

## DAFTAR PUSTAKA

- Arends, J.P., Hartwig, N., Rudolphy, M., dan Zanen, H.C. 1984. Carrier rate of *Streptococcus suis* capsular type 2 in palatine tonsils of slaughtered pigs. *J Clin Microbiol.* 20: 945–47.
- Aughey, E., Frye, F.L. 2001. *Comparative Veterinary Histologi with Clinical Correlates*. London: Manson Publishing, Ltd.
- Berthelot-Herault, F., Cariolet, R., Labe, A., Gottschalk, M., Cardinal, J.Y., Kobisch, M. 2001. Experimental infection of specific pathogen free piglets with French strains of *Streptococcus suis* capsular Type 2. *Can. J. Vet. Res.* 65(3): 196-200.
- Clifton-Hadley, F.A., and Enright, M. R. 1984. Factors affecting the survival of *Streptococcus suis* type 2. *Vet Rec.* 114: 584–86.
- Cloutier, G., D’Allaire, S., Martinez, G., Surprenant, C., Lacouture, S., Gottschalk, M. 2003. Epidemiology of *Streptococcus suis* serotype 5 infection in a pig herd with and without clinical disease. *Vet. Microbiol.* 97(1-2): 135-151.
- Domínguez-Punaro, M.C., Segura, M., Plante, M.M., Lacouture, S., Rivest, S. dan Gottschalk, M. 2007. *Streptococcus suis* Serotype 2, an Important Swine and Human Pathogen, Induces Strong Systemic and Cerebral Inflammatory Responses in a Mouse Model of Infection. *J. Immunol.* Vol 179:1842-1854.
- Donsakul, K., Dejthevaporn, C., dan Witoonpanich, R. 2003. *Streptococcus suis* infection: clinical features and diagnostic pitfalls. *Southeast Asian J Trop Med Public Health.* 34:154–8.
- Eroschenko, V.P. 2008. *diFiore’s Atlas of Histology with Functional Correlation. 11<sup>th</sup> edition*. Baltimore: Lippincott Williams & Wilkins.
- Eurell, J.A.C. 2004. *Veterinary Histology*. Wyoming: Teton NewMedia.
- Fittipaldi, N., Segura, M., Grenier, D., dan Gottschalk, M. 2012. Virulence factors involved in the pathogenesis of the infection caused by the swine pathogen and zoonotic agent *Streptococcus suis*. *Future Microbiol.* Vol 7(2), 259–279.
- Fowler, H.N., Brown, P., Rovira, A., Shade, B., Klammer, K., Smith, K., Scheftel, J. 2013. *Streptococcus suis* Meningitis in Swine Worker, Minnesota, USA. *Emerging Infectious Diseases.* [www.cdc.gov/eid](http://www.cdc.gov/eid). Vol.19(2): 330-331.
- Gartner, L.P., Hiatt, J.L., Strum, J.M. 2012. *Biologi Sel dan Histologi. Edisi 6*. Alih Bahasa Dr. Fajar Arifin Guna Wijaya. Tangerang: Binarupa Aksara.

- Gogolewski, R.P., Cook, R.W., O'Connell, C.J. 1990. *Streptococcus suis* serotype associated with disease in weaned pigs. *Aust. Vet. J.*(67): 202-204.
- Gottschalk, M., dan Segura, M. 2000. The pathogenesis of the meningitis caused by *Streptococcus suis*: the unresolved questions. *Vet Microbiol.* 76: 259–72.
- Gottschalk, M. 2004. Porcine *Streptococcus suis* strains as potential sources of infections in humans: an underdiagnosed problem in North America?. *Journal of Swine Health and Production.* Vol 12(4):197-199.
- Gottschalk, M., Xu, J., Calzas, C., Segura, M. 2010. *Streptococcus suis*: a new emerging or an old neglected zoonotic pathogen. *Fut. Microbiol.* (5): 371-391.
- Graveline, R., Segura, M., Radzioch, D., Gottschalk, M. 2007. TLR2-dependent recognition of *Streptococcus suis* is modulated by the presence of capsular polysaccharide which modifies macrophage responsiveness. *Internal Immunology.* Vol 19, No.4, pp. 375-389.
- Goyette-Desjardins, G., Auger, J., Xu, J., Segura, M., Gottschalk, M. 2014. *Streptococcus suis*, an important pig pathogen and emerging zoonotic agent-an update on the worldwide distribution based on serotyping and sequence typing. *Emerging Microbes and Infection.* 1-19.
- Hanterdsith, B., Tharavichitkul, P., Mahanupab, P., Raksamat, W. 2013. Postmortem diagnosis of sudden unexpected death from *Streptococcus suis* type 2 infection: A case report. *Elsevier Journal of Forensic and Legal Medicine.* 20(2013): 347-349.
- Hendrich, H.J. 2012. *The Laboratory Mouse.* London: Elsevier.
- Higgins, R., Gottschalk, M., Mittal, K. R., dan Beaudoin, M. 1990. *Streptococcus suis* infection in swine. A sixteen month study. *Can J Vet Res.* Vol 54: 170–73.
- Higgins, R., Gottschalk, M. 1990. Review Article An update on *Streptococcus suis* identification. *J Vet Diagn Invest.* (2): 249-252.
- Jacobs, A.A., van den Berg, A.J., Baars, J.C., Nielsen, B., Johannsen, L.W. 1995. Production of suilysin, the thiol activated haemolysin of *Streptococcus suis* by field isolates from diseased pigs. *Vet. Rec.* (137): 295-296.
- John, V.S. ST., Wilcock, B., Kierstead, M. 1982. *Streptococcus suis* Type 2 Infection in Swine in Ontario: A Review of Clinical and Pathological Presentations. *Can. Vet. J.* (23): 95-97.

