

- Antinori, S., Galimberti, L., Milazzo, L. & Corbellino, M. 2012. Biology of Human Malaria Plasmodia Including *Plasmodium knowlesi*. *Mediterr J Hematol Infect Dis*. 4(1): e2012013.
- Barber, B. E., William, T., Grigg, M. J., Yeo, T. W. & Anstey, N. M. 2013. Limitations of microscopy to differentiate *Plasmodium* species in a region co-endemic for *Plasmodium falciparum*, *Plasmodium vivax* and *Plasmodium knowlesi*. *Malar J*. 12(1): 8.
- Bartoloni, A. & L. Zammarchi. 2012. Clinical Aspects of Uncomplicated and Severe Malaria. *Mediterr J Hematol Infect Dis*. 4(1): e2012026.
- BPS Kab. Ketapang, 2012. Kabupaten Ketapang Dalam Angka 2011. Badan Pusat Statistik Kabupaten Ketapang.
- Coleman, R. E., Sattabongkot, J., Promstaporm, S., Maneechai, N., Tippayachai, B., Kengluetcha, A., *et al.* 2006. Comparison of PCR and microscopy for the detection of asymptomatic malaria in a *Plasmodium falciparum/vivax* endemic area in Thailand. *Malar J*. 5(1): 121.
- Collins, W. E. 2012. *Plasmodium knowlesi*: a malaria parasite of monkeys and humans. *Annu Rev Entomol*. 57(1): 107.
- Cox-Singh, J., Davis, T. M. E., Lee, K., Shamsul, S. S. G., Matusop, A., Ratnam, S., *et al.* 2008. *Plasmodium knowlesi* malaria in humans is widely distributed and potentially life-threatening. *Clin Infect Dis*. 46(2): 165.
- Cox-Singh, J. & Singh, B. 2008. Knowlesi malaria: newly emergent and of public health importance? *Trends Parasitol*, 24, 406-10.
- Daneshvar, C., Davis, T. M. E., Cox-Singh, J., Rafa'ee, M. Z., Zakaria, S. K., Divis, P. C. S. & Singh, B. 2009. Clinical and Laboratory Features of Human *Plasmodium knowlesi* Infection. *Clin Infect Dis*. 49(6): 852.
- Departemen Kesehatan RI, 2008. Pedoman Penatalaksanaan Kasus Malaria di Indonesia. DirJen. Pengendalian Penyakit dan Penyehatan Lingkungan.
- Dinas Kesehatan Kabupaten Ketapang, 2012. Laporan Penemuan dan Pengobatan Penderita Malaria 2011.



- Dinas Kesehatan Provinsi Kalimantan Barat, 2012. Profil Kesehatan Provinsi Kalimantan Barat 2007-2011.
- Elyazar, I. R., Hay, S. I. & Baird, J. K. 2011. Malaria distribution, prevalence, drug resistance and control in Indonesia. *Adv Parasitol.* 74(1): 41.
- Erdman, L.K. & K.C. Kain. 2008. Molecular diagnostic and surveillance tools for global malaria control. *Travel medicine and infectious disease.* 6(1): 82.
- Figtree, M., Lee, R., Bain, L., Kennedy, T., Mackertich, S. & Urban, M. 2010. *Plasmodium knowlesi* in human, Indonesian Borneo. *Emerg Infect Dis.* 16(4): 672.
- Gordis, L. 2009. Epidemiology. 4th ed. Saunders Elsevier: Philadelphia.
- Haanshuus, C. G., Mohn, S. C., Morch, K., Langeland, N., Blomberg, B. & Havenik, K. 2013. A novel, single-amplification PCR targeting mitochondrial genome highly sensitive and specific in diagnosing malaria among returned travellers in Bergen, Norway. *Malar J*, 12, 26.
- Hawkes, M. & K. C. Kain .2007. Advances in malaria diagnosis. *Expert Rev. Anti Infect. Ther.* 5(3): 485-495.
- Hoffman, S. L., Subramanian, G. M., Collins, F. H. & Venter, J. G. 2002. *Plasmodium*, human and Anopheles genomics and malaria. *Nature.* 415(6872): 702.
- Imwong, M., Tanomsing, N., Pukrittayakamee, S., Day, N. P., White, N. J. & Snounou, G. 2009. Spurious amplification of a *Plasmodium vivax* small-subunit RNA gene by use of primers currently used to detect *P. knowlesi*. *J Clin Microbiol.* 47(12): 4173.
- Kantor Lingkungan Hidup Kab. Ketapang, 2013. Status Lingkungan Hidup Daerah Kabupaten Ketapang tahun 2013.
- Kementerian Kesehatan Republik Indonesia, 2012. Profil Kesehatan Indonesia 2011.
- Kementerian Kesehatan Republik Indonesia, 2011. Atlas vektor penyakit di Indonesia. Seri ke-1. Balai Besar Penelitian dan Pengembangan Vektor dan Reservoir Penyakit. Balibangkes, RI.
- Lemeshow, S., Hosmer, D.W., Klar, J., Lwan, S.K. 1997. Besar Sampel Dalam Penelitian Kesehatan. Diterjemahkan oleh: Dibyso Pramono. Gadjah Mada University Press: Yogyakarta.
- Lindblade, K. A., Steinhardt, L., Samuels, A., Kachur, S. P. & Slutsker, L. 2013. The silent threat: asymptomatic parasitemia and malaria transmission. *Expert Rev Anti Infect Ther*, 11, 623-39.



Identifikasi Spesies Plasmodium Pada Penderita Malaria di Kabupaten Ketapang, Kalimantan Barat Dengan Metode Nested PCR

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Lucchi, N.W., Poofak, M., Oberstaller, J., DeBarry, J., Srinivasamoorthy, G., Goldman, I., *et al.* 2012. A New Single-Step PCR Assay for the Detection of the Zoonotic Malaria Parasite *Plasmodium knowlesi*. *PLoS ONE*. 7(2): e31848.

Lucchi, N.W., Oberstaller, J., Kissinger, J.C., Udhayakumar, V. 2013. Malaria diagnostics and surveillance in the post-genomic era. *Public health genomics*. 16(1): 37-43.

Lee, K-S., Cox-Singh, J., Brooke, G., Matusop, A., Singh, B. 2009. *Plasmodium knowlesi* from archival blood films: Further evidence that human infections are widely distributed and not newly emergent in Malaysian Borneo. *Int J Par*. 39(10): 1125.

Sabbatani, S., Fiorino, S. & Manfredi, R. 2010. The emerging of the fifth malaria parasite (*Plasmodium knowlesi*). A public health concern? *Braz J Infect Dis*. 14(3): 299.

Sermwittayawong, N., Singh, B., Nishibuchi, M., Sawangjaroen, N. & Vuddhakul, V. 2012. Human *Plasmodium knowlesi* infection in Ranong province, southwestern border of Thailand. *Malar J*. 11(1): 36.

Servonnet, A., Rapp, C., Delacour, H., Bigaillon, C., Pilo, J. E. & Merens, A. 2012. *Plasmodium knowlesi*: an emerging species in humans?. *Med Sante Trop*, 22, 417-21.

Singh, B., Bobogare, A., Cox-Singh, J., Snounou, G., Abdullah, M. S. & Rahman, H. A. 1999. A genus- and species-specific nested polymerase chain reaction malaria detection assay for epidemiologic studies. *Am J Trop Med Hyg*. 60(4): 687.

Singh, B., Kim Sung, L., Matusop, A., Radhakrishnan, A., Shamsul, S. S., Cox-Singh, J., *et al.* 2004. A large focus of naturally acquired *Plasmodium knowlesi* infections in human beings. *Lancet*. 363(9414): 1017.

Sulistyaningsih, E., Fitri, L. E., Löscher, T. & Berens-Rihaet, N., 2010. Diagnostic Difficulties with *Plasmodium knowlesi* Infection in Humans. *Emerg Infect Dis*. 16(6): 1033.

Traub, R. J., Monis, P. T. & Robertson, I. D. 2005. Molecular epidemiology: A multidisciplinary approach to understanding parasitic zoonoses. *International Journal for Parasitology*. 35(1): 1295.

Verhulst, N. O., Smallegange, R. C. & Takken, W. 2012. Mosquitoes as Potential Bridge Vectors of Malaria Parasites from Non-Human Primates to Humans. *Frontiers in Physiology*. 3(197): 1.

Vythilingam, I., NoorAzian, Y. M., Huat, T. C., Jiram, A. I., Yusri, Y. M., Azahari, A. H., *et al.* 2008. *Plasmodium knowlesi* in humans, macaques and mosquitoes in peninsular Malaysia. *Parasites & Vectors*. 1(1): 26.

Waters, A.P. & McCuthan, T.F. 1990. Ribosomal RNA: nature's own polymerase-amplified target for diagnosis. *Parasitology today*. 6(2): 56.

White, N. J. 2008a. *Plasmodium knowlesi*: The Fifth Human Malaria Parasite. *Clin Infect Dis*. 46(2): 172.



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White, N. J. 2008b. Manson's Tropical Disease. 22nd. Edited by G. C. Cook and A. I. Zumla. Saunders Elsevier. p. 1201.

William, T., Rahman, H. A., Jelip, J., Ibrahim, M. Y., Menon, J., Grigg, M. J., *et al.* 2013. Increasing incidence of *Plasmodium knowlesi* malaria following control of *P. falciparum* and *P. vivax* Malaria in Sabah, Malaysia. *PLoS Negl Trop Dis.* 7(1): e2026.

World Health Organization. 2010a. Guidelines for the treatment of malaria. 2nd ed. WHO Press: Geneva.

World Health Organization. 2010b. Basic Malaria Microscopy: Part I. Learner's Guide. 2nd ed. WHO Press: Geneva.

World Health Organization. 2011. WHO World Malaria Report 2011.