

DAFTAR PUSTAKA

- Anonim. 1932. Ned. Indische Bladen Voor Diergenees Kunde, XLVI: 77.
- Anonim. 2002. www.who.int/vaccines-documents. Akses tanggal 29 April 2017
- Anonim. 2012. *Avibacterium paragallinarum*. VetBact. <http://www.vetbact.org/vetbact/index.php?artid=136&vbsearchstring=avibacterium>. Akses tanggal 29 Januari 2017.
- Akhtar, S., Bhatti, A. R. and Muhammad, K. 2001. Clinico-Therapeutic Observations On An Outbreak of Infectious Coryza. *Int. J. Agri. Biol.* 3: 531-532.
- Akter S. 2012. Isolation and Identification of *Avibacterium paragallinarum* from Layer Chickens. A Thesis. Department of Pathology, Bangladesh Agriculture University. Pp 58-60.
- Akter, M. R., Khan, M. S. R., Rahman, M. M., Khan, M. A. S. and Kabir, S. M. L. 2013. Investigation on Infectious Coryza of Layer Chicken in Bangladesh with Isolation, Identifiaction and Antibiogram Study. *Sci. J. of Vet. Adv.* 2(6): 83-89.
- Ariyanti, T. dan Supar. 2007. Pengendalian Coryza Infeksius pada Ayam. *Wartazoa* Vol. 17 No. 4. Pp.185-191.
- Blackall, P. J. And G. G. Reid. 1982. Further Characterization of *Haemophilus paragallinarum* and *Haemophilus avium*. *Vet. Microbiol* (7): 359-367.
- Blackall, P. J., L. E. Eaves and G. Aus. 1990. Serotyping of *Haemophilus paragallinarum* by the Page Scheme: Comparison of the Use of Agglutination and Haemagglutination-Inhibition Test. *Av. Dis.* (34): 643-645.
- Blackall, P. J., 1995. Vaccine Against Infectious Coryza. *World's Poultry Science Journal*, Vol. 51: 17-25.
- Blackall, P. J., M. Matsumoto, and R. Yamamoto. 1997. Infectious Coryza. In: Disease of Poultry. Edited by B. W. Calnek, H. J. Barnes, C. W. Beard, L. R. McDougald, and Y. M. Saif. Ames. LA. Iowa State University Press. pp. 179-190
- Blackall, P. J. 1999. Infectious Coryza: Overview of The Disease and New Diagnostic Option. *Clin. Microbiol. Rev.* (12): 627-632.

- Blackall, P. J. and M. Matsumoto. 2003. Infectious coryza in Disease of Poultry. Edisi ke- 11. Saif Y.M., Barnes H.J., Glisson J.R., Fadly A.M., McDougald L. R. dan Swayne D.E (eds). Iowa State University Press. (20): 691-699.
- Blackall., P. J., H. Christensen, T. Beckenham, L.L. Blackall and M. Bissgard. 2005. Reclassification of *Pasteurella gallinarum*, [*Haemophilus*] *paragallinarum*, *Pasteurella avium*, and *Pasteurella volantium* as *Avibacterium* gen. nov., comb. nov., *Avibacterium paragallinarum* comb. nov., *Avibacterium volantium* comb. Nov. *Int. J. Syst. Evol. Microbiol.* (55):353-362.
- Blackall., P. J. 2008. A Laboratory Manual for The Isolation, Identification and Characterization of Avian Pathogens. Edisi ke- 5. Swayne, D. E., Glisson, J. R., Pearson J. E., Reed, W. M., Jackwood M. W. and Woolcock P. R.(eds). American Association of Avian Pathologists, Athens.pp. 22-26.
- Blackall, P. J. and E. V. Soriano. 2008. Infectious Coryza and Related Bacterial in: *Infectious Disease of Poultry*. Edisi ke- 12. Blackwell Publishing Chapter (20): 789-803.
- Blackall, P.J. dan Hinz, K. 2008. Chapter 11: Infectious Coryza and Related Disease. In: *Poultry Disease*, Edisi ke- 6. Pattison, M., McMullin, P.F., Bradbury, J.M. dan Alexander D.J. (eds).Pp: 343.348.
- Blackall, P. J. 2011. Infectious coryza in: *Isolation and Identification of Avian Pathogen*. Kendall/Hunt Publishing Company, Iowa. (6): 22-26.
- Blackall, P. J. dan Soriano-Vargas, E. 2013. Chapter 11: Infectious Coryza and Related Bacterial Infection Edisi ke- 13. Swayne, D. E. (ed). John Wiley & Sons. India. Pp. 859-873.
- Bragg, R. R., L. Coezee and J. A. Verschoor. 1993. Plasmid Encoded NAD Independence in Some South African Isolates of *Haemophilus paragallinarum*. *On. J. of Vet. Res.* (60): 147-152.
- Bragg, R. R., 2002. Virulence of South African Isolates of *Haemophilus paragallinarum*. Part 1: NAD-dependent field isolates. *On. J. of Vet. Res.* (69): 163-169.
- Brown A. 2001. Benson: Microbiological Applications Lab. Manual. Edisi ke-8 . McGraw-Hill Companies.USA

