

DAFTAR PUSTAKA

- Akhter, N., Lal, C., Gadahi, J.A., Mirbahar, K.B., dan Memon, M.I. 2010. Efficacy of various antiprotozoal drugs on bovine Babesiosis, Anaplasmosis and Thileriosis. *Veterinary World*. 3 (6): 272-274.
- Alberti, A., Zobba, R., Chessa, B., Addis, M., Sparagano, O., Pinna, M., Cubeddu, T., Pintori, G., dan Pittau, M. 2005. Equine and canine *Anaplasma phagocytophilum* strains isolated on the Island of Sardinia (Italy) are phylogenetically related to pathogenic strains from the United States. *Appl. Environ. Microbiol.* (71): 6418-6422.
- Alleman, A.R., Wamsley, H.L., dan Abbott, J. 2007. Experimental *Anaplasma phagocytophilum* infection of dogs by intravenous inoculation of human and canine isolates and treatment with doxycycline. *Vet Pathol.* (44):19.
- Alleman, R., dan Heather, W. 2008. An update on anaplasmosis in dogs. *Vet Med.* 212-220.
- Allison, R.W., dan Little, S.E. 2013. Invited Review: Diagnosis of rickettsial diseases in dogs and cats. *Vet Clin Pathol.* (2013): 1-18.
- Andoh, M., Sakata, A., Takano, A., Kawabata, H., Fujita, H., Une, Y., Goka, K., Kishimoto, T., dan Ando, S. 2015. Detection of Rickettsia and Ehrlichia spp. in Ticks Associated with Exotic Reptiles and Amphibians Imported into Japan. *PLoS ONE*. 10(7): 1-14.
- Anonim, 2018. CVBD-Companion Vector Borne Disease. <http://www.cvbd.com/>, diakses pada tanggal 2 Juli 2018.
- Atif, F.A. 2016. Alpha proteobacteria of genus *Anaplasma* (Rickettsiales: Anaplasmataceae): Epidemiology and characteristics of *Anaplasma* species related to veterinary and public health importance. *Parasitology*, (143): 659-685.
- Beaufils, J.P., Inokuma, H., Martin-Granel, J., Jumelle, Ph., Barbault-Jumelle, M., dan Brouqui, P. 2002. *Anaplasma platys* (*Ehrlichia platys*) infection in a dog in France: description of the case, and characterization of the agent. *Revue Méd. Vét.* 153 (2): 85-90.
- Beugnet, F., dan Marie, J.L. 2009. Emerging arthropod-borne diseases of companion animals in Europe. *Vet Parasitol.* 163:298-305.
- Bonilla, M.C., Campos-Calderon, L., Jemenez-Rocha, A.E., Romero-Zuniga, J.J., Alberti, A., Zobba, R., dan Dolz, G. 2017. Characterization of *Anaplasma* spp. infection in dogs from Costa Rica. *Veterinary Parasitology: Regional Studies and Reports*. 8 (2017): 60-65.
- Carrade, D.D., Foley, J.E., dan Borjesson, D.L. 2009. Canine granulocytic anaplasmosis: A review. *J Vet Intern Med.* (23): 1129-1141.

- Casiraghi, M., Bordenstein, S.R., Baldo, L., Beninati, T., Wernegreen, J.J., Werren, J.H., dan Bandi, C. 2005. Phylogeny of *Wolbachia pipientis* based on *gltA*, *groEL* and *ftsZ* gene sequences: clustering of arthropod and nematode symbionts in the F supergroup, and evidence for further diversity in the *Wolbachia* tree. *Microbiology*. (151): 4015-4022.
- Chomel, B. 2011. Tick-borne infections in dogs-an emerging infectious threat. *Vet Parasitol*. (179): 294-301.
- Dantas-Torres, F., Chomel, B.B., dan Otranto, D. 2012. Ticks and tick-borne diseases: a One Health perspective. *Trends Parasitol*. (28): 437-446.
