

DAFTAR PUSTAKA

- Abbas, A.K., dan Lichtman, A.H. 2005. *Celluler and Molecular Immunology*. 5thed. Philadelphia. Elseveir. Saunders.81-104
- Afroz, H., Satar, S., Rasool, A., Zamir, B., Ikram-ul-Haq, Rafique, R., Comparison of immunogenic effect of three oil adjuvant vaccines against haemorrhagic septicaemi in cattle and buffalo. 2016. *International archives of biomedical and clinical research*. Vol.2. Issue 2. 43-48.
- Ahmed, W.A., Al-Gebouri N.M., Al-Maaly, N.M.,. Study the pathogenicity of *Pasteurella multocida* in mice. 2014. *Bas.J.Vet.Res*. Vol.1. No.1. 312-323.
- Alexandersen, S., Zhang, Z., Donaldson, A.I. and Garland,A.J. 2003. The pathogenesis and diagnosis of foot and mouth disease. *J. Comp. Pathol.*,129: 1-36.
- Al-Humam, N.A., Al-Dughaym, A.M., Mohammed, G.E., Housawi, F.M., and Gameel, A.A, 2004. Study on the isolation and pathogenicity of pasteurella multocida type A in calves in Saudi Arabia. *Pak.J.Biol.Sci*.7(4):460-463.
- Ali, Z., Muhammad, K., Hussain, I., Hameed, E. 2000. Antibody response of buffaloes to Haemorrhagic Septicaemia vaccine. *Int. J. Agric. Biol.*, 2: 183–186.
- Altman, A., Dixon, F.J., 1989. Immunomodifiers in vaccines. *Adv vet sci comp med*. 33:301-343.
- Anief, M., 1999. Sistem dispersi, formulasi suspensi dan emulsi. Edisi 1. Gadjah Mada University Press. Yogyakarta. 56-102.
- Anonimus, 1992. Manual montanide. Seppic.Perancis
- Anonimus, 2015. Tarif layanan badan layanan umum Pusat Veteriner Farma pada Kementerian Pertanian. Permenkeu RI No. 101/PMK.05/2015.
- Anonimus. 2014. Manual Penyakit Hewan Mamalia. Direktorat Jenderal Peternakan dan Kesehatan Hewan. Jakarta.
- Aucouturier, J., Dupuis, L., Ganne, V., 2001. Adjuvants designed for veterinary and human vaccines. *Vaccine* 19. 2666-2672.
- Bain, R.V.S., De Alwis, M.C.L., Carter, G.R and Gupta, B.K. 1982. Haemorrhagic Septicaemia. In: *FAO Animal Production and Health Paper* 33. Food and Agriculture Organization of the United Nations. Rome. Italy. 11–33
- Bankirane, A., De Alwis, M.C.L., 2002. Haemorrhagic septicaemia, its significance prevention and control in Asia. *Vet-Med-Czech* 47:234-240.
- Baratawidjaja, K.G., Rengganis, I., 2014. *Imunologi dasar*. Edisi 11. Badan penerbit fakultas kedokteran universitas Indonesia. Jakarta.
- Bird, Tony. 1993. *Kimia Fisik Untuk Universitas*. Gramedia. Jakarta

- Boyce, J.D., Harper, M., Wilkie, I.W., Adler, B., 2010. Pathogenesis of Bacterial Infection in Animal. Fourth Edition. Edited by C.L. Gyles, J.F. Prescott, J.G. Songer, and C.O. Thoen. Blackwell Publishing.
- Brooks, G.F., Butel, J.S., Morse, S.A., 2005. Mikrobiologi Kedokteran. Edisi 1. Salemba Medika. Jakarta.
- Carter G.R. 1955. A haemagglutination test for identification of serological types. American Journal of Veterinary Research, 16,481-484.
- Carter G.R. and De Alwis M.C.L. 1989. Haemorrhagic septicaemia. In: C. Adlam and J.M. Rutter (eds). *Pasteurella* and pasteurellosis. Academic Press, New York. 37-73.
- Chandrasekeran, Mumandy, N., Kennet, L. and Mukkur, T.K.S. Protection antibody response and isotype specificity in buffaloes immunized with conventional haemorrhagic septicaemia vaccines. 1991. In:Proc. FAOIAPHCA Workshop on haemorrhagic septicaemia. Sri Lanka. 137-141.