- Charlton, B. R., Bermudez, A. J., Halvarson, D. A. Schrader, J. S., Newman, L. J., Sander, J. E. and Wakenell, P. S. 2006. Avian Disease Manual. Edisi ke-6. American Association of Avian Pathologist, United States of America. 90-92.
- Chukiatsiri, K., Jiroj S., Wantanee N. and Niwat C. 2009. Efficacy of Autogenous Killed of *Avibacterium paragallinarum*. Avian Diseases. American Association of Avian Pathologist (53) Pp. 382-386
- Chukiatsiri, K. 2011. Virulence Factors of *Avibacterium paragallinarum* Isolat from Chickens in Thailand. Dissertation. Department of Veterinary Medicine, Faculty of Veterinary Science, Chulangkorn University.
- Cutler, G. J. 1994. Coryza Control in Layers. Poultr. International. 33:56
- De Blicck, I. 1932. A Haemophilic Bacterium as The Cause of Contagius Catarrh of the Fowl. *Vet. J.* (88): 9-13.
- Delapane, J. P., L. E. Erwin and H. O. Stuart. 1934. A Hemophilic bacillus The Cause of an Infectious Rhinitis (Coryza) of Fowl. *Rhode Island Agr. Expt. Sta. Bull.* 244
- Dinev, I. 2007. Disease of Poultry: A Colour Atlas. Edisi Pertama. *Ceva Sante Animal.* Bulgaria.
- Droual, R., A. A. Bickford, B. R. Charlton, G. L. Cooper and S. E. Channing. 1990. Infectious Coryza in Meat Chickens in The San Joaquin Valley of California. *Av. Dis.* (35): 803-807.
- Eaves, L. E., D. G. Rogers and P. J. Blackall. 1989. Comparison of Hemagglutinin and Agglutinin Scheme for The Serological Classification of *Haemophilus paragallinarum* and Proposal of A New Hemagglutinin Serovar. *J. Clin. Microbiol.* (27): 1510-1513.
- El-Sawah, A. M., Soliman, Y. A. and Shafey, S. M. 2012. Molecular Characterization of *Avibacterium paragallinarum* Strains Used in Evaluation of Coryza Vaccine in Egypt. *J. Am. Sci.*8(3): 253-263.
- Elliot, C. P. and M. R. Lewis. 1934. Haemophilic Bacterium as The Cause of Infectious Coryza in the Fowl. *J. Am. Vet. Med. Assoc.*(84):878-888.
- Gordon, R. F. and F. T. W. Jordan (ed). 1982. Infectious coryza (*Haemophilus gallinarum*; *H. paragallinarum*). In: *Poultry Disease*. Edisi ke-2. Bailliere Tindall. London. Pp. 48-50.

