

DAFTAR PUSTAKA

- Appliedbiosystem. 2010. Manual Prosedur. <http://www.appliedbiosystems.com/>. [23 Desember 2018].
- Ardhiani,. F. 2012. Karakterisasi Molekuler Gen Penyandi OMP 2a Brucella abortus Isolat Lokal. Thesis. Fakultas Kedokteran Hewan, Unair:Surabaya.
- Arif, S. 2018. Tujuh Sapi di Blitar Mati Mendadak Diduga Akibat Penyakit Ngorok. <https://daerah.sindonews.com/read/1296882/23/tujuh-sapi-di-blitar-mati-mendadak-diduga-akibat-penyakit-ngorok-1523413396>. 23 Mei 2019.
- Ariyanti. T dan Supar, 2008. Kholera Unggas dan Prospek Pengendaliannya dengan Vaksin Pasteurella multocida Isolat Lokal. Wartazoa .18. 1.
- Bere, S.M. 2017. Hasil Lab Pastikan Kematian Sapi di NTT Akibat Penyakit Ngorok. Kompas. Tersedia: <https://regional.kompas.com/read/2017/02/06/19130741/hasil.lab.pastikan.kematian.sapi.di.ntt.akibat.penyakit.ngorok> . 23 Mei 2019.
- Benkirane, A and M.C.L De Alwis, . 2002. Haemorrhagic Septicaemia, Its Significance, Prevention and Control in Asia. Vet Med-Czech, 47(8): 234-240.
- Boyce, J.D., M.Harper, I.W. Wilkiie, dan B. Adler, 2010. Pasteurella In: Pathogenesis of Bacterial Infection In animal 4th Ed. Gyles C.I., Prescott,J.F., Songer,G., and Thoen C.O.(Eds), Blackwell Publishing, Ames, Iowa, USA. 325-346.
- Brown, A. 2001. Microbiological Applications Lab Manual. 8th Ed. The McGraw-Hill Companies, New York.
- Carter, G.R. and M.C.L. De Alwis. 1989. Haemorrhagic septicaemia. In: Pasteurella and pasteurellosis. Adlam, C. and J.M. Rutter (Eds.). Academic Press London. pp. 132 – 160.
- Christensen H, dan M. Bisgaard, 2010. Molecular classification and its impact on diagnostics and understanding the phylogeny and epidemiology of selected members of *Pasteurellaceae* of veterinary importance. Berl. Munch. Tierarztl. Wochenschr. 123:20–30.

- Cooper, G.M. 2000. Nuclear Gadgets in Mitochondrial DNA Replication and Transcription, Trends. Biochem, 16, 107.
- Dale, W.J., and V.M. Schantz 2003. From Genes to Genomes (concepts and application of DNA Technology). Jhon Wiley & Son Ltd. England.
- De Alwis, M.C.L. 1999. Haemorrhagic Septicaemia. ACiAR Monograph. Melbourne. 14-144.
- Djide, N, dan Sartini. 2006. Dasar-Dasar Mikrobiologi. Universitas Hasanuddin, Makassar.
- Direktorat Bina Kesehatan Hewan. 1998. Bulletin Kesehatan Hewan. BBVet Denpasar. 3: 74
- Direktorat Jenderal Peternakan dan Kesehatan Hewan, Kementerian Pertanian. 2012. Manual Penyakit Hewan Mamalia. Kementrian Pertanian. Jakarta. 270-278.
- Doughty SW, C.G. Ruffolo, and B. Adler. 2000. The type 4 fimbrial subunit gene of *Pasteurella multocida*. Vet Microbiol 72: 79–90.
- Duncan, F. 2005. MBC 1000L Applied Microbiology Laboratory Manual 4th Ed. New York : The McGraw-Hill Companies.
- Dziva, F., A.P. Muhairwa, H. Christensen, and M. Bisgaard, 2008. Diagnostic and typing options for investigating diseases associated with *Pasteurella multocida*. Vet. Microbiol. 128: 1–22.
- Ewers, C., A. Lubke-Becker, Bethe, S. Kiebling, Filter, and M.L.H. Wieler, 2006. Virulence genotype of *Pasteurella multocida* strains isolated from different hosts with various disease status. Vet. Microbiol. 114, 304-317.
- Fatchiyah, 2006. *Polymerase Chain Reaction* : dasar teknik amplifikasi DNA dan aplikasinya. Labolatorium Sentral Biologi Molekuler dan seluler. Universitas Brawijaya. Malang.
- Fitrah, I.D., Darmawi dan Rasmaidar. 2013. Isolasi *Pasteurella multocida* pada Kuda dan Sensitivitasnya terhadap Antibiotik. J.Med. Vet. 7. 2.
- Furian, T.Q., K.A. Borges, R.M. Pillati, C. Almeida, V.P. Nascimento, C.T.P. Salle, and H.L. Moraes. 2014. Identification of The capsule Type of *Pasteurella multocida* Isolates from Cases of Fowl Cholela by Multiplex PCR and Comparison with Phenotypic Methods. Bras. Cienc. Avic. 16: 31-36.