- Chevalier, G., Duclohier, H., Thomas, D., Shechter, E., Wroblewski, H. 1993. Purification and characterization of protein H, the major porin of *Pasteurella multocida*. J. Bacteriol.175:266–276.
- Dara, P., Kalaivanana, R., Sied, N., Mamo, B., Kishore, S.,Suryanaraya, V.V. and Kondabattula, G. 2013. Montanide ISA TM 201 adjuvanted FMD vaccine induces improvedimmune responses and protection in cattle. Vaccine J., 31: 3327-3332.
- Dawkins, R.H., Johnson, R.B., Spencer, T.L., Adher, B., 1990. *Pasteurella multocida* infection in mice with reference to Haemorrhagic septicaemia in cattle and buffalo. Immunol. Cell Biol., 68:57-61.
- De Alwis M.C.L .1992. Haemorrhagic septicaemia-a general rev. Br.Vet.J., 148:99-111.
- De Alwis M.C.L .1999. Haemorrhagic septicaemia. ACIAR Monograph no 57. Australian Centre for International Agriculture Research. Canberra..Australia.
- De Alwis, M.C.L. 1981. Mortality among cattle and buffaloes in Sri Lanka due to haemorrhagic septicaemia. Tropical Animal Health and Production 13:195-202.
- De Angelis, P.L., Gunay, N.S., Toida, T., Mao, W.J., dan Linhardt, R.J., 2002. Identification of the capsular polysaccharides of Type D and F *Pasteurella multocida* as unmodified heparin and chondroitin, respectively. Carbohydr. Res. 337:1547-1552.
- Dhanda, M.R. Immunization of cattle against haemorrhagic septicaemia with purified capsular antigens. Ind. Vet J. 1959, 36, 6-8.
- Direktorat Jenderal Peternakan dan Kesehatan Hewan. 1998. Bulletin Kesehatan Hewan. 3: 74.
- Dudgale. 1986. Mekanika Fluida Edisi 3. Erlangga. Jakarta.

- Edelman, R., 1980. Vaccine adjuvants. *Rev. Infect. Dis.* 2 (3), 370–383.
- FAO. 1995. Production Yearbook 1995. FAO Statistics Division.
- Farmakope Obat Hewan Indonesia Jilid 1 (Sediaan Biologik). 2013. Direktorat Jenderal Peternakan dan Kesehatan Hewan. Jakarta.
- Fernandez de Henestrosa, A.R., Badiola, I., Saco, M., Perez de Rozas, A.M., Campoy, S., Barbe, J. 1997. *FEMS Microbiol Lett* 154:311–316.
- Fox, J.G., Cohen, B.J. Loew, F.M. (Eds.). 1984. *Laboratory Animal Medicine*. Academic Press. New York.
- Francis, B.K.T., Sehels, H.P. and Carter, O.R. 1980. Type E, *Pasteurella multocida* associated with haemorrhagic septicaemia in Zambia. *Veterinary Record*, 107, 135.
- Garcon, N., Leroux-Roels, G., Cheng, W.F., Vaccine adjuvant. 2011. *Understanding modern vaccines*. Vol 1. Issues 1. 89-113.
- Glenney, A.T., Pope, C.G., Waddington, H., Wallace, U., 1926. XXIII—the antigenic value of toxoid precipitated by potassium alum. *J. Pathol. Bacteriol.* 29, 38–39.
- Haemorrhagic Septicaemia. FAO Animal Production and Health Paper. United Nations. Rome.
- Hagan, W.A., Bruner, B.C., Timoney, J.F., Gillespie, J.H., Scott, F.W. and Barlough, J.E. 1988. Hagan and Bruner's *Microbiology and Infectious Diseases of Domestic Animal*. Eight Edition. USA. Cornell University Press.
- Harper, M., Boyce, J.D., Adler, B., 2006. *Pasteurella multocida* pathogenesis: 125 years after Pasteur. *FEMS Microbiol Lett* 265:1–10
- Harper, M., Cox, A.D., Adler, B., Boyce, J.D. 2011. *Vet Microbiol* 153:109–115
- Heddleston, K.L., Gallagher, J.E. and Rebers, P.A. 1972. Fowl cholera: Gel diffusion precipitin test for serotyping *Pasteurella multocida* from avian species. *Avian Diseases*, 16, 925-936.