- Dasch, G.A., Ching, W.M., Kim, P.Y., Pham, H., Stover, C.K., Oaks, E.V., Dobson, M.E., dan Weiss, E. 1990. A structural and immunological comparison of rickettsial HSP60 antigens with those of other species. *Annals of the New York Academy of Sciences*. (590): 352-369.
- Day, M.J. 2011. The immunopathology of canine vector-borne diseases. *Parasit Vectors*. 4:48.
- De Farias-Rotondano, T.E., Paiva de Almeida, A.M., Camboim-Lustosa, E.M., AntasCordeiro, A., Alves-Camboim, E.K., Santos de Azevedo, S., Paes de Andrade, P., dan Almeida de Melo, M. 2012. An assessment of whole blood and fractions by nested PCR as DNA source for diagnosing canine Ehrlichiosis and Anaplasmosis. *Sci. World J*. 1-6.
- De Tommasi, A.S., Baneth, G., Breitschwerdt, E.B., Stanneck, D., Dantas-Torres, F., dan Otranto, D. 2014. *Anaplasma platys* in Bone Marrow Megakaryocytes of Young Dogs. *J Clin Microbiol*. 52 (6): 2231-4.
- Dumler, J.S., Barbet, A.F., Bekker, C.P., Dasch, G.A., Palmer, G.H., Ray, S.C., Rikihisia, Y., Rurangirwa, F.R. 2001. Reorganization of genera in the families Rickettsiaceae and Anaplasmataceae in the order *Rickettsiales*: unification of some species of *Ehrlichia* with *Anaplasma*, *Cowdria* with *Ehrlichia* and *Ehrlichia* with *Neorickettsia*, descriptions of six new species combinations and designation of *Ehrlichia equi* and 'HGE agent' as subjective synonyms of *Ehrlichia phagocytophila*. *International Journal of Systematic and Evolutionary Microbiology*. 51: 2145-2165.
- Dumler, J.S., dan Brouqui, P. 2004. Molecular diagnosis of human granulocytic anaplasmosis. *Expert Rev Mol Diagn*. 4 (4): 559-569.
- Dyachenko, V., Pantchev, N., Balzer, H.J., Meyersen, A., dan Straubinger, R.K. 2012. First case of *Anaplasma platys* infection in a dog from Croatia. *Parasit Vectors*. (5): 49.
- Eberts, M.D., Vissotto de Paiva Diniz, P.P., Beall, M.J., Stillman, B.A., Chandrashekar, R., dan Breitschwerdt, E.B. 2011. Typical and atypical manifestations of *Anaplasma phagocytophilum* infection in dogs. *J Am Anim Hosp Assoc*. 47 (6): 86-94.

- Egenvall, A., Lilliehook, I., Bjoersdorff, A., Engvall, E.O., Karlstam, E., dan Artursson, K. 2000. Detection of granulocytic Ehrlichia species DNA by PCR in persistently infected dogs. *Vet Rec.* 146 (7): 186-190.
- Ettinger, S., dan Feldman, E., 2010. *Textbook of Veterinary Internal Medicine Expert Consult, seventh ed.* Elsevier, Missouri, USA.
- Foley, J.E., dan Biberstein, E.L. 2004. Anaplasmataceae. Di dalam: Walker, L.R., editor. *Veterinary Microbiology.* Blackwell Pub., California. Foreyt, W.J. 2001. *Veterinary Parasitology Reference Manual 5th Edition.* Iowa State Press, Iowa.
- Gaunt, S.D., Baker, D.C., dan Babin, S.S. 1990. Platelet aggregation studies in dogs with acute Ehrlichia platys infection. *Am J Vet Res.* 51 (2): 290-293.
- Granick, J.L., Armstrong, P.J., dan Bender, J.B. 2009. Anaplasma phagocytophilum infection in dogs: 34 cases (2000-2007). *JAVMA.* 234 (12): 1559-1565.
