

DAFTAR PUSTAKA

- Anonim, (2002), Hyperimmune egg background <http://www.Hyperimmuneegg.org/background.html> (4 Maret 2002).
- Akdur, O., Ozhan, S., Koyuncu, M., dan Ikichi M., (2011), A forgotten diagnosis in emergency departemen tetanus. *Bratisl lek listy*. 112(8): 469–471.
- Asturi, A.A., (2006), Purifikasi dan Karakterisasi Immunoglobulin Y (Igy) Kuning Telur Ayam Spesifik Salmonella Enteritidis Menggunakan Metode Sodium Dodecyl Sulphate Poly Acrilamide Gel Electrophoresis (SDS-PAGE). Institut Pertanian Bogor, Bogor.
- Babu, U., Scott, M., Myres, M.J., Okamura, M., Gaines, D., Yancy, H.F., Lillehoj, H., Heckert, R.A., dan Raybourne, R.B., (2003), Effects of live attenuated and killed salmonella vaccine on t-lymphocyte mediated immunity in laying hens. *Vet Immunol Immunopathol* 91(1) :39–44.
- Beisel, W.R., (1982), Single nutrients and immunity. *Am J Clin Nutr* Vol 35(2): 417–464.
- Bizzini, B., (1993), *Clostridium tetani. Patogenesis of Bacterial Infections in Animal*, Ed. ke 2, USA Iowa State University Press
- Bogoyavlensky, A.P., V.E. Bersin and VP. Tolmachva., (1999), Immunogenicity of influenza glicoprotein with different forms of supramolecular organization in hens. *Balt. J. lab. anim. Sci.* 44: 99–105
- Breggeman, H., Baumer, S., WF. Fricke., A. Wiezer., H. Liesegang., I. Decker., C. Hezberg., RM. Arias., R. Merki., A. Henne and G. Gottschalk, (2003), The Genome sequense of *Clostridium tetani*, the causative agents of tetanus disease. *PNAS* 100 (3): 1316–1321
- Carlander, D., (2002), Avian IgY antibody, invitro and invivo. Dissertation. Acta Universitatis Upsaliensis. Upsala
- Chang H.M, Ou-Yang RF, Chen YT, Chen CC., (1999), Productivity and some properties of immunoglobulin specific against *streptococcus mutans* serotype C in chicken egg yolk (IgY). *J Agric Food Chem* 47: 61–66
- Conn, E.E.P.K. Stumpf, G. Bruening and R.H. Doi., (1987), Outlines of Biochemistry. New York : John Weley dan Sons
- Davalos P.L, Ortego V.J.L, Bastos G.D, Hodalgo A.R., (2000), Collodial stability of IgY coated latex microspheres. *Colloids and surfaces B. Biointerfaces*. 20 (2): 165–175.

- Davis C, Reeves R, (2002), *High value opportunities from the chicken egg*. A report for the rural industries research and development corporation. RIRDC Pub.
- Debes, S.A., and A Kirksey., (1979), Influence of dietary pyridoxine on selected immune capacities of rat dams and pups. *J. Nutr.*109: 744–250.
- Farar J, Yen I, Cook T, Fairweather N, Binh N, Parry J., (2000), Tetanus, *J. Neurol Neurosurg Psychiatry*;69: 292–301.
- Halimah L.S., (2001), Kajian serum kelinci poliklonal spesifik terhadap imunoglobulin ayam untuk pengembangan diagnostika. *Thesis Program Pascasarjana-IPB*. Bogor.
- Hamal, K.R., Burgess, S. C. Pevzner, I. Y. and Erf G. F., (2006), Maternal Antibody Transfer from Dams to Their Egg Yolks, Egg Whites, and Chicks in Meat Lines of Chickens. *Poult Sci* 2006. 85:1364–1372
- Hatta H, Tsuda K, Akachi S, Kim M, and Yamamoto T., (1993), Productivity and some properties of egg yolk antibody (IgY) against human rotavirus compared with rabbit IgG. *Biosci Biotechnol Biochem* 57: 450–454.
- Hau, J. and Hendriksen, C.F.M., (2005). Refinement of Polyclonal Antibody Production by Combining Oral Immunization of Chickens with Harvest of Antibodies from the Egg Yolk. *J. ILAR*. 46(3) (online issues).
- Hayden, A.R. (1981), *Use of Antisera to Heat Stable Antigen for Species Identification in Troughly Cooked Beef Sausages*, *J. Food sci*, 46;1810-1913.
- Hirai, K.,H. Arimitsu.,K Umeda., K Yokota.,L. Shen ., K. Ayada ., Y. Kodama., T. Tsuji., Y. Hirai and. K.Oguma.,(2010), Passive oral immunization by egg yolk immunoglobulin (IgY) to *Vibrio Cholerae* efectively prevents cholera. *Acta Med.Okayama*. 64 (3) 163–170
- Ian Tanu, dkk. 1969. *Farmakologi dan Terapi*. Penerbit FK Universitas Indonesia. Jakarta. Halaman : 595–596.
- Johnson and Delaney, C., 1996, *Exotic Animal Companion Medicine Handbook for Veterinarians*, Zoological Education Network.
- Kermani, AV., T. Moll.,BR. Cho., WC.Davis and YS. Lu., (2001) effects of IgY antibodi on the development of marek's disease. *Avian Dis*. 20: 32-41
- Khare, M.L.,S Kumar and J. Gru., (1996) immunoglobulins of the chicken antibody to newcastle Disease Virus (Muktewwar and F Strain). *Polutry Sci*.55-159.