- Gaffar, S. 2007 penggunaan PCR (*Polymerase Chain Reaction*) untuk deteksi retrovirus HTLV. Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Padjadjaran. Bandung.
- Gharibi, D., R. H. H. Mohammad, G. Masoud, and K. B. Seyyedeh. 2017. Virulence gene profiles of *Pasteurella multocida* strains isolated from Cattle and Buffalo. *Vet. Arhiv.* 87: 677-690.
- Guo, D C., Y. Lu, A.Q. Zhang, J.S. Liu, D.W. Yuan, Q. Jiang, H. Lin, C.D. Si, L.D. Qu. 2012. Identification of genes transcribed by *Pasteurella multocida* in rabbit livers through the selective capture of transcribed sequences. *FEMS Microbiol Lett.* 331: 105-112.
- Guo, D C., Y. Lu, A.Q. Zhang, J.S. Liu, D.W. Yuan, Q. Jiang, H. Lin, C.D. Si, L.D. Qu. 2014. Construction and Virulence of Filamentous Hemagglutinin Protein B1 Mutant of *Pasteurella multocida* in Chickens. *JIA.* 13: 2268-2275.
- Hadioetomo, R. S. 1993. Mikrobiologi dasar dalam praktek teknik dan prosedur dasar laboratorium. Penerbit Gramedia, Jakarta.
- Harini, S.S., M. Leelombika, M.N. Shiva, and N. Satyanarayana. 2008. Optimization of DNA Isolation and PCR-RAPD Methods for Molecular Analysis of *Urginea Indica* Kunth. *IJIB.* 2 : 138 – 144.
- Harper, M., J.D. Boyce, B. Adler. 2006. *Pasteurella multocida* pathogenesis: 125 years after Pasteur. *FEMS Microbiol Lett.* 265(1):1–10.
- Hatfaludi, T., K. Al-Hasani, J.D. Boyce, and B. Adler. 2010. Outer membrane proteins of *Pasteurella multocida*. A Review. *Vet. Microbio.* 144 :1–17.
- Horadagoda NU, J.C. Hodgson, G.M. Moon, T.G. Wijewardana and P.D. Eckersall. 2002. Development of a clinical syndrome resembling haemorrhagic septicaemia in the buffalo following intravenous inoculation of *Pasteurella multocida* serotype B:2 endotoxin and the role of tumour necrosis factor-alpha. *Res Vet Sci* 72: 194–200.
- Jose, L., Sanchez-Trincado, G. P. Marta and A. R. Pedro. 2017. Fundamentals and Methods for T- and B-Cell Epitope Prediction. *J. Immunology Res.* 2017 : 1-14.
- Joshi, S., K. R. Tewari, and Singh. 2013. Comparative Immunogenicity and Protective Efficiency of Different Preparations of Outer Membrane