- Greene, C. 2012. *Infectious Diseases of the Dog and Cat. fourth ed.* Elsevier, USA.
- Greiman, S.E., Tkach, V.V., Pulis, E., Fayton, T.J., Curran, S.S. 2014. Large Scale Screening of Digeneans for *Neorickettsia Endosymbionts* Using Real-Time PCR Reveals New *Neorickettsia* Genotypes, Host Associations and Geographic Records. *Novel Neorickettsia Genotype and Host Associations*, 9(6): 1-9.
- Gubler, D.J. 1998. Resurgent Vector-Borne Disease as a Global Health Problem. *Emerging Infectious disease.* 4 (3): 442-450.
- Hadi, U.K., Soviana, S., dan Pratomo, I.R.C. 2016. Prevalence of Ticks and Tick-Borne Diseases in Indonesian Dogs. *J Veterinar Sci Techno.* 7 (3): 330.
- Harrus, S., Alleman, A.R., Bark, H., Mahan, S.M., dan Waner, T. 2002. Comparison of three enzyme-linked immunosorbant assays with the indirect immunofluorescent antibody test for the diagnosis of canine infection with *Ehrlichia canis*. *Vet Microbiol.* 86 (4): 361-8.
- Hii, S.F., Kopp, S.R., Abdad, M.Y., Thompson, M.F., O'Leary, C.A., Rees, R.L., Traub, R.J. 2011. Molecular evidence supports the role of dogs as potential reservoirs for *Rickettsia felis*. *Vector-Borne Zoonotic Dis.* 11:1007-12.
- Jahfari, S., Coipan, E.C., Fonville, M., van Leeuwen, A.D., Hengeveld, P., Heylen, D., Heyman, P., van Maanen, C., Butler, C.M., Foldvari, G., Szekeres, S., van Duijvendijk, G., Tack, W., Rijks, J.M., van der Giessen, J., Takken, W., van Wieren, S.E., Takumi, K., Sprong, H., 2014. Circulation of four *Anaplasma phagocytophilum* ecotypes in Europe. *Parasites & vectors.* (7): 365.

- Kaufmann, J. 1996. *Parasitic Infections of Domestic Animals-a Diagnostic Manual*. Birkhauser, Berlin.
- Kelly, W.R. 1984. *Veterinary clinical diagnosis, 3rd Ed*. Bailliere Tindall, London.
- Kocan, K.M., Feunte, J.D.L., Blouin, E.F., Coetzee, J.F., dan Swing, S.A. 2010. Review-The natural history of *Anaplasma marginale*. *Veterinary Parasitology*. (167): 95-107.
- Kohn, B., Silaghi, C., Galke, D., Arndt, G., dan Pfister, K. 2011. Infections with *Anaplasma phagocytophilum* in dogs in Germany. *Res Vet Sci*. 91 (1): 71-76.
- Kumar, S., Stecher, G., dan Tamura, K. 2016. MEGA7: Molecular Evolutionary Genetics Analysis Version 7.0 for Bigger Datasets. *Mol. Biol. Evol.* 33 (7): 1870-1874.
- Lee, J.H., Park, H.S., Jang, W.J., Koh, S.E., Kim, J.M., Shim, S.K., Park, M.Y., Kim, Y.W., Kim, B.J., Kook, Y.H., Park, K.H., dan Lee, S.H. 2003. Differentiation of Rickettsiae by groEL Gene Analysis. *J. Clin. Microbiol.* 41 (7): 2952-2960.
- Lee, S.H., Kim, N., dan Kwak, D. 2017. First clinical case of canine granulocytic anaplasmosis in Korea and genotypic analyses of *Anaplasma phagocytophilum*. *Ticks Tick-borne Dis*. 790 (4): 1-4.