- Garcia,. A., Romo, F., Ortiz A. M and Blackall P. J. 2008. The Vaccine-Challenge Trial: The Gold Standard Test to Evaluate the Protective Efficacy of Infectious Coryza Vaccine. *Av. Pathol.* 37(2): 183-186.
- Hakim, A., R. Maharis, Kartini D., Maizir A., Hayati M., Syaefurrosad M., Amijaya D., Istiyaningsih dan Sarji. 2010. *Buletin Pengujian Mutu Obat Hewan* No. 15. Bogor.
- Haunshi S., Dutta B., and Saxena S. C. 2006. An Outbreak of Infectious Coryza in Vanaraja Poultry of Meghalaya. *Ind. J. Vet. Pathol.*, 30(1): 55.
- Istiyansih. 2014. Kajian Pengujian Mutu Vaksin Coryza dan Kejadian Penyakit di Lapangan. *Buletin Pengujian Mutu Obat Hewan*. No. 21.
- Jacobs, A. A. C and J. van der Werf. 2000. Efficacy of a commercially available coryza vaccine against challenge with recent South African NAD-independent isolates of *Haemophilus paragallinarum* in chickens. *S.Afr. Vet. Ass.* 71(2):109-110.
- Jaswinder, K., Banga H. S, Sood N. K., Kuldip G. and Amarjit S. 2005. Pathological on Naturrally Occuring Infectious CoryzaI Chicken.. *Ind. J. Animal. Sci.*, 75(2): 462-465.
- Kamplan, M. L and L. Kaplan. 1932. The Gram Stain and Differential Staining. New York: Bureau of Laboratories, Department of Health.
- Kato, K. and Tsubahara H. (1962). Infectious Coryza in Chickens. VI. Hemagglutinating properties of *Haemophilus gallinarum*. *Japanese J. Vet. Sci.* (27).pp 457.
- Kume, K., A. Sawata ,Y. Nakase and Matsumoto, M. 1983. Serological Classification of *Haemophilus paragallinarum* with Hemagglutinin system. *J. Clin.Microbiol.* (17).pp. 958-964.
- Kusumaningsih, A. dan Poernomo, S. 2000. Infeksius Coryza (Snot) pada Ayam di Indonesia. *Wartazoa*. Vol. 10(2): 72-76.
- Lay, B. W., 1994. Analisis Mikroba di Laboratorium. PT. Raja Grafindo Persada. Jakarta. pp. 9-11.
- Leboffe, M. J and Pierce B. E. 2011. A Photographic Atlas for The Microbiology Laboratory. Edisi ke- 4. Morton Publishing Company, United States of America. pp. 63-96.

- Markey, B., Leonard, F., Archambault, M., Culliname, A. and Maguire, D. 2013. Clinical Veterinary Microbiology. Edisi ke- 2. Mosby Elsevier, China. Pp.13.
- Matsumoto, M and Yamamoto R. (1975). Protective Quality of and Alumunium Hydroxide Absorbed Broth Bacterin Against Infectious Coryza. *Am. J. Vet. Res.* (36).pp. 576-582.
- McMullin, P. 1998. Diagnosis, Management and Control of Avian Pneumovirus Infection in Broiler Parent Chickens. *FACTA Symposium*, Brazil.
- McGavin, M. D. dan James F. Z. 2007. Pathologic Basis of Veterinary Disease. Edisi ke-4. Mosby Elseiver. St. Louis, Missouri. Pp:12-14, 104-106.
- Mouahid, M., M. Bisgaard, A. J. Morley, R. Mutters and W. Mannheim. 1992. Occurence of V-factor (NAD) Independent Strains of *Haemophilus paragallinarum*. *Vet. Microbiol.*(31): 363-368.
- Page, L. A. 1962. *Haemophilus* infections in Chickens: I. Characteristics of 12 *Haemophilus* Isolates Recovered from Disease Chickens. *Am. J. Vet. Res.* (23): 85-95.
- Pelezar, M. J., and E. C. S. Chan. 2006. Dasar-dasar Mikrobiologi. Penerjemah: Hadieoetomo, Ratna S. Judul buku asli: *Element of Microbiology*. Penerbit Universitas Indonesia. (UI Press). Jakarta.
- Poernomo, S., Sutarma dan Yapto Z. 1997. *Haemophilus paragallinarum* pada Ayam di Indonesia: II.Sifat-sifat Fisiologik dan Biokimiawi Isolat *Haemophilus spp.* dari Ayam Sakit. *Jurnal Ilmu ternak dan Veteriner* Vol. 2 No.4. pp. 263-266.
- Poernomo, S., Sutarma, M. Raffie dan P.J. Blackall. 2000. Characterisation of Isolates of *Haemophilus paragallinarum* from Indonesia. *Aus. Vet. J.* 78(11): 759-762.
- Prescott H. 2002. Laboratory Exercise in Microbiology. Edisi ke- 6. McGraw-Hill Companies. USA, pp. 43-83.
- Priya, P. M., S. V. Krishna, V. Dineskumar and M. Mini. 2012. Isolation and Characterization of *Avibacterium paragallinarum* from Ornamental Birds in Thissur, Kerala. *Int. J. Life. Sci.*1(3):87-88.
- Quinn, P. J., B. K. Markey, M. E. Carter, W. J. C. Donnelly and F. C. Leonard. 2002. *Veterinary Microbiology and Microbial Disease*. Blackwell Publishing. Australia. pp.147-148.

- Quinn, P. J., B. K. Markey, Leonard, F. C., Fitzpatrick, E. S., Fanning, S. and Hartigan, P. J. 2011. *Veterinary Microbiology and Microbial Disease*. Wiley-Blacwell, Iowa. 451-460.
- Rimler, R. B., R. B. Davis, R. K. Page. 1977. Infectious coryza: cross protection studies using seven strains of *Haemophilus paragallinarum*. *Am. J. Vet. Res.*(38):1587-1589.
- Rubin., B. K. 2014. Secretion Properties, Clearance and Therapy in Airway Disease. *A Springer Open Journal* (2): pp.1-7.
- Salle, A. J. 1954. *Fundamental Principles of Bacteriology*. Edisi ke- 4. McGraw-Hill Book Company Inc.,New York.
- Sameera, A., Asif R. B., and Khushi M. 2001. Clinico-Therapeutic Observation on an Outbreak of Infectious Coryza. *Int. J. Agri. Biol.*, 03(04):531-532.
- Sandoval, V. E., H. R. Twerzolo and P. J. Blackall. 1994. Complicated Infectious Coryza Cases in Argentina. *Av. Dis.* (38): 672-678.
- Sawata, A., K. Kume and Y, Nkakase. 1979. Antigenic Structure and Relationship between serotypes 1 dan 2 of *Haemophilus paragallinarum* *Am. J. Vet. Res.*(41):1901-1904.
- Sawata, A., K. Kume, Y. Nakase. 1980. Biologic and Serologic Relationships Between Page's and Sawata's Serotype of *Haemophilus paragallinarum*. *Am. J. Vet. Res.* (41): 1901-1904.
- Sawata, A., K. Kume, Y. Nakase. 1982. Hemagglutinin of *Haemophilus paragallinarum* serotype 2 organisms occurrence and immunologic properties of hemagglutinin. *Am. J. Vet. Res.* (43): 1311-1314.
- Schalm O. W. and R. J. Beach. 1936. Cultural Requirements of The Fowl Coryza Bacillus. *J. Bact.* (31): 161-169.
- Shane, S. M. 1998. *Buku Pedoman Penyakit Unggas*. American Soybean Association. Indonesia. 95-97.
- Shane, S. M. 2005. *Handbook on Poultry Disease*. American Soybean Association, Singapore. 99-100.
- Soriano, V. E., Longinos G. M., Fernandez R. P. and Velasquez Q. E. 2004. Virulence of the Nine Serovar Reference Strains of *Haemophilus paragallinarum*. *Av. Dis.* 48(4): 886-889.

- Suwito, W., Poernomo S. dan Sutarma. 2002. Teknologi Pengendalian Penyakit Snot (*Coryza*) pada Ayam dengan Vaksin Trivalen (*Haemophilus paragallinarum* serotipe A, B dan C) Isolat Lokal. Pros. Seminar Nasional Teknologi Peternakan dan Veteriner.
- Tabbu, C. R. 2000. Penyakit Ayam dan Penanggulangannya. Vol. 1. Penerbit Kanisius, Yogyakarta. 14-20.
- Tarmudji. 2005. Penyakit Pernafasan pada Ayam, Ditinjau dari Aspek Klinik dan Patologi serta Kejadiannya di Indonesia. *Wartazoa*. 15: 72-83.
- Vargas, E. S. dan H. R. Terzolo. 2004. *Haemophilus paragallinarum*: Etiology of Infectious Coryza. *Vet. Mex.* 35 (3): 245-255
- Vegad, J. L. and Katiyar, A. K. 2008. A Textbook of Veterinary Special Pathology. International Book Distributing Co, Delhi. 304-306.
- Wu, Jin-Ru, Ping-Yi Chen, Jui-Hung Shien, Ching-Lin Shyu, Happy K. Shieh, Fany Chang and Poa-Chun Chang. 2010. Analysis of the Biosynthesis Genes and Chemical Components of the Capsule of *Avibacterium paragallinarum*. *Vet. Mic.* (145): 90-99.
- Yamaguchi, T., Y. Iritani and Y. Hayashi. 1988. Serological Response of Chickens Either Vaccinated or Artificially Infected with *Haemophilus paragallinarum*. *Av. Dis.* (32): 308-312.
- Yamaguchi, T., Iritani, Y and Hayashi, Y. 1989. Hemagglutinating Activity and Immunological properties of *Haemophilus paragallinarum* Field Isolates from Japan. *Av. Dis.* (33). Pp. 511-515.
- Yamamoto, R. 1972. Infectious Coryza. In: *Disease of Poultry*, Edisi ke- 6. Hofstat, M. S., H. J. Barnes, B. W. Calnek, W. M. Reid and H. W. Yoder Jr (eds). Iowa State University Press: Ames. Iowa. USA. Pp: 225-232.
- Yamamoto, R. 1984. Infectious Coryza. In: *Disease of Poultry*, Edisi ke- 8. M. S. Hofstat, H. J. Barnes, B. W. Calnek, W. M. Reid and H. W. Yoder Jr (eds). Iowa State University Press: Ames. Iowa. USA. Pp:178-186.
- Yamamoto, R. 1991. Infectious Coryza. In: *Disease of Poultry*, Edisi ke- 9. M. S. Hofstat, H. J. Barnes, B. W. Calnek, W. M. Reid and H. W. Yoder Jr.(eds) Iowa State University Press: Ames. Iowa. Pp. 186-195.
- Zanella, A. 2007. Poultry Disease Manual: Characteristics and Control of Infections. Neuva.



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**EFEKTIVITAS VAKSIN INFECTIOUS CORYZA TETRAVALEN PADA AYAM PETELUR YANG
DITANTANG *Avibacterium*
paragallinarum SEROTIPE C-2 (MODESTO) TERHADAP GEJALA KLINIS DAN PERUBAHAN
PATOLOGIS SERTA TIMBULNYA
RESPON KEKEBALAN**

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Zhao-Qin, Sun-YaNi, Zhang-Xing Xiao, Kong-YiBo, Xie-ZhinJing, Zhu-Yanli,
Zhou-EnMin and Jiang-Shijh. 2010. Evaluation of Experimental
Infection Models for *Avibacterium paragallinarum*. *Vet. Microbiol.*
141(1/2): 68-72.