- Kresno, S.B., (1984) *Imunologi : Diagnosis dan prosedur Laboratorium*. Penerbit Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Kumar, M., and a.E. Axelrod., (1968) Cellular antibody Sythesis in Vitamin B6-deficient rats. *J. Nutr.* 96: 53-59
- Lehninger , A.L., (1982) *principles of Biochemistry*. Worth Publisher, Inc
- Li-Chan, ECY., (2000), Aplication of egg Immunoglobulins in Immunoaffinity Chromatography Egg Nutrition and Biotechnology. Faculty of Agricultural Sciences, Univ.of British Columbia, CAB International:Canada,p:323–337
- Li X., T. Nakano., HH. Sunwood., BH. Paek., HS. Chae and JS. Sim., (1998) Effects of egg and yolk weighst on yolk antibody (IgY) production in laying chickens *Poult Sci.* 77 : 266–270
- Linder, M.C., (1992), *Biokimia Nutrisi dan Metabolisme* (Parakhasi, Penerjemah) UI Press, Jakarta
- Mahadewa, T.G.B., Maliawan, S., (2009), *Diagnosis & Tatalaksana Kegawat Daruratan Tulang Belakang*. Jakarta: CV Sagung Seto.
- Martin, D.W., P.A. Mayes, V.W. Rodwell and D.K. Granner., (1985). *Harper's Review of Biochemistry*. (Alih Bahasa: Iyan Darmawan). Jakarta: penerbit E.G.C.
- Moeljoharjdjo, D.S., (1988), *Biokimia Umum II*. Laboratorium Biokimia FMIPA – Institut Pertanian Bogor
- Mustopa, A.Z. (2004), Peran imunoglobulin Y (IgY) sebagai anti adhesi dan opsonin untuk pencegahan serangan *Escherichia coli* Enteropatogenik (EPEC) K 1.1. [Tesis]. Bogor : Sekolah Pascasarjana, Institut Pertanian Bogor.
- Narat, M., (2003), Production of Antibodies in Chickens. *Food Technol. Biotechnol* (3):259–267.
- Patterson, R., Younger, J.S., Weigle, W.o. (1962), The metabolism of serum proteins in the hen and chick and chick and secretion of serum proteins by the ovary of the hen In *The Journal of General Physiology*, (45), p.501–513.
- Pleazar, J. Michael dan Chan, E.C.S., (1988). *Dasar-Dasar Mikrobiologi Jilid 1*. Jakarta: Universitas Indonesia.
- Rose M.E. & Orlans E., (1981), Immunoglobulins in the egg, embryo, and young chick. *Dev. Comp. Immunol.*, 5, 15–20.

- Schade, R., Hlinak, A., (1996), Egg yolk antibodies, state of the art and future prospects. *ALTEX* 139(5):5-9.
- Scott, M.L., M.C., Neishem and R.J. Young., (1982) *Nutrition of the chickens* (3rd ed). Ithaca, New York : M.L. Scoot & Associates.
- Sharma JM (1997). The Structure and Function of The Avian Immune System. *Acta Vet. Hung.* 45 : 229–238
- Shimizu M, Nagashima H, Sano K, Hashimoto K, Ozeki M, Tsuda K, Hatta H. (1992), Molecular stability of chicken and rabbit immunoglobulinG. *Biosci Biotechnol Biochem* 56, 270–274.
- Sikar, S.H.S. (1987) *Peranan Bursa Fabricus Dalam Produksi Antibodi Terhadap Antigen NDV Pada ayam Kampung dan White Leghorn*. Disertasi. Fakultas Pascasarjana, Institut Pertanian Bogor.
- Silitonga, P.M., (1992), Pengaruh Piridoksin Terhadap Sintesis Antibodi Pada Ayam Broiler. *MS – Thesis*, Institut Pertanian Bogor.
- Silitonga, P.M., M.Simorangkir dan M.Silitonga.,(1996),*Pengaruh Piridoksin Terhadap Kadar Immunoglobulin, DNA dan RNA Pada Ayam Broiler* , Laporan Hasil Penelitian Proyek PPTG-Dikti-Depdikbud.
- Silitonga, P.M., (2011), *Statistik: Teori dan Aplikasi dalam Penelitian*. Penerbit Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Negeri Medan, Medan
- Silitonga, P.M., dan M. Silitonga., (2013). *Upaya Meningkatkan Produksi Immunoglobulin Y (IgY) Kuning Telur dengan uplementasi Piridoksin*. Laporan Penelitian Hibah Bersaing-Dikti-Kemdikbud.
- Silitonga, P.M., dan M.Silitonga. 2014. *Upaya Meningkatkan Produksi Immunoglobulin Y (IgY) Kuning Telur dengan Suplementasi Piridoksin*. Laporan Hasil Penelitian Hibah Bersaing Tahun II, Dikti-Kemdiknas.
- Silitonga, P.M., dan M.Silitonga, (2015), *Efektifitas berbagai Metode Suplementasi Piridoksin Mengoptimalisasi produksi Immunoglobulin Y (IgY) Kuning Telur Ayam*. Laporan Hasil Penelitian Hibah Bersaing Tahun I, Kemristekdikti.
- Smith, J.B. dan Mangkoewidjohi, S., (1998), *Pemeliharaan, Pemiakan dan Penggunaan Hewan Percobaan di daerah Tropis*, Jakarta ;Universitas Indonesia.
- Soejoedono, RD.,Z. hayati dan IWT. Wibawan., (2005). *Pemanfaatan Telur Ayam Sebagai Pabrik Biologis: Produksi Yolk Immunoglobulin (IgY) anti plaque dan diare dengan Titik Berat pada anti Strptococcus Mutan*,

Escherichia Coli dan Salmonella Enteridis. Laporan RUT XII Kerjasama Lembaga Penelitian dan Pengabdian Masyarakat IPB dengan Kementerian Riset dan Teknologi RI

Sosroseputro, H., (1987), *Hal Ihwal Imunisasi dan Aplikasinya*. Bandung. PT.Gardawastu. Pp: 69-77.

Suartha, IN., IWT. Wibawan., dan IBP. Darmono., (2006) Produksi immunoglobulin Y spesifik antitetanus pada ayam. *J.Vet.7 (1)*; 21-28

Suartini, IGAA, IWT. Wibawan, MT.Suhartono, SupardanIN. Suarta, (2007), Aktivitas IgY dan IgG anti tetanus setelah perlakuan pada berbagai pH, suhu dan enzim proteolitik. *J.Vet.8 (4)*: 160–166.

Sunwoo HH, Lee EN, Menninen K, Suresh MR, Sim JS, (2002), Growth inhibitory effect of chickens eggs yolk antibody (IgY) on *Escherichia coli* O 157:H7.*J.Food.Sci.67(4)*: 1486–1494.

Talbott, M.C, L.T. Miller and N.I. Kerkvliet (1987) Pyridoxine supplementation: Effect on lymphocyte responses in elderly persons. *Am. J. Chin. Nutr.* 46:659–664.

Tamilzarasan, K.B., Dinakaran. A., Selvaraju., Dorairajan. N (2009) Effifacy of egg yolk immunoglobulins (IGY) against enteric pathogens in poultry Veterinary College and Research Institute Tamilnadu *J. Veterinary & Animal Science* 5(6): 264–268

Tizard, I.R., (1982). *An Introduction to Veterinary Immunology*. (M. Partodiredjo, cs). Penerbit Universitas Airlangga, Surabaya.

Tressler R.L. and Roth T.F., (1987). IgG receptors on the embryonic chick yolk sac. *J. Biol. Chem.*, 262, 15406-15412.

Wales, J, (2010). Serum Darah. <http://www.wikipedia.com> (Diakses pada tanggal 23 Maret 2016)

Wibawan, I.W.T., Murtini, S., Soejoedono., Mahardika, I. Gusti., (2009), Produksi IgY Antivirus Avian Influenza H5N1 dan Prospek Pemanfaatannya dalam Pengebalan Pasif, Bali : Fakultas Kedokteran Hewan Universitas Udayana

Woolley J.A. & Landon J., (1995), Comparison of antibody production to human interleukin-6 (IL-6) by sheep and chickens. *J. Immunol. Methods*, 178, 253–265.

Yasin, S., (1988), *Fungsi dan Peranan Zat-Zat Dalam Ransum Ayam Petelur*. Madyatama Sarana Perkasa, Jakarta.