- Proteins Of *Pasteurella Multocida* (B:2) In A Mouse Model. Veterinar. Arhiv. 83: 665-676.
- KPDE (Kantor Pengolahan Data Elektronik). 2006. Profil Daerah dan Potensi Peternakan Kabupaten Kupang.
- Lay, W. and Bibiana. 1994. Analisis Mikroba di Laboratorium. Jakarta: Raja Grafindo Persada.
- Lefèvre, P.C., J. Blancou, R., Chermette, G., Uilernberg. 2010. Infectious and Parasitic Disease of Livestock. Lavoisier. Paris. 2 : 895-907.
- Locht, C., P. Bertin, F. D. Menozzi, and G. Renauld. 1993. The filamentous haemagglutinin, a multifaceted adhesion produced by virulent *Bordetella* spp. Mol. Microbiol. 9:653–660.
- Locht, C., P. Bertin, F. D. Menozzi, and G. Renauld. 2001. Mol. Micobiol. 9:653–660.
- Loewe, L. 2008. Genetic mutation. Nat. Edu. 1(1):113.
- Lu, Y.S., S. J. Afendis, and S. P. Pakes. 1988. Identification of immunogenic outer membrane proteins of *Pasteurella multocida* 3:A in rabbits. Infect Immun 56: 1532–1537.
- Lugtenberg, K.D., R. Van Boxel and M. De Jong. 1984. Atrophic rhinitis in swine: Correlation of *Pasteurella multocida* pathogenicity with membrane protein and polysaccharide pattern. Infect. Immun. 46: 48 – 54.
- Ogunnariwo, J.A and A. B. Schryvers. 2001. Characterization of a Novel Transferrin Receptor in Bovine Strains of *Pasteurella multocida*. J Bacteriol 183: 890–896.
- OIE, The World Organisation for Animal Health. 2009. Haemorrhagic Septicaemia.
- OIE, World Organisation for Animal Health. 2012, posting date. Manual of diagnostic tests and vaccines for terrestrial animals.
- OIE, Office International des Epizooties. 2015. *OIE Terrestrial Manual 2015*. http://www.oie.int/fileadmin/Home/eng/Health_standards/tahm/2.03.09_Fowl_Cholera.pdf.
- Ozcengiz, E. K. Kamer, B. Ozlem, and G. Ayfer. 2004. Rapid Purification of pertussis toxin (PT) and filamentous hemagglutinin (FHA) by cation-exchange chromatography. Vaccine. 22: 1570-1575.

- May, B.J., Q. Zhang, L. L. Li, M. L. Paustian, T. S. Whittam, and V. Kapur. 2001 Complete Genomic Sequence of *Pasteurella multocida*, Pm70. Proc Natl Acad Sci USA 98: 3460–3465.
- Mendes S, K. P. Carmichael, J. C. Nunnally, J. R. Glisson, I. H. Cheng and B. G. Harmon, 1994 Lesions resulting from attempted Shwartzman reaction in turkey poultlets inoculated with *Pasteurella multocida* lipopolysaccharide. Avian Dis 38:790–796.
- Miller, P.J., C.L. Afonso., J.E. Attrache., K.M. Dorsey, K., S.C. Courtney., Z, Guo D.R. and Kapczynski, D. R. 2013. Effects of Newcastle Disease Virus Vaccine Antibodies on the Shedding and Transmission of Challenge Viruses. DCI. 41: 505–513.
- Mizan, S., A. Henk, A. Stallings, M. Maier, and M. D. Lee. 2000. Cloning and Characterization of sialidases with 2-60 and 2-30 sialyl lactose specificity from *Pasteurella multocida*. J Bacteriol 182: 6874–6883.
- Mosier, D. 1993. Prevention and Control of Pasteurellosis. Pasteurellosis in Production Animals. Aciar Proceedings. 7: 55-61.
- Moustafa, A.M, T. S. Seemann, B. Gladman, M. Adler, J. D. Harper, M. D. Boyce, Bennett. 2015. Comparative Genomic Analysis of Asian Haemorrhagic Septicaemia-Associated Strains of *Pasteurella multocida* Identifies More than 90 Haemorrhagic Septicaemia- Specific Genes. Plosone. 10: e0130296.
- Nanduri, B., L.A. Shack, S. C. Burgess, and M. L. Lawrence. 2009. Proceedings: the transcriptional response of *Pasteurella multocida* to three classes of antibiotics. BMC Genomics. 10: 1-10.
- Natalia, L., dan A. Priadi. 2006. Penyakit Septicaemia Epizootica: Penelitian Penyakit dan Usaha Pengendaliannya Pada Sapi dan Kerbau Di Indonesia. Proceeding ISBN 979-8308-59-x. Bogor. 151: 53-67.
- Panjiasih, T, S. 2018. Kajian DNA Rekombinasi Pada Vaksin DNA dan Vaksin Subunit Protein. Majalah Kesehatan PharmaMedika. 10: 108-128.
- Priadi, A dan L. Natalia. 2000. Patogenesis Septicaemia Epizootica (SE) Pada Sapi/Kerbau: Gejala Klinis, Perubahan Patologis, Reisolasi, Deteksi *Pasteurella Multocida* Dengan Media Kultur Dan Polymerase Chain Reaction (Pcr). JITV. Vol 65-71.
- Priadi, A dan L. Natalia. 2002. Formulasi Vaksin Kombinasi Terhadap Infeksi *Pasteurella multocida* dan Penyakit Clostridium Pada Kerbau. Pros.