- Hudson, J.R. 1995. Immunization against bovine pasteurellosis. *Bull. Off. Int. Epiz.* 42, 257-267.
- Ibrahim, E.E., 2011. Advanced studies on Foot and Mouth Disease Vaccines of sheep in Egypt. PhD.Sc. Thesis (Infectious Diseases). Faculty of Veterinary Medicine. Cairo University. Egypt.
- Iovane, G., Pagnini, P., Galdiero, M., Cipollaro de l'Ero, G., Vitiello, M., D'Isanto, M., Marcatili, A. 1998. *Vet Immunol Immunopathol* 66:391–404.
- Jabbari, A.R., Moazeni Jula, G.R., 2002. Improvement of haemorrhagic septicaemia vaccine by removing of anaphylactic agents. *Arch Razi Ins*; 54: 85-9

- Jabbari, A.R., Moazeni Jula, G.R., 2005. Potency testing of modified alum adjuvant haemorrhagic septicaemia vaccine in laboratory and farm animal. Arch. Razi Ins. 2004. 57. 97-104.
- Jawetz, Melnick, Adelberg's. 2005. Mikrobiologi Kedokteran. Salemba Medica. Jakarta.
- Jones, T. and Hussani, S. Outbreak of *Pasteurella multocida* septicaemia in fallow deer (*Dama dama*). Vet. Rec. 1982. 110.451-452.
- Joseph, P.G. 1989. Haemorrhagic septicaemia in Peninsular Malaysia. Kajian Vet, 11:65-79.
- Khar, U.R., Van and Myint, A., 1992. Report of country Myanmar ACIAR. In: Proc. No. 43, 1992, p. 250.
- Kubatzky, K.F., 2012. *Pasteurella multocida* and immune cells. Current topics in Microbiology and immunology. 361: 53-72.
- Kucera, C.J., Wong, J.C.S. and Eis, R.L. 1981. Development of a chemically altered *Pasteurella multocida* vaccine strain. Am. J. Vet. Res. 42. 1389-1394.
- Kumar, V., Abbas, A.K., Fausto, N., Mitchel, R.N., 2007. Robbins basic pathology. 8thed. Saunders. Philadelphia. 102-103.
- Kumar S, Chaturvedi, V.K, Kumar, B., Kumar, P. 2011. Immune response and viscosity of haemorrhagic septicaemia oil adjuvant vaccine at different water-oil proportion. Indian J Anim Sci. 81: 1000–1004.
- Kumar, S., Chaturvedi, V.K., Kumar, B., Kumar, P., Somarajan, S.R., Kumar, A., Yadav, A.S., Sharma, B., Improved humoral immune response of oil adjuvant vaccine by saponin co-adjuvantation against haemorrhagic septicaemia in mice and buffalo calves. 2012. Indian journal of animal science. 82(9). 953-957.
- Kumar, S., Chaturvedi, V.K., Kumar, B., Kumar, P., Somarajan, S.R., Mishra, A.K., Sharma, B., Effect of alum co-adjuvantation vaccine on emulsion stability and immune responses against haemorrhagic septicaemia in mice. 2015. Iranian journal of microbiology. Vol. 7. No.2. 79-87.
- Mangkoewidjojo, S., Bangun, A. dan Nitisuwirjo, S. 1982. Beberapa penyakit ruminansia dan aspek penelitiannya. Pertemuan Ilmiah Ruminansia Besar. Cisarua, Bogor, 6-7 Desember.
- Marandi, M.V. , Mittal, K.R .1997. Role of outer membrane protein H (ompH)- and ompA-specific monoclonal antibodies from hybridoma tumors in protection of mice against *Pasteurella multocida*. Infect Immun 65: 4502–4508.
- Mc Vey, D., Scott, Melissa, K., Chengappa M.M., 2013. Veterinary Microbiology. Third Edition. Wiley Blackwell. Iowa. p 101-107.

- Mohi-ud-din, Mudasser, H., Zahid, I., Iftikhar, H., Immune response of rabbits to hemorrhagic septicemia vaccine formulations adjuvanted with montanide ISA-206, paraffin oil and alum. 2014. *Asian J Agri Biol.* 2(2): 161-167.