- Kerdsin, A., Takeuchi, D., Gottschalk, M., Hamada, S., Akeda, Y., Oishi, K. 2014. A human case of *Streptococcus suis* infection caused by an unencapsulated strain. *JMM Case Reports* 1-4.
- Kim, D., Han, K., Oh, Y., Kim, C.H., Kang, I., Lee, J., Gottschalk, M., Chae, C. 2010. Distribution of capsular serotypes and virulence markers of *Streptococcus suis* isolated from pigs with polyserositis in Korea. *The Canadian Journal of Veterinary Research*.(74): 314-316.
- Kim, H., Lee, S.H., Moon, H., Kim, J.Y., Lee, S.H., Hur, M., Yun, Y. 2011. *Streptococcus susi* Cause Septic Arthritis and Bacteremia: Phenotypic Characterization and Molecular Confirmation. *Korean J Lab Med* .31: 115-117.
- Kilpper-Bälz, R. dan Schleifer, K.H. 1987. *Streptococcus Suis* Sp. Nov., Nom. Rev. *International Journal Of Systematic Bacteriology*. Vol 37 (2): 160-162.
- Lancefield, R.C. 1932. A Serological Differentiation Of Human and Other Groups Of Hemolytic Streptococci. *The Hospital Of The Rockefeller Institute For Medical Research*. pp 571-595.
- Lun, Z.R., Wang, Q.P., Chen, X.G., Li, A.X., Zhu, X.Q. 2007. *Streptococcus suis*: an emerging zoonotic pathogen. *Lancet infect Dis*.(7): 201-209.
- Lutticken, R., Temme, N., Hahn, G., dan Bartelheimer, E.W. 1986. Meningitis caused by *Streptococcus suis*: case report and review of the literature. *Infection*. Vol 14:181-185.
- McGavin, D., Zachary, J.F. 2008. *Pathologic Basis of Veterinary Disease*. 4<sup>th</sup> e. New York: Elsevier.
- Mai, N.T., Hoa, N.T., Nga, T.V., Linh le, D., Chau, T.T., Sihn, D.X. 2008. *Streptococcus suis* meningitis in adults in Vietnam. *Clin Infect Dis*. 46:659-67.
- Matsuo H, dan Sakamoto S. 2003. Purulent meningitis caused by *Streptococcus suis* in a pig breeder. *Kansenshogaku Zasshi*. Vol 77: 340-342.
- Maxie, M.G., Youssef, S. 2006. *Jubb, Kennedy, and Palmer's Pathology of Domestic Animals*. Vol.1. Edinburgh: Elsevier Saunders.
- Mazokopakis, E.E., Kofteridis, D.P., Papadakis, J.A., Gikas, A.H., dan Samonis, G.J. 2005. First case report of *Streptococcus suis* septicaemia and meningitis from Greece. *Eur J Neurol*. Vol 12: 487-489.