Sem Nas Teknologi Peternakan dan Veteriner, Ciawi – Bogor, 30 September–1 Oktober 2002. Puslitbang Peternakan, Bogor.. 417–420.

- Purnawijayanti, H. 2001. Sanitasi Higiene dan Keselamatan Kerja dalam Pengolahan Makanan. Kanisius. Yogyakarta.
- Qiagen, 2011. QIAamp® DNA Mini dan Blood Mini Handbook 5-ed. <https://www.qiagen.com/> [25 Oktober 2018].
- Quinn, P.J., M.E. Carter, B. Markey, and G. R. Carter. 2004. Clinical Veterinary Microbiology. Mosby, Elsevier Limited, Spain. 254-258.
- Rostinawati, T. 2008. Skrining dan Identifikasi Bakteri Penghasil Enzim Kitinase Dari Air Laut di Perairan Pantai Pondok Bali. Penelitian Mandiri. Fakultas Farmasi Universitas Padjadjaran Jatinangor.
- Rosilawati, E., R. Ratnasari, H. E . Narumi, Suryanie., W. Tyasningsih, dan W. Chusniati. 2011. Buku Ajar Mikrobiologi Veteriner I. Airlangga University Press. Surabaya. 235 – 237.
- Sakib, M.S., M.D.I Rezaul, A. K. M. H.Mahbub, and A. H. M.N. Nurun. 2014. Prediction of Epitope-Based Peptides for the Utility of Vaccine Development from Fusion and Glycoprotein of Nipah Virus Using *In Silico* Approach. *Adv. Bioinformatics*. 2014: 1-17.
- Sambrook, J., E.F. Fritsch and T. Maniatis. 1989. Molecular Cloning. A Laboratory Manual. Cold Spring Harbour Laboratory Press. New York. 6.50-6.53, 9.14-9.21.
- Sanchez-Trincado, J. L., G-P. Marta and A.R. Pedro. 2017. Fundamentals and Methods for T- and B-Cell Epitope Prediction. *J. Immunol Res*. 2017: 1-14.
- Semara, A.A.G.S.P., I.N. Ketut, dan A. Surya. 2015. Surveilans dan Monitoring Serologi SE di Wilayah Kerja Bbvet Denpasar Tahun 2012 – 2014. *Buletin Veteriner, BBVet Denpasar*. 27: 86.
- Sette, A and J. Fikes. 2003. Epitope-based vaccines: an update on epitope identification, vaccine design and delivery. *Current Opinion in Immunology*, 15: 461-470.
- Soemarno. 2003. Isolasi dan Identifikasi Bakteri Klinik. Akademi Analisis Kesehatan Yogyakarta. Departemen Kesehatan Republik Indonesia. Yogyakarta.

