

## DAFTAR PUSTAKA

- Agbo, E.C., Majiwa, P.A., Claasen, E.J., Ross, M.H. 2001. Measure of molecular diversity within the *Trypanosoma brucei* subspecies *Trypanosoma brucei brucei* and *Trypanosoma brucei gambiense* as revealed by genotypic characterization. *Exp Parasitol.* 99:123-131.
- Areekit, S., Singhapphan, P., Kanjanavas, P., Kunchareontwon, S., Sriyapai, T., Pakpitcharoen, A., Chansiri, K. 2008. Genetic Diversity of *Trypanosoma evansi* in Beef Cattle Based on Internal Transcribed Spacer Region. *Infection, Genetic and Evolution.* 8:484-488.
- Aydin, S. 2015. A short history, principles, and types of ELISA, and our laboratory experience with peptide/protein analyses using ELISA. *Peptides* 72 (2015) : 4-15.
- Alanazi, A.D., Puschendorf, R., Salim, B., Alyousif, M.S., Alanazi, I.O dan Alshehri, H.R. 2018. Molecular Detection of equine Trypanosomiasis in The Riyadh Province of Saudi Arabia. *Jornal of Veterinary Diagnostic Investigation* (2018) : 1-4.
- Bajyana, S.E., dan Hamers, R., 1988. A Card Agglutination Test (CATT) for Veterinary Use Based on an Early VAT RoTat 1.2 of *Trypanosoma evansi*. *Ann. Soc. Belg. Med. Trop.* 68: 233-240.
- Batan, I.W. 2018. Penyakit Surra pada Sapi dan Sapi Bali di Indonesia. Denpasar: Universitas Udayana.
- Beltrame-Botelho, I.T., Gaspar Silva, D., Steindel, M., Davilla, A.M.R., Grisard, E.C. 2005. *Internal Spacer Transcribed Spacers (ITS) Trypanosoma rangeli* Ribosomal (rDNA): a useful marker for inter-specific differentiation. *Infection, Genetic, Evolution*, 5:17-28.
- Dargantes, A.P., Reid, A.P., dan Copeman, D.B., 2005. Experimental *Trypanosoma evansi* Infection in the Goat I Clinical Signs dan Clinical Pathology. *J. Comp. Path.* 133: 261-266.
- Davidson, H.C, Thrustfield, M.V, Husein, A, Muharsini, S, Partoutomo, S, Rae, P dan Luckins, G. 2000. The occurrence of *Trypanosoma evansi* in buffaloes in Indonesia, estimated using various diagnostic test. *Epidemiol. Infect.* 124:163-172.
- Dirkeswan, 2014. *Manual Penyakit Hewan Mamalia*. Direktorat Kesehatan Hewan, Direktorat Jenderal Peternakan dan Kesehatan Hewan, Kementerian Pertanian. Cetakan ke-2. 440-449.

- [DITKESWAN] Direktorat Kesehatan Hewan, 2018a, “*Peta Status dan Situasi Penyakit Hewan 2018*”, Direktorat Jendral Peternakan dan Kesehatan Hewan Kementerian Pertanian RI Tahun 2019, Jakarta.
- Desquesnes, M. dan Dia, M.L. 2013. *Trypanosoma vivax*: mechanical transmission in cattle by one of the most common African tabanids, *Atylotus agrestis*. *Experimental parasitology*, 103(1–2): 35–43. Desquesnes *et al.*, 2013.
- Desquesnes, M., Dargantes, A., Lai, D., Lun, Z., Holzmuller, P., Jittapalpong, S. 2013a. *Trypanosoma evansi* and Surra: a review and perspectives on transmission, epidemiology and control, impact and zoonotic aspects. *Biomed Res Int*.1-20.
- Desquesnes, M., Holzmuller, P., Lai, D., Dargantes, A., Lun, Z., and Jittapalpong, S. 2013b. *Trypanosoma evansi* and Surra: A Review and Perspectives on Origin, History, Distribution, Taxonomy, Morphology, Hosts, and Pathogenic Effects. *Bio Med Research International*, 1-22.
- Desquesnes, M. 2004. Livestock trypanosomoses and their vectors in Latin America. 2004, CIRAD-EMVT publication, OIE, Paris, France, ISBN 92-9044-634-X. 174.
- Dharyamanti, I.N.L.P. 2011. Filogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *Wartazoa* 1(21): 1-10.
- Ekawasti, F., Yuniarto, I., Sulinawati, S. & Subekti, D.T. 2018. Profil Protein *Trypanosoma evansi* dari Daerah Geografis Berbeda di Indonesia Tahun 2012-2014 dengan Sodium Dodecil Sulphate Polyacrylamide Gel Electrophoresis. *Jurnal Veteriner*, 18(4): 526–534. Eyob dan Matios, 2013.
- El-Sayed, N.M., Hegde, P., Quackenbush, J., Melville, S.E. & Donelson, J.E. 2000. The African trypanosome genome. *International journal for parasitology*, 30(4): 329–345.
- Gott, J.M. & Emeson, R.B. 2000. Functions and mechanisms of RNA editing. *Annual review of genetics*, 34(1): 499–531.
- Hall, B.G. 2001. *Phylogenetic Trees Made Easy: A How - To Manual for Molecular Biologists*. Sinauer Associates, Inc. Sunderland, Massachusetts, USA.
- Handoyo, D dan Rudiretna, A. 2000. *Prinsip Umum dan Pelaksanaan PCR*. Unitas 9:17-29.