- Morrison, D.C., Rayan, J.L., 1987. Endotoxins and disease mechanism. *Annual review of medicine.* 38:417-432.
- Mosier, D. 1993. Prevention and control of Pasteurellosis. *Pasteurellosis in Production Animals.* ACIAR Proc. no. 43.
- Moustafa, A.M., Ali, S.N., Bennett, M.D., Hyndyman, T.H., Robertson, I.D. 2015. A case-control study of haemorrhagic septicemia in buffaloes and cattle in Karachi, Pakistan, in 2012. *Trans Emerg Dis*, doi: 10.1111/tbed.12393.
- Munasir, Z., 2001. Respons Imun Terhadap Infeksi Bakteri. *Sari Pediatri*, Vol. 2, No. 4. 193 – 197.
- Muneer, R., Hussain, M. Zahoor, A.B. 2005. Efficacy of oil based haemorrhagic septicemia vaccine: A field trial. *International Journal of Agricultural Biology* 4: 571–73.
- Myint, A. and Carter, G.R. 1990. Field use of live haemorrhagic septicemia vaccine. *Vet. Rec.* 126, 648.
- Myint, A., Carter, G. R., and Jones, T. 1987. Prevention of haemorrhagic septicemia with a live vaccine. *Vet. Rec.* 120, 500-501.
- Myint, A. and Carter, G.R. 1989. Prevention of haemorrhagic septicemia in buffaloes and cattle with live vaccine. *Vet. Rec.* 124: 508 – 509.
- Neremitmansook, P. 1993. Country Report - Thailand. In: B.E. Patten, T.L. Spencer, R.B. Johnson, D. Hoffmann and L. Lehane (eds), *Pasteurellosis in Production Animals*, An international workshop held at Bali, Indonesia, 10-13 August 1992. *ACIAR Proceedings* No. 43, 234-237.
- OIE (Office International des Epizooties). 2012. *Haemorrhagic Septicaemia. Manual of Diagnostic Tests and Vaccines for Terrestrial Animals*
- Ose, E.E., and Muenster, O.A., 1968. A method of evaluating vaccines containing *Pasteurella multocida*. *American Journal of Veterinary Research*, 29, 1863-1866.
- Otis, A.P., Foster H.L., *The Mouse in Biomedical Research*. Vol III. Eds. Foster, H.L., Small, J.D. Fox, J.G. 1983. Academic Press. New York.
- Patil, P.K., Boyry, J., Ramoikrishna, C., Hugar, B., Misrol, L.D. and Natarajan, C. 2002. Immune response of goats against FMD quadrivalent vaccine: Comparison of double oil emulsion and aluminium hydroxide gel vaccine in eliciting immunity.
- Petrovsky, N., Aguilar, J.C., 2004. Vaccine adjuvants: current state and future trends. *Immunol. Cell Biol.* 82, 482–496.

- Priyantha, M.A.R., Liyanagunawardana, N., Vipulasiri, A.A., Fernando, P.S., Rathakrishnen, S., Gunawardana, G.A., 2012. Protektive efficacy of haemorrhagic septicaemia vaccine in cattle. 2012. Wayamba journal of animal science. ISSN: 2012-578X. 301-306.
- Quinn, P.J., B.K. Markey, F.C. Leonard, E.s. FitzPatrick, S. Fanning, P.J. Hartigan, 2011. Veterinary Microbiology and Microbial Disease.. Second Edition. Wiley Blackwell. Iowa. p 300-307.
- Raman, M., Ramadass, P., Rajavelu, G., 2004. Evaluation of Saponin and Montanide ISA 50 adjuvants for their immunopotency and effect on humoral immune response of calves to purified midgut antigen of *Boophilus microplus*. Veterinarski arhiv. 74 (2):129-140.
- Ramdani, Dawkins, H. J ., Johnson, R.B., Spencer, T.L., Adler, B. 1990. Pasteurella multocida infections in mice with reference to Haemorrhagic septicaemia in cattle and buffalo . Immunol.Cell.Biol.68:57-61.
- Sarwar, N., Muhammad, K., Rabbani, M., Rana, M.Y., Sarwar, M., Ali, M.A., Nazir, J., Kamran, M., 2015. Factors affecting potency of haemorrhagic septicaemia vaccines. Int. J. Agric. Biol. 17:387-390.