- Steve, K., D. Strete, M.J. Niles, and Alexander. 2004. Laboratory Exercise In Organismal and Molekuler Mncirobiology. New York : The Mc. Graw Hill.
- Sudjadi, 2008. Bioteknologi Kesehatan. Penerbit Kanisius. Yogyakarta. Hal. 94 – 99 dan hal. 131 – 43.
- Sudarsono, A. 2008. Isolasi dan karakterisasi bakteri pada ikan laut dalam spesies ikan gindara (*Lepidocibium flavobronneum*). Skripsi. Bogor: Institut Pertanian Bogor.
- Sunatmo, T. I. 2007. Eksperimen mikrobiologi dalam laboratorium. Penerbit Ardy Agency, Bogor.
- Supar, 2003. Pengembangan vaksin kholera unggas: II. Pantogenitas dan proteksi vaksin *Pasteurella multocida* isolat lokal pada itik percobaan. JITV 6: 120-125.
- Tang, X., Z. Zhao, J. Hu, B. Wu, X. Q. Cai, and H. C. He. 2009. Isolation, antimicrobial resistance and virulence genes of *Pasteurella multocida* strains from swine in China. J. Clinic. Microbiol. 47: 951-958.
- Tatum, F. M., A. G. Yersin, R.E. Briggs. 2005. Construction and virulence of a *Pasteurella multocida fhaB2* mutant in turkeys. Micro Pathog. 39: 9-17.
- Thales, Q.F., A. B. Kren, L. Vanessa, L. D. S.R. Silvio, N.D.A. Camila, P.D.N. Vladimir, T.P.S. Carlos, L.D.S.M. Hamilton. 2016 *Virulance Genes and Antimcobial Resistance of Pasteurella multocida Isolated from Poultry and Swine*. Bras. J. Mikrobiol. 211-213.
- Toth, I., P. Simerska and Y. Fujita. 2008. Recent advances in design and synthesis of self-adjuvanting lipopep-tide vaccines. Int. J. Pept. Res. Ther., 14: 333-340.
- Unnikrishnan M, R. Rappuoli and D. Serruto. 2012. Recombinant bacterial vaccines. Current Opinion in Immunology. 24:337–342.
- Van, R. 2009. What is a B-cell epitope, Methods in Molecular Biology. 524:. 3–20.
- Watt, J.M., M. M. M. Swiatlo, Wade and F.R. Champlin. 2003. Regulation of capsule biosynthesis in serotype A strains of *Pasteurella multocida*. FEMS Microbiol Lett. 225: 9-14.

- White, D.J, W.L. Jolley, C.W. Purdy and D.C. Straus. 1995. Extracellular neuraminidase production by a *Pasteurella multocida* A-3 strain associated with bovine pneumonia. *Infect Immun.* 63:1703–1709.
- Wibawan, I.W.T., D.S. Retno, C.S. Damayanti, C.S dan T. B. Tauffani. 2003. *Diktat Imunologi.* Bogor. FKH-IPB.
- Winfery, M.R., M.A. Rott and A. T. Wortman. 1997. *Unraveling DNA : molecular biology for the laboratory.* Prentice – Hall, inc., Upper Saddle River. 28: 369.
- Wijewardana, T.G., H. Mit, A.A. Vipulasiri and S.A. Thalagoda. 1993. Isolation and Characterization *Pasteurella multocida* from Tonsilsof Apparently Healthy cattle. *Pasteurellosis in Production Animals. ACIAR Proceeding* sno.43.
- Witaningrum AM. 2013. Analisis Filogenetik Gen Penyandi Katabolisme Erythritol *Brucella abortus* Isolat Lokal. Tesis S2. Program Studi Ilmu Penyakit dan Kesehatan Masyarakat Veteriner, Fakultas Kedokteran Hewan, Universitas Airlangga. Surabaya. p51.
- Wolfe, S.L. 1993. *Molecular and Cellular Biology.* Wadsworth Publishing Company. California
- Wulandari E., J. Faisal dan A. Mahdi. 2013. Kepekaan *Pasteurella multocida* yang Diisolasi dari Sapi yang Berasal dari Kabupaten Aceh Barat Terhadap Beberapa Antibiotik. *J.Med. Vet.* 7: 95-97.
- Yu, H., Chokhawala, H. Karpel, R. Wu, B. Zhang, J. Zhang, Y. Q. Jia, and Chen X. 2005. A multifunctional *Pasteurella multocida* sialyltransferase: a powerful tool for the synthesis of sialoside libraries. *J Am Chem Soc* 127: 17618–17619.
- Yuwono, T. 2006. *Teori dan Aplikasi Polymerase Chain Reaction.* Andi Offset, Yogyakarta. 1: 5-10.
- Zhang, S., X. Wang, C. Zhao, D. Liu, and Y. Hu. 2011. Phylogenetic and Pathotypical Analysis of Two Virulent Newcastle Disease Viruses Isolated from Domestic Ducks in China. *PLoS ONE.* 6: 9.