- Herrera, B., Alvarez, A.M., Sanchez, A., Fernandez, M., Roncero, C., Benito, M., Fabregat, I. 2001. Reactive oxygen species (ROS) mediates the mitochondrial-dependent apoptosis induced by transforming growth factor (beta) in fetal hepatocytes. *F.A.S.E.B* 15, 741–751.
- Hidayat, T. and Adi, P. 2008. Kajian Filogenetika Molekuler dan Peranannya dalam Menyediakan Informasi Dasar untuk Meningkatkan Kualitas Sumber Genetik Anggrek. *Jurnal AgroBiogen* 4 (1) : 35-40.
- Hillis, D.M. and Bull, J.J. 1993. An empirical test of bootstrapping as a method for assessing confidence in phylogenetic analyses. *Syst. Biol.* 42, 182–192.
- Hunt, R.C. 2010. Molecular parasitology: trypanosomes eucaryotic cells with a different way of doing things. *Microbio. Immunol. on line*.
- Hoare, C.A., 1972. *The Trypanosomes of Mammals: A Zoological Monograph*. Blackwell Scientific Publications. Oxford, UK.555-592.
- Keputusan Menteri Pertanian Nomor 3238 tahun 2009 tentang Penggolongan Jenis-jenis Hama Penyakit Hewan Karantina, Penggolongan dan Klasifikasi Media Pembawa. 2009.
- Keputusan Menteri Pertanian No.4026/Kpts/OT.140/3/2013 tentang Penetapan Jenis Penyakit Hewan Menular Strategis. 2013
- Levine, N.D. 1985. *Veterinary protozoology*. Iowa State University Press Ames Medina, N.P.
- Lun, Z.R dan Desser, S.S. 1995. Is the broad range of hosts and geographical distribution of *Trypanosoma evansi* attributable to the loss of maxicicle kinetoplast DNA. *Parasitology Today*. 11(4):131-133.
- Losos, G.J. 1986. *Infectious tropical diseases of domestic animals*. Longman Scientific & Technical.
- Martin, S.W., Meek, A., dan Willeberg, P. 1987. *Veterinary Epydemiology*. Iowa State University Press: Ames, Iowa.
- Maudlin. I., Holmes, P.H. & Miles, M.A. 2004. *The Trypanosomiasis*. CAB Internasional.
- McPherson, M. dan Møller, S. 2007. *PCR*. Taylor & Francis.
- Mingala, dan Minggala, C.N..2016. Transporter Protein and Drug Resistance of *Trypanosoma*. *Annals of Parasitology* 62 (1), 11-15