- Nakayama, T., Takeuchi, D., Akeda, Y., Oishi, K. 2011. *Streptococcus suis* infection induces to bacterial accumulation in the Kidney. *Elsevier Microbial Pathogenesis*. 50: 87-93.
- Nakayama, T., Takeuchi, D., Matsumura, T., Akeda, Y., Fujinaga, Y., Oishi, K. 2013. Alcohol consumption promotes the intestinal translocation of *Streptococcus suis* infections. *Elsevier Microbial Pathogenesis*. 65: 14-20.
- Padungtod, P., Tharavichitkul, P., Junya, S., Chaisowong, W., Kadohira, M., Makino, S., Sthitmatee, N. 2010. Incidence and presence of virulence factors of *Streptococcus suis* infection in slaughtered pigs from Chiang Mai, Thailand. *Southeast Asian J. Trop. Med. Public Health*. Vol. 41: 1454-1461.
- Quinn, P.J., Markey, B.K., Carter, M.E., Donnelly, W.J., Leonard, F.C. 2000. *Veterinary Microbiology and Microbial Disease*. London: Blackwell Science.
- Ross, M.H., Pawlina, W. 2011. *Histology a Text and Atlas with Correlated Cell and Molecular Biology*. 6<sup>th</sup> edition. Philadelphia: Lippincott Williams & Wilkins.
- Salasia, S.I.O., Lämmler C., and L.A. Devriese .1994. Serotypes and putative virulence markers of *Streptococcus suis* isolates from cats and dogs. *Res. Vet. Sci*. Vol 57: 259-261.
- Salasia, S.I.O., Lämmler C. 1995. Distribution of serotype, virulence markers and further characteristics of *Streptococcus suis* isolates from pigs. *Zentralbl. Veterinarmed.*(42): 78-83.
- Salasia, S.I.O. 1997. *Streptococcosis: Ancaman bagi ternak dan manusia*. Pidato Ilmiah, Dies Natalis, Fakultas Kedokteran Hewan UGM.
- Salasia, S.I.O, W. Nugroho, and N. Ruff .2011. *Streptococcus suis* infection of pigs in Papua. Characteristics of *Streptococcus suis* isolates in Indonesia. The International Conference on Natural Sciences (ICONS), Humboldt Kolleg. Malang, July 9-11, 2011.
- Salasia, S.I.O., Ardita, C.A., Slipranata, M., Nugroho, W dan Artanto, S. 2012. *Detection of muramidase released protein of Streptococcus suis infection in pigs in Papua*. The International Convergence "A Role of Veterinary Global Health Challenges", September 18<sup>th</sup>-19<sup>th</sup> 2012.
- Salasia, S.I.O. 2013. *Streptococcus suis Penyebab Meningitis Zoonotik pada Babi dan Manusia: Aspek Patologis dan Patologi Klinis*. Bahan Ajar Bagian Patologi Klinik Fakultas Kedokteran Hewan Universitas Gadjah Mada.

- Sihvonen, L., Kurl, D.N., Henrichsen, J. 1988. *Streptococcus suis* isolated from pigs in Finland. *Acta Vet. Scand.*(2): 9-13.
- Smith, J.B., Mangkoewidjojo, S. 1988. *Pemeliharaan, Pembiakan, dan Penggunaan Hewan Percobaan di Daerah Tropis*. Jakarta: Penerbit Universitas Indonesia.
- Staats, J.J., Feder, I., Okwumabua, O., Chengappa, M.M. 1997. *Streptococcus suis*: past and present. *Vet Res Commun*; 21: 381–407.
- Suankratay, C, Intalapaporn, P., Nunthapisud, P., Arunyingmongkol, K., dan Wilde, H. 2004. *Streptococcus suis* meningitis in Thailand. *Southeast Asian J Trop Med Public Health*. 35: 868–76.
- Tang, J., Wang, C., Feng, Y., Yang, W., Song, H., *et al.*, 2006. Streptococcal Toxic Shock Syndrome Caused by *Streptococcus suis* Serotype 2. *PLoS Med* 3(5): 151.
- Vecht, U., Wisselink, H.J., van Dijk, J.E., Smith, H.E.1992. Virulence of *Streptococcus suis* Type 2 Strains in Newborn Germfree Pigs Depends on Phenotype. *Infection and Immunity*. Vol. 60 (2): 550-556.
- Vecht, U., van Leengoed, L.A.M.G., Verheijen, E.R.M. 1985. *Streptococcus suis* infections in pigs in the Netherlands (Part I). *The Veterinary Quarterly*. Vol 7(4): 315-321.
- Wangkaew, S., Chaiwarith, R., Tharavichitkul, P., dan Supparatpinyo, K. 2006. *Streptococcus suis* infection: a series of 41 cases from Chiang Mai University Hospital. *J Infect*. 52:455–60.
- Wertheim, H.F., Nghia, H.D., Taylor, W., dan Schultsz, C. 2009. *Streptococcus suis*: an emerging human pathogen. *Clin Infect Dis*. Vol 48: 617–625.
- Winterhoff, N., Goethe, R., Gruening, P., Rohde, M., Kalisz, H., Smith, H.E., Valentin-Weigand, P. 2002. Identification and Characterization of Two Temperature-Induced Surface-Associated Protein of *Streptococcus suis* with High Homologies to Members of the Arginine Deiminase System of *Streptococcus pyogenes*. *Journal of Bacteriology*. Vol. 18. No. 24: 6768-6776.
- Wisselink, H.J. 2001. *Streptococcus suis* infection in pigs. Use of virulence-associated markers in diagnostics and vaccines. Enschede: PrintPartners Ipskamp.
- Xie, C., Hou, Y.X., Zhao, Y.T., Cai, X.H., Li, C.Y., Li, P.F., Li, Y.Z., Su, X., Yue, X.W., Wang, S.J., Liu, Y.G., Yang, W.J., Yuan, C.L., Cu, L., Hua, X.G., Yang, Z.B. 2014. Histopathological and cytopathological findings in

minipigs infected with *Streptococcus suis* serotype 2. *Bull. Vet. Inst. Pulawy*. (58): 201-209.

Yu H, Jing H, Chen Z, Zheng, H., Zhu, X., *et al.* 2006. Human *Streptococcus suis* outbreak, Sichuan, China. *Emerg Infect Dis*. 12: 914–20.

Zachary, J.F. 2008. *Pathologic Basis of Veterinary Disease*. 4<sup>th</sup> e. New York: Elsevier.