- Sheikh, M.A., Azam, M., Shakoory, A.R. 1996. Observations on haemorrhagic septicaemia in Pakistan livestock. Zentralbl Veterinarmed.. Bulletin significance, prevention and control in Asia. Vet. Med. – Czech, 47; 43: 293-304.
- Singh, B., Prasad, S., Verma, M.R. and Sinha, D.K., 2014. Estimation of economic losses due to haemorrhagic septicaemia in cattle and buffaloes in India. Agric Econ Res Rev, 27:217-279.
- Sivakumar, S.M., Safhi, M.M., Kannadasan, M., Sukumaran, N., 2011. Vaccine adjuvants-current status and prospects on controlled release adjuvancity. Saudi pharmaceutical journal 19:197-206.
- Smith, J.B. dan Mangkoewidjojo, S., 1988. Pemeliharaan, Pembiakan dan Penggunaan Hewan Percobaan di Daerah Tropis. Jakarta. UI-Press.
- Sotoodehnia , A., Moazeni, G., Ataei, S., Omid, B. Study on Immunity of an Experimental Oil Adjuvant Haemorrhagic Septicaemia Vaccine in Cattle. 2005. Arch. Razi Ins. 59 95-101.
- Subronto. 2008. Ilmu Penyakit Ternak (Mammalia).Gadjah Mada University Press. Yogyakarta
- Sutarma. 2000. Kultur media bakteri. Temu tehnis fungsional non peneliti. 52-57.
- Syamsudin, A. 1992. In: B.E. Patten, TL. Spencer, R.B. Johnson, D. Hoffmann and L. Lehane (eds), Pasteurellosis in Production Animals, An international workshop held at Bali, Indonesia, 10-13 August 1992. ACIAR Proceedings No. 43, 180.

- Tabatabaei, M., Moazzeni, J. G R, Jabbari, A. R. and Esmailzadeh, M. 2007. Vaccine efficacy in cattle against hemorrhagic septicemia with live attenuated aroA mutant of *Pasteurella multocida* B: 2 strain. *Journal of Cell and Animal Biology* 1:62–65.
- Tasneem, K., 1993. Studies on HS oil adjuvant vaccine prepared by dense culture of *Pasteurella multocida* Robert type 1 on improved culture media. Msc Thesis. University agriculture Faisalabad. Pakistan.
- Verma, R., Jaiswal, T.N., 1998. Haemorrhagic septicaemia vaccines. *Vaccine*.16. 1184–1192.
- Vesal, N., Maleki, M., 2000. Anaphylactic reaction following vaccination in herd of dairy cattle. *Iranian Journal of Veterinary Research* 1:60-66.
- Vogel, F.R., Adjuvants in perspective. In: Brown, F., Haaheim, L.R. (Eds.), . In: *Modulation of the Immune Response to Vaccine Antigens*. 1998. Dev. Biol. Stand., vol. 92. Karger. Basel. 241–248.
- Volk, W.A. dan Margareth. F. W.1998. *Mikrobiologi Dasar Jilid I*. Erlangga. Jakarta.
- Wijewardana, T.G., De Alwis, M.C.L., Bastiansz, H.L.G. 1986. Cultural, biochemical and pathogenicity studies on *Pasteurella multocida* isolated from carrier animals and from outbreaks of haemorrhagic septicaemia. *Sri Lanka veterinary journal*. 34:43-57.
- Wijewardana, T.G., Horagoda, N.U. , Vipulasiri, A.A., Thalagoda, S.A. 1993. Isolation and characterization *Pasteurella multocida* from tonsils of apparently healthy cattle. *Pasteurellosis in production animals. ACIAR Proc.* no.43.
- Wilson, B.A., dan Ho, M., 2013. *Pasteurella multocida* : from Zoonosis to Cellular Microbiology. *Clinical Biology Review*. Vol.26: 3. pp. 631-655. Illinois. USA.
- Yadav, M.S. and Ahooja, M.L., 1983. Immunity trials in mice, rabbits and calves with oil adjuvant vaccine against haemorrhagic septicaemia. *Ind. J. Anim. Husb.* 53, 705-708.
- Zamri-Saad, M., Saharee, A.A., 1990. The pathology of experimental haemorrhagic septicaemia in cattle. *Trop. Vet.* 8:1-7.