

DAFTAR PUSTAKA

- AFFA , 2000, Discussion paper on Bovine Herpesvirus 1. Agriculture, Fisheries and Forestry Australia, Canberra.
- Anonim^a, 2019, Data Operasional Pemasukan Sapi Potong Impor, Cilacap: Stasiun Karantina Pertanian Kelas I, Cilacap
- Anonim^b , 2008, Manual of Diagnostic Tests and Vaccines for Terrestrial Animals. Chapter Infectious Bovine Rhinotracheitis. pp. 752-763
- Babiuk L., A., Lawman M., J., P., and Bielefeldt Ohmann H., 1988, Adv. Virus Res. 35: 219-249.
- Bashir, S., Singh, R., Sharma, B., Yadav,S.,K., 2011, Development of a sandwich ELISA for the detection of *bovine herpesvirus* type 1, Asian Pac J Trop Med, 4(5):363– 366, doi:10.1016/s1995-7645(11)60104-1.
- Boelaert F., Speybroeck N., de Kruif A., Aerts M., Burzykowski T., MolenberghsG., Berkvens D.L., 2005, Risk factors for bovine herpesvirus-1 seropositivity, Prev. Vet.Med. 69:285–295.
- CABI, 2021, Bovine Herpesvirus 1 Infections, In : Invasive Species Compendium, Wallingford, UK : CAB International : <https://www.cabi.org/isc>.
- Deka, D., Ramneek, N.,K., Maiti, N.,K., Oberoi, M.,S., 2005, Detection of *bovine herpesvirus-1* infection in breeding bull semen by virus isolation and polymerase chain reaction, Rev. Sci. Tech. Off. Int. Epiz. (Paris), 24: 1085-1094.
- Damayanti dan Sudarisman, 2005, Patogenitas Isolat Lokal Virus BHV-1 sebagai Penyebab *Infectious Bovine Rhinotracheitis* (IBR) pada Sapi Bali, Jurnal Ilmu Ternak dan Veteriner, Vol. 10 No.
- Fraga, D., 2008, Real time PCR. In Current Protokols Essential Laboratory Techniques, New York (US) : John Wiley and Sons Inc. P 10.3.1-10.3.33
- Gibbs, E.P., Rweyemamu, M.M., 1977, Bovine Herpes Viruses. Part I, Bovine herpesvirus 1, Vet. Bull.47:317–343.
- Hage, J.J., Glas, R.D., Westra, H.H., Maris-Veldhuis, M.A., Van Oirschot, J.T., Rijsewijk, F.A., 1998, Reactivation of Laten Bovine Herpesvirus 1 in Cattle seronegative to Glycoproteins gB and gE, Veterinary Microbiology 60: 87-98
- Handoyo, D., dan Rudiretna, A., 2001, Prinsip Umum dan Pelaksanaan Polymerase Chain Reaction (PCR), Unitas 9(1): 17-29.

- Hausmann, M.F.,C.M. Vleck, and E.S. Farrar, 2007, A Laboratory Exercise To illustrate Increased Salivary Cortisol in Response to Three Stressful Conditions using Competitive ELISA. *Adv. Physiol.Educ.* 31:110-115.
- Hidayati, D.N., Srihanto, E.A., Untari, T., Wibowo, M.H., Akiyama, K., Asmara, W., 2019, The establishment of PCR amplification, cloning, and sequencing of bovine herpesvirus 1 (BHV-1) glycoprotein D gene isolated in Indonesia. *Indonesian Journal of Biotechnology* 24(1), 2019, 34–42
- Kaur, G., Chandra, M., 2016. Herpesvirus in Bovines: Importance of Bovine Herpesvirus Type 1. *INTECH Chapter 8*. DOI: 10.5772/63157
- Keuser, V., Schynts, F., Detry, F., Collard, A., 2004, Improved Antigenic Methods for Differential Diagnosis of Bovine, Caprine, and Cervine Alpha herpesviruses Related to Bovine Herpesvirus 1, *J Clin Microbiol.*, 42(3): 1228–1235, doi: [10.1128/JCM.42.3.1228-1235.2004](https://doi.org/10.1128/JCM.42.3.1228-1235.2004).
- Krampsa, A., Banksb, M., Beerc, M., Kerkhofsd, P., Perrine, M., Wellenbergf, G.J., Van Oirschotf, J.T., 2004, Evaluation of tests for antibodies against bovine herpesvirus 1 performed in national reference laboratories in Europe , *Veterinary Microbiology*, 102: 169–181
- Lemaire, M., Weynants, W., Godfroid, J., Schynts, F., Meyer, G., Letesson, J.J., Thiry, E., 2000, Effects of Bovine Herpesvirus Type 1 Infection in Calves with Maternal Antibodies on Immune Response and Virus Latency, *J Clin Microbiol*, 38(5): 1885–1894.
- Liman, A., Engels, M., Meyer, G., Ackerman, M., 2000, Glycoprotein C of Bovine Herpesvirus 5 (BHV-5) Confers a Distinct Heparin-Binding Phenotype to BHV-1. *Arch. Virol.* 145: 2047-2059.
- Mars, M.,H., de Jong, MC, van Maanen, C, Hage, JJ, Van Oirschot, JT, 2000, Airborne transmission of bovine herpesvirus 1 infections in calves under field conditions, *Vet Microbiol.* 76:1–13.
- Medina, M.,R., Sánchez,, H.D., Landa, D.A., and Valle, M.,B., 2009, Development and evaluation of a polymerase chain reaction assay to detect Bovine herpesvirus 1. *Span. J. Agric. Res*, 7(1): 59 – 66
- Murphy, F.A., Gibbs, E.P.J., Horzinek, M.C., and Student, M.J., 1999, *Veterinary Virology*. 3rd edn. New York : Academic Press.
- Muylkens, B., Thiry J., Kirten, P., Schynts, F., Thiry, E., 2007., Bovine herpesvirus 1 infection and *infectious bovine rhinotracheitis*. *Vet Res.* 38(2):181–209, doi:10.1051/ vetres:2006059.
- Naipospos, T., 2014, Permasalahan Penyakit Infectious Bovine Rhinotracheitis (IBR)

pada Sapi, <<https://www.slideshare.net/Naipospos/permasalahan-penyakit-infectious-bovine-rhinotracheitis-ibr-pada-sapi-jakarta-10-september-2014>> (diakses 31 Juli 2020).

- OIE., 2018. Chapter 3.4.1.1. Infectious Bovine Rhinotracheitis/Infectious Pustular Vulvovaginitis. OIE Terrestrial Manual 2018: pp. 1139-1157
- Parreno, V., López, M.,V., Rodriguez, D., Vena, M.,M., Izuel, M., Filippi, J., Romera, A., Faverin, C., Bellinzoni, R., Fernandez, F., Marangunich, L., 2010, Development and statistical validation of a guinea pig model for vaccine potency testing against *infectious bovine rhinotracheitis* (IBR) virus. *Vaccine*. 28(13):2539– 2549, doi:10.1016/j.vaccine.2010.01.035.
- Payment, P., Assaf, R., Trudel, M., Marois, P., 1979. Enzymelinked immunosorbent assay for serology of infectious bovine rhinotracheitis virus infections. *J Clin Microbiol*. 10(5):633–636.
- Raaperi, K., Orro, T., Viltrop, A., 2014, Epidemiology and control of bovine herpesvirus 1 infection in Europe. *Veterinary Journal*, 201(3), 249–256. <https://doi.org/10.1016/j.tvjl.2014.05.040>.
- Radostits, O., Gay, Hinchcliff, K., Constable, P, 2006, A Textbook of the Diseases of Cattle, Sheep, Pigs, Goats and Horses *Veterinary Medicine*., 10th Edition. 51(5): 541
- Rola, J., M., Larska, and Polak, M.,P., 2005, Detection of bovine herpesvirus-1 from an outbreak of infectious bovine rhinotracheitis. *Bull. Vet. Inst.Pulawy*. 49: 267-271.
- Rola, J., M.,P., Polak., Zmudzinski, J.,F., 2003, Amplification of DNA of BHV-1 isolated from semen of naturally infected bulls. *Bull, Vet. Inst. Pulawy*. 47: 71-75
- Saepulloh, M., Adjid, R.,M.,A., 2010, Isolasi dan identifikasi bovine herpesvirus-1 pada sapi perah dan potong di Indonesia, *Jurnal Ilmu Ternak dan Veteriner*, 19(2):376–387.
- Saepulloh, M., Wibawan, I.,W.,T., Sajuthi, D., Setyaningsih, S., 2009, Karakterisasi molekuler bovine herpesvirus type 1 isolat Indonesia, *Jurnal Ilmu Ternak dan Veteriner*, 14(1):66–74.
- Saepulloh, M., Adjid, R.,M.,A., Wibawan, I.,W.,T 2008, Pengembangan *Nested* PCR Untuk Deteksi bovine herpesvirus-1(BHV-1) pada Sediaan Usap Mukosa Hidung dan Semen asal Sapi, *Jurnal Ilmu Ternak dan Veteriner*, 13(2):155–164.
- Sarosa, A. 1985. Kajian Prevalensi Serologi Penyakit Infectious Bovine

Rhinotracheitis pada Sapi dan Kerbau di Beberapa Daerah di Indonesia.
Thesis. Universitas Gadjah Mada, Yogyakarta.

Seminar Nasional Agroinovasi Spesifik Lokasi Untuk Ketahanan Pangan Pada Era Masyarakat Ekonomi ASEAN, 2016, Penanggulangan Gangguan Reproduksi Sapi Bibit Melalui *Screening* Serologis Penyakit *Infectious Bovine Rhinotracheitis* (IBR) pada Sentra Peternakan Rakyat (SPR) Kecamatan Tanjung Sari, , Yulianti E., Balai Veteriner Lampung.

Silim, A. and Elazhary, M.A.S.Y., 1983, Detection of infectious bovine rhinotracheitis and bovine viral diarrhoea viruses in the nasal epithelial cells by the direct immunofluorescence technique. *Can. J. Comp. Med.*, 47 : 18--22.

Smits, C., B., Maanen, C., vanGlas., R., D., Gee A., L., W., de Dijkstrab T., Oirschot, J., T., van Rijsewijk, F., A., M., 2000, Comparison of three polymerase chain reaction methods for routine detection of bovine herpesvirus 1 DNA in fresh bull semen, *Journal of Virological Methods*, 85(1/2), 65-73. doi: 10.1016/S0166-0934(99)00153-6.

Spilki, F., R., Esteves, P., A., de Lima, M., Franco, A., C., Chiminazzo, C., Flores, E., F., Weiblen, R., Driemeier, D., Roehle, P., M., 2004, Comparative pathogenicity of bovine herpesvirus 1 (BHV-1) subtypes 1 (BHV-1.1) and 2a (BHV-1.2a). *Pesqui Vet Bras*, 24(1):43–49, doi:10. 1590/s0100-736x2004000100010.

Straub, O.C. 1991. BHV-1 infectious: relevance and spread in Europe. *Comp. Immunol. Microbiol. Infect. Dis.* 14:175-186.

Sudarisman. 2003. Penyakit *Infectious Bovine Rhinotracheitis* (IBR) pada Sapi di Lembaga-lembaga Pembibitan Ternak di Indonesia. *Wartazoa.. Balai Penelitian Veteriner, Bogor* 3:13

Sulandari, S., dan Zein, M.S., 2003, Panduan Praktis Laboratorium DNA, LIPI, Bogor. hal 78-87

Tizard, I.R., 1987, Pengantar Immunologi Veteriner, Editor penerjemah: Hardjosworo, Soehardjo, Bogor: Airlangga University Press, 9, 198-190

Thiry, E., Saliki, J.T., Bublot, M., Pastoret, P.P., 1987, Reactivation of Infectious bovine Rhinotracheitis virus by Transport. *Comparative Immunology, Microbiology and Infectious Diseases*, 10: 59-63

Thiry, J., Keuser, V., Muylkens, B., Meurens F., Gogev, S., Vanderplasschen, A., Thiry, E., 2006, Ruminant alphaherpesviruses related to bovine herpesvirus 1, *Vet. Res.* 37 (2006) 169–190 169, DOI: 10.1051/vetres:2005052

Turin, L, Russo, S, Poli, G. 1999. BHV-1: New molecular approaches to control a common and widespread infection. *Mol Med.* 5(5):261–284. doi:10.1007/

bf03402063.

- Tyler KL, Nathanson N, 2001, Pathogenesis of viral infections. In: Knipe DM, Howley PM (eds) *Fields' virology*, 4th edn. Lippincott Williams & Wilkins, Philadelphia, pp 199.
- Van Engelenburg, F.A., Maes, R. K., Van Oirschot, J. T. and Rijsewijk, F. A., Development of a Rapid and Sensitive Polymerase Chain Reaction Assay for Detection of Bovine Herpesvirus Type 1 in Bovine Semen, *J Clin Microbiol.*31(12): 3129–3135.
- Van Oirschot, J.T., Straver, P.J., Van Lieshout, J.A., Quak, J., Westenbrink, F., Van Exel, A.C., 1993, A Subclinical Infection of Bulls With *Bovine Herpes Virus* Type 1 at An Artificial Incemination Centre, *Vet Rec*, 32-35
- Van Oirschot, J.T., Kaashoek, M.J., MarisVeldhuis, M.A., Weerdmeester, K., Rijsewijk F.A.M., 1997, An Enzyme-linked Immunosorbent Assay to Detect Antibodies Against Glycoprotein gE of Bovine Herpesvirus 1 Allows Differentiation Between Infected and Vaccinated Cattle, *J. Virol. Methods*, 67:23–34.
- Vilcek, S., 1993, Detection of The Bovine herpes Virus- 1 (BHV-1) Genome by PCR. *J. Virol. Meth*, 41(2):245-247.
- Viljoen, G.J., Nell, L.H., dan Crowther, J.R., 2005, *Molecular Diagnostic PCR Hand Book*, Springer, IAEA-FAO
- Vogel, F.S.F., Flores, R., Weiblen, E.R., Winkelmann, M.P., Moraes and. Raganca, J.F.M., 2004. Intrapreputial infection of young bulls with Bovine herpesvirus type 1.2 (BHV-1.2): Acute balanoposthitis, latent infection and detection of viral DNA in regional neural and non-neural tissues 50 days after experimental reactivation. *Vet. Microbiol.* 98: 185 – 196.
- Zhu, L., Thompson, J., Eudy J., Jones, C., 2017, Effects of the synthetic corticosteroid dexamethasone on bovine herpesvirus-1 productive infection, *Virology*, 505:71–79. doi:10.1016/j.virol.2017.02.012.