- Monzón, C.M., Mancebo, O.A. dan Roux, J.P. 1990. Comparison between six parasitological methods for diagnosis of *Trypanosoma evansi* in the subtropical area of Argentina. *veterinary Parasitology*, 36(1–2): 141–146.
- Morrison, W.I., Murray, M., Sayer, P.D. & Preston, J.M. 1981. The pathogenesis of experimentally induced *Trypanosoma brucei* infection in the dog. I. Tissue and organ damage. *The American journal of pathology*, 102(2): 168.
- Nantulya, V.M. Trypanosomiasis in domestic animals: the problem of diagnosis. *Rev Sci Tech OIE (Off Int Epizoot)*. 1990; 9: 357-67.
- Nantulya, V.M. 1994. Suratex: a simple latex agglutination antigen test for diagnosis of *Trypanosoma evansi* infections (Surra). *Tropical medicine and parasitology: official organ of Deutsche Tropenmedizinische Gesellschaft and of Deutsche Gesellschaft fur Technische Zusammenarbeit (GTZ)*, 45(1): 9–12.
- Ngaira, J.M., Olembo N.K., dan Njagi E.N.M. 2005. The detection of non-RoTat 1.2 *Trypanosoma evansi*. *Exp Parasitol* 110:30-38.
- Njiru, Z.K., Constantine, C.C., Ndung'u, J.M., Robertson, I., Okaye, S., Thompson, R.C.A. dan Reid, S.A. 2004. Detection of *Trypanosoma evansi* in camels using PCR and CATT/T. *evansi* tests in Kenya. *Veterinary parasitology*, 124(3-4): 187–199.
- Nurcahyo, R.W. 2013. Occurrence Trypanosomiasis in Indonesia. In *Workshop on Biting flies and Trypanosome*. Ipoh, Malaysia: 1–35.
- Nurcahyo, R.W. 2014. *Trypanosomiasis pada Ternak di Indonesia*. Makalah pada acara Diskusi panel Surra. Badan Penelitian dan Pengembangan Pertanian. Kementerian Pertanian RI, Jakarta.1-27. Office International des Epizooties. 2008. OIE Terrestrial Manual. 352-360.
- Nurcahyo, R.W. 2017. *Penyakit Surra Pada Hewan dan Ternak*. 1st ed. J. Prastowo, ed. Samudra Biru Press: Yogyakarta.
- Nurcahyo, R.W., Yowi, M.R.K., Hartati, S. dan Prastowo, J. 2019. The prevalensi of horse trypanosomiasis in Sumba Island, Indonesia and its detection using card agglutination tests. *Vet. World* : 12 (4) : 646 – 654.
- [OIE] Office International des Epizooties. 2012. *Trypanosoma evansi Infection (Surra)*. OIE Terrestrial Manual 2012, Chapter 2.1.17. Paris (France): Office International des Epizooties. 1-15.

- Paim, E.C., Duarte, M.M.M.F., dan Costa, M.M. 2011. Cytokines in Rats Experimentally Infected with *Trypanosoma evansi*. *Experimental Parasitology*. 128 (4): 365-370.
- Parashar, R., Singla, L., dan Kaur, P. 2016. Is Atypical Human Trypanosomosis an Emerging Threat to Human Society: A Debatable one Health Issue to Public Health Experts and Parasitologists. *IJSR*.
- Partoutomo, S., Soleh, M., dan Politedy, F. 1994. The epidemiology of *Trypanosoma evansi* and *Trypanosoma theileri* in cattle and buffalo in smallholder farm in Java. *Penyakit Hewan* 1994; 26: 41-6.
- Partoutomo, S., Soleh, M., Poltedy, F., Day, A., Wilson, A.J., dan Copeman, D.B., 1995. Studi patogenesis *Trypanosoma evansi* pada kerbau, sapi Friesian Holstein dan sapi Peranakan Ongole. *Jurnal Ilmu Ternak dan Veteriner*. 1 (1): 41-48.
- Partoutomo, S. 1996. *Trypanosomiasis caused by Trypanosoma evansi "Surra" in Indonesia* (Prosiding) Seminar Teknik Diagnostik untuk *Trypanosoma evansi* di Indonesia. Balitvet, Bogor. 1-9
- Partoutomo, S., Luckins, A. G., Husein, A., Thrusfield, M. V., Rae, P., Muharsini, S., and Davison, H. C. 2002. The occurrence of *Trypanosoma evansi* in buffaloes in Indonesia, estimated using various diagnostic tests. *Epidemiology and Infection*, 124(1), 163–172.
- Payne, R.C., Sukanto, I.P., Djauhari, D., Partoutomo, S., Wilson, A.J., Jones, T.W., Boid, R. & Luckins, A.G. 1991. *Trypanosoma evansi* infection in cattle, buffaloes and horses in Indonesia. *Veterinary Parasitology*, 38(2-3): 109–119.
- Peraturan Menteri Pertanian Republik Indonesia Nomor 22/Permentan/OT.140/4/2008 tentang Organisasi dan Tata Kerja Unit Pelaksana Teknis Badan Karantina Pertanian. 2008.
- Peraturan Pemerintah Republik Indonesia Nomor 82 Tahun 2000 tentang Karantina Hewan. 2000.
- Reid, S.A., Husein, A. dan Copeman, D.B. 2001. Evaluation and improvement of parasitological tests for *Trypanosoma evansi* infection. *Veterinary Parasitology*, 102(4): 291–297.
- Sambrook, J., Russel, D. 2001. *Molecular Cloning: A Laboratory Manual*. 3th editio. New York: Cold Spring Harbor Laboratory press.

