

DAFTAR PUSTAKA

- Adam, M., T. M. Lubis., B. Abyad., N. Asmilia., Muttaqien., dan Fakhrurrazi. 2015. Jumlah Eritrosit dan Nilai Hematokrit Sapi Aceh dan Sapi Bali di Kecamatan Leumbah Seulawah Kabupaten Aceh Besar. Universitas Syiah Kuala. Banda Aceh.
- Adams, C. A. 2000. *The Role of Nutricines in Health and Total Nutrition*. Proc. Aust Poult. Sci. Sym. 12: 17-24.
- Agus, A., Astuti, A., dan Munawar, A., 2001. Penggunaan Biji Jagung Kuning Rebus sebagai Suplemen Energi dalam Ransum Sapi Perah Laktasi terhadap Kinerja Produksi dan Komposisi Susu. Buletin Mediagama. Vol 3(2):27-36.
- Anonim. 2018. Breeds of Livestock-Brahman Cattle. Tersedia pada: <http://afs.okstate.edu/breeds/cattle/brahman/>. Diakses pada: 20.00 WIB on 22 Juli 2018.
- Arifin, Z. 2008. Beberapa Unsur Mineral Esensial Mikro dalam Sistem Biologi dan Metode Analisisnya. Balai Besar Penelitian Veteriner. Jurnal Litbang Pertanian. Vol 27(3).
- Astuti, D. A dan Sudarman, A. 2015. *Physiological Status, Blood Profile and Body Composition of Sheep with Ca-Saponified Lemuru Oil Coated by Herbs*. Buletin Peternakan. Vol 39(2):119-122.
- Astuti, D. A., E. Wina., B. Haryanto dan S. Suharti. 2009. Performa dan Profil Beberapa Komponen Darah Sapi Peranakan Ongole yang Diberi Pakan Mengandung Lerak (*Sapindus rarak* De Candolle). Institut Pertanian Bogor. Bogor.
- Ballmer, P.E. 2001 Causes and Mechanisms of Hypoalbuminaemia. Clin Nut. 20:271-273. Harcourt Publishers Ltd.
- Basya, S. 2009. Penggemukan Sapi. Penebar Swadaya, Jakarta.
- Benchaar, C., S. Calsamiglia., A.V. Chaves, G.R. Fraser, D. Colombatto, T.A. McAllister, K.A. Beauchemin. 2008. A Review of Plant-Derived Essential Oils in Ruminant Nutrition and Production. Animal Feed Science and Technology. 145:209-228.
- Brock, J.H. and T. Mainou-Fowler. 1986. Iron and immunity. Pro. Nutr. Soc. 45: 303.

- Chen, H.C. 2006. Enhancing Energy and Glucose Metabolism by Disrupting Trig Synthesis : Lessons from Mice Lacking DGAT-1. J. Nutr. Metab. 3 :10.
- Cunningham, J. G. 2002. *Textbook of Veterinary Physiology*. Ed ke-3. W.B. Saunders Company, Philadelphia (US).
- Diparayoga, I.M.G., I.M. Dwinata., N.Y. Dharmawan. 2014. Total Eritrosit, Hemoglobin, Pack Cell Volume dan Indeks Erirosit Sapi Bali yang Terinfeksi *Cysticercus Bovis*. Indonesia Medicus Veterinus. 3(3):206-212.
- Doornenbal, H., A.K.W. Tong and N.L. Murray. 1988. Reference Values of Blood Parameters in Beef Cattle of Different Ages and Stages of Lactation. Can J Vet Res. 52:99-105.
- Dorman, H. J. D. and Deans, S. G., 2000, *Antimicrobial Agents from Plants: Antibacterial Activity of Plant Volatile Oils*, Journal of Applied Microbiology, 308-310.
- Duvall, V.L. and Hansard, S.L. 1967. Response of Southern Range Cattle to Protein Supplementation. J. Range Manage. 20: 153-157.
- Earley B, Murray M, Prendiville DJ. 2010. Effect Of Road Transport For Up To 24 Hour Followed By Twenty-Four Recovery On Live Weight And Physiological Responses Of Bulls [internet]. <http://www.biomedcentral.com/>. BