies Duriez , Marc Coosemans and Didier Menard. 2012. ‘An innovative tool for moving malaria PCR detection of parasite reservoir into the field’. *Malaria Journal*. Vol. 12. No. 405.

- CDC. 2013. *Comparison of the Plasmodium Species Which Cause Human Malaria*. U.S. Department of Health & Human Services. Accessed December 30, 2019.  
[https://www.cdc.gov/dpdx/resources/pdf/benchmarks/malaria/malaria\\_comparison\\_p1-2.pdf](https://www.cdc.gov/dpdx/resources/pdf/benchmarks/malaria/malaria_comparison_p1-2.pdf).
- CDC. 2018. *Malaria*. U.S. Department of Health & Human Services. Accessed Maret 04, 2020. <https://www.cdc.gov/malaria/about/biology/index.html>
- Debode. Frederic, Aline Marien, Eric Janssen, Claude Bragard, Gilbert Berben. 2017. ‘The influence of amplicon length on real-time PCR results’. *Biotechnol Agron Soc Environ*. Vol. 21 No.1.
- Dorak, M.T. 2006. *Real Time PCR*. Taylor & Francis Group. ISBN 0-203-96731-3
- Esco. 2013. *Spectrum 48 Real Time Cycler*. Singapore.
- Fatchiyah, Sri W., Estri L.A. & Sofi P. 2012. *Buku Praktikum Teknik Analisis Biologi Molekuler*. Laboratorium Biologi Molekuler dan Seluler Jurusan Biologi Fakultas MIPA. Universitas Brawijaya.
- Fitriany, J., Ahmad Sabiq. 2018. ‘Malaria’. *Jurnal Averrous*. Vol.4 No.2.
- Gatton, Michelle L., Jennifer M. Peters, Karryn Gresty, Elizabeth V. Fowler, Nanhua Chen, and Qin Cheng. 2006. ‘Detection Sensitivity and Quantitation of *Plasmodium falciparum* Var Gene Transcripts by Real-Time RT-PCR in Comparison with Conventional RT-PCR’. *The American Society of Tropical Medicine and Hygiene*. Vol 75 (2). hh 212-218.
- Geleta, G. and Tsige K. 2016. ‘Severe Malaria Associated with Plasmodium falciparum and P. vivax among Children in Pawe Hospital, Northwest Ethiopia’. *Malaria Research and Treatment*.
- Grabias, B., Edward E., Isabella A.Q. & Sanjai K. 2019. ‘Sensitive Real-Time PCR Detection of Plasmodium falciparum Parasites in Whole Blood by Erythrocyte Membrane Protein 1 Gene Amplification’. *Malaria Journal*.
- Gupta, Nalini. 2019. ‘DNA Extraction and Polymerase Chain Reaction’. *Journal of Cytology*. Vol 36(2). hh 116-117.
- Haanshuus, Christel Gill, Kristine Mørch, Bjorn Blomberg, Gro Elizabeth Ann Strom, Nina Langeland, Kurt Hanevik, and Stein Christian Mohn. 2019. ‘Assessment of malaria real-time PCR methods and application with focus on lowlevel parasitaemia’. *PLoS One*. Vol. 14. No.7.

- Handoyo, D and Ari R. 2001. ‘Prinsip Umum Dan Pelaksanaan Polymerase Chain Reaction (PCR)’. Vol 9. No 1.
- Herdiansyah, Haris. 2011. *Metodologi Penelitian Kualitatif untuk Ilmu-Ilmu Sosial*. Jakarta: Salemba Humanika.
- Herman, R., Endah A., Ervi S., Delima & Emiliana T. 2011. ‘Deteksi dan Spesiasi Parasit Malaria Sampel Monitoring Pengobatan Dihydroartemisininpiperaquine di Kalimantan dan Sulawesi: Mikroskopis vs Polymerase Chain Reaction’. *Media Litbang Kesehatan*. Vol 21 No 3.
- Igweh JC. 2012. Biology of malaria parasites. Dalam. Okwa O. Malaria parasites. Kroasia: InTech.
- Joko, Tri, Nanda Kusumandari, dan Sedyo Hartono. 2011. ‘Optimasi Metode PCR Untuk Deteksi *Pectobacterium carotovorum*, Penyebab Penyakit Busuk Lunak Anggrek’. *Jurnal Perlindungan Tanaman Indonesia*. Vol. 17, No. 2. hh 54–59.
- Kementerian Kesehatan RI. 2016. *Malaria*. Jakarta: Kementerian Kesehatan RI.
- Kementerian Kesehatan RI. 2018. *Info Datin Malaria*. Jakarta: Kementerian Kesehatan RI.
- Kementerian Kesehatan RI. 2018. *Pedoman Teknis Pemeriksaan Parasit Malaria*. Jakarta: Kementerian Kesehatan RI.
- Laishram, D.D., Patrick I.S., Nutan N., Vijay I.S., Ranbir C.S., Jane M.C. & hema J. 2012. ‘The Complexities of Malaria Disease Manifestations with a Focus on Asymptomatic Malaria’. *Malaria Journal*.
- Lotfis, A.D., Will K Reeves. 2014. *Principles of Real-Time PCR*. USAF School of Aerospace Medicine. Ohio. USA.
- Mharakurwa, Sungano, Rachel Daniels, Alan Scott, Dyann F Wirth, Philip Thuma and Sarah K Volkman. ‘Pre-amplification methods for tracking low-grade Plasmodium falciparum populations during scaled-up interventions in Southern Zambia’ *Malaria Journal*. Vol. 13 No.89
- Navarro, E., G. Serrano-Heras, M.J. Castaño, J. Solera. 2015. ‘Real-Time PCR Detection Chemistry’. *Clinica Chimica Acta*. h 231-250.
- NCBI. *Nucleotide Sequence*. U.S. National Library of Medicine. Accessed February 28, 2020.
- Nolan, T. 2014. *A Technical Guide PCR Technologies*. Sigma Aldrich.