- Sarkhel, S.P., Gupta, S.K., Kaushik, J., Singh, J., Gaur, K.G., Kumar, S., dan Kumar, R. 2016. Molecular characterization of internal transcribed spacer 1 (ITS 1) region of different Trypanosoma evansi isolates of India. *Journal Parasit Dis.*
- Sawitri, D.H., Wardhana, A.H., Wibowo, H., Sadikin, M. & Ekawasti. F. 2015. Molecular identification technique of *Trypanosoma evansi* by Multiplex Polymerase Chain Reaction. *Indonesian Journal of Animal and Veterinary Sciences*, 20(4):297-307.
- Silva, R.A.M.S. & Davila, A.M.R. 1997. *Proceedings of the first Internet Conference on Salivarian Trypanosomes. Tryplink-L discussion list, 9-14 December 1996.* FAO.
- Sirigireddy Sivajoth., *et al.* 2014. Detection of Trypanosoma Evansi by Different Methods in Bovines in Andhra Pradesh. *The Journal of Advances in Parasitology* 1 (3): 35 – 38.
- Solihat, L. 2002. Proses Pemeriksaan Sampel Penyakit-Parasit Darah di Laboratorium Parasitologi Balivet. *Temu Teknis Fungsional Non Peneliti.*
- Souza, W. 2008. Electron microscopy of trypanosomes: a historical view. *Memórias do Instituto Oswaldo Cruz*, 103(4): 313–325.
- Sumiarto, B dan Budiharta, S. 2018. *Epidemiologi Veteriner Analitik.* 1st ed. Gadjah Mada University Press: Yogyakarta.
- Ubaidillah, R. dan Sutrisno H. 2009. *Pengantar Biosistemik: Teori dan Praktikum.* LIPI Press, Jakarta.
- Undang-undang Republik Indonesia Nomor 21 Tahun 2019 Tentang Karantina Hewan, Ikan dan Tumbuhan.
- Urakawa, T., Verloo, D., Moens, L., Buscher, P., dan Majiwa, P.A.O. 2001. *Trypanosoma evansi: Cloning dan Expression in Spodoptera fugiperda Insect Cells of the Diagnostic Antigen RoTat1.2.* *Exp. Parasitol.* 99:181-189.
- Vanhollebeke, B., Truc, P., Poelvoorde, P., Pays, A., Joshi, P.P., Katti, R., Jannin, J.G., dan Pays, E. 2006. Human Trypanosoma evansi infection linked to a lack of apolipoprotein LI. *New England Journal of Medicine*, 355(26): 2752–2756.
- Van Meirvenne, N., dan Magnus, E., 1992. *Production dan distribution of kits Institute of tropical Medicine laboratory of serology.* Antwerpen, Belgium. 50-52.

Vilklareal, M.V., Minggala, C.N., Rivera, W.L. 2013. Molecular Characterization of *Trypanosoma evansi* isolates from water buffalo (*Bubalus bubalis*) in the Philippines. *Acta Parasitologica* 58:6-12.

Wang, N., Chen, M.R., Capodiferro, T., Zhang, H., Lancion, H. Zhang, Y., Miao, V., Chanthakhoun, M., Wanapat, M., Yindee, Y., Zhang, H., Lu, L., Caporali, R., Dang, Y., Huang, X., Lan, M., Plath, H., Chen, J. A., Lenstra, A., Achilli., dan C. Lei. 2017. Whole mitogenomes reveal the history of swamp buffalo: initially shape by glacial periods and eventually modeled by domestication. *Scientific Reports*. 7: 4708.