- Lillini, E., Macrì, G., Proietti, G., dan Scarpulla, M. 2006. New findings on anaplasmosis caused by infection with *Anaplasma phagocytophilum*. *Ann N Y Acad Sci*. (1081): 360-370.
- Little, S.E. 2010. Ehrlichiosis and anaplasmosis in dogs and cats. *Vet Clin North Am Small Anim Pract*. 40 (6): 1121-1140.
- Mazepa, A.W., Kidd, L.B., Young, K.M., dan Trepanier, L.A. 2010. Clinical presentation of 26 anaplasma phagocytophilum-seropositive dogs residing in an endemic area. *J Am Anim Hosp Assoc*. 46 (6): 405-412.
- Otranto, D., Testini, G., Dantas-Torres, F., Latrofa, M.S., Diniz, P.P., dan de Caprariis, D. 2010. Diagnosis of canine vector-borne diseases in young dogs: a longitudinal study. *J Clin Microbiol*. 48 (9): 3316-3324.
- Quinn, P.J., Markey, B.K., Carter, M.E., Donnelly, W.J., dan Leonard, F.C. 2008. *Veterinary Microbiology and Microbial Disease*. Blackwell Pub., UK.
- Rar, V., dan Golovljova, I., 2011. *Anaplasma, Ehrlichia, and "Candidatus Neoehrlichia"* bacteria: pathogenicity, biodiversity, and molecular genetic characteristics, a review. *Infection, genetics and evolution: journal of molecular epidemiology and evolutionary genetics in infectious diseases*. (11): 1842-1861.

- Ribeiro, C.M., Matos, A.C., Azzolini, T., Bones, E.R., Wasnieski, E.A., Richini-Pereira, V.B., Lucheis, S.B., dan Vidotto, O. 2017. Molecular epidemiology of *Anaplasma platys*, *Ehrlichia canis* and *Babesia vogeli* in stray dogs in Paraná, Brazil. *Pesq. Vet. Bras.* 37(2):129-136.
- Rymaszewska, A., dan Grenda, S. 2008. Bacteria of The Genus Anaplasma- Characteristics of Anaplasma and Their Vector: a Review. *Veterinarni Medicina.* 53 (11): 573-584.
- Santos, A.S., Alexandre, N., Sousa, R., Nuncio, M.S., Bacellar, F., dan Dumler, J.S. 2009. Serological and molecular survey of Anaplasma species infection in dogs with suspected tickborne disease in Portugal. *Vet Rec.* 164 (6): 168-71.
- Shaw, S.E., Day, M.J., Birtles, R.J., dan Breitschwerdt, E.B. 2001. Tick-borne infectious diseases of dogs. *Trends Parasitol.* 17:74-80.
- Sykes, J.E., dan Foley, J.E. 2014. Canine and Feline Infectious Diseases: Anaplasmosis. Saunders, Philadelphia.
- Thompson, J.D., Plewniak, F., dan Poch, O.A. 1999. Comprehensive Comparison of Multiple Sequence Alignment Programs. *Nucleic Acids Research.* 27 (13): 2682-2690.
- Tilley, L.P., dan Smith, Jr.F.W.K. 2011. *Blackwell's Five Minute Veterinary Consult, Canine and Feline 5th edition.* Wiley-Blackwell, India.
- Viale AM, Arakaki AK, Soncini FC, FerreyraRG (1994). Evolutionary relationships among eubacterial groups as inferred from GroEL (chaperonin) sequence comparisons. *Int. J. Syst. Bacteriol.* 44: 527-533.
- Vargas-Hernandez, G., Andre, M.R., Cendales, D.M., Marques de Sousa, K.C., Goncalves, L.R., Rondelli, M.C.H., Machado, R.Z., dan Tinucci-Costa, M. 2016. Molecular detection of *Anaplasma* species in dogs in Colombia. *Braz. J. Vet. Parasitol., Jaboticabal.* 25 (4): 459-464.