- Oyola, Samuel O., Cristina V. Ariani1, William L. Hamilton1, Mihir Kekre, Lucas N. Amenga-Etego, Anita Ghansah, Gavin G. Rutledge, Seth Redmond, Magnus Manske, Dushyanth Jyothi, Chris G. Jacob, Thomas D. Otto, Kirk Rockett, Chris I. Newbold, Matthew Berriman and Dominic P. Kwiatkowski. 2016. ‘Whole genome sequencing of Plasmodium falciparum from dried blood spots using selective whole genome amplification’. *Malaria Journal*. Vol. 15. No. 597.
- Perandin, F., N. Manca, A. Calderaro, G. Piccolo, L. Galati, L. Ricci, M. C. Medici, M. C. Arcangeletti, G. Snounou, G. Dettori, and C. Chezzi. 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*. Vol. 42, No. 3. h 1214–1219
- Pestana, Ericka A., Sandor Belak, Adama Diallo, John R. Crowther, and Gerrit J. Viljoen. 2010. *Early, Rapid and Sensitive Veterinary Molecular*. London New York: Springer.
- Primer Digital. 2017. *General Guidelines for PCR Optimization*. Available at: <https://primerdigital.com/pcr.html>.
- Promega. 2012. *Wizard genomic DNA purification kit*. Promega Corp, USA: 21 hlm.
- Prof. Dr. H. Mudjia Rahardjo, M. (2011). Metode Pengumpulan Data Penelitian Kualitatif. mudjiarahardjo.uin-malang.ac.id.
- Rahman, M.T., M.S. Uddin, R. Sultana, A. Moue & M. Seto. 2013. ‘Polymerase Chain Reaction (Pcr): A Short Review’. *Review Article*. Vol 4. No 1.
- Sharma, Supriya, Riti Mann, Sandeep Kumar, Neelima Mishra, Bina Srivastava, Neena Valecha, and Anupkumar R. Anvikar. 2019. ‘A Simple And Cost-Effective Freeze-Thaw Based Method For Plasmodium Dna Extraction From Dried Blood Spot’. *Iranian Society Of Parasitology*. Vol. 14. No. 1. Pp.29-40
- Siahaan, L. 2018. ‘Laboratory Diagnostics Of Malaria’. *IOP Conference Series: Earth and Environmental Science*. ISSN 1755-1315. Vol 125. No 1.
- Snounou, G., Suganya V., Xin Ping Zhu, William J., Lucillia V., Virgilio E., Sodsri T. & K. Niel Brown. 1993. ‘High Sensitivity of Detection of Human Malaria Parasites by The Use of Nested Polymerase Chain Reaction’. *Molecular and Biochemical Parasitology*. ISSN 315-320.
- Soedarto. 2011. *Malaria*. Jakarta: Sugeng Seto.

- Sulistyaningsih, E. 2007. ‘Polymerase Chain Reaction (PCR): Era Baru Diagnosis dan Manajemen Penyakit Infeksi’, *Jurnal Biomedis*. Vol 1. No. 1. Hal 17-25.
- Su, Xin-Zhuan, Yimin Wu, C. David Sifri and Thomas E. Wellem. 1996. ‘Reduced extension temperatures required for PCR amplification of extremely A+T-rich DNA’. *Journal Nucleic Acids Research*. Vol. 24. No. 8. Oxford University Press.
- Tangpukdee, N., Chatnapa D., Polrat W. & Srivicha K. 2009. Malaria Diagnosis A Brief Review. *Korean Journal Parasitol*. ISSN 93-102. Vol 47. No 2.
- Taylor, Steve M., Jonathan J. Juliano, Paul A. Trottman, Jennifer B. Griffin, Sarah H. Landis, Paluku Kitsa, Antoinette K. Tshefu, and Steven R. Meshnick. 2010. ‘High-Throughput Pooling and Real-Time PCR-Based Strategy for Malaria Detection’. *Journal of Clinical Microbiology*. Vol. 48, No. 2. h 512–519.
- Thermofisher. 2016. *PCR Cycling Parameters-Six Key Considerations for Success*. Accessed January 18, 2020.  
<https://www.thermofisher.com/id/en/home/life-science/cloning/cloning-learning-center/invitrogen-school-of-molecular-biology/pcr-education/pcr-reagents-enzymes/pcr-cycling-considerations.html#iDenaturation>.
- Thermofisher Scientific (2016) *PCR Cycling Parameters-Six Key Considerations for Success*, Thermofisher Scientific. Available at:  
<https://www.thermofisher.com/id/en/home/life-science/cloning/cloning-learning-center/invitrogen-school-of-molecular-biology/pcr-education/pcr-reagents-enzymes/pcr-cycling-considerations.html#Annealing>.
- Uslan , Made Pharmawati. 2015. ‘Optimasi Konsentrasi DNA dan MgCl<sub>2</sub> pada Reaksi Polymerase Chain Reaction-Random Amplified Polymorphic DNA untuk Analisis Keragaman Genetik Tanaman Faloak (*Sterculia quadrifida* R.Br)’. *Jurnal Bioslogos*. Vol. 5. No. 1.
- World Health Organization. 2019. *World Malaria Report*. Geneva: WHO.
- Yusuf, Zuhriana K. 2010. *Polymerase Chain Reaction (PCR)*. Gorontalo: Universitas Negeri Gorontalo. Vol 5, No 6.
- Zein, M. Syamsul Arifin and Dewi Malia P. 2013. *DNA Barcode Fauna Indonesia*. Kencana: Jakarta. ISBN 978-602-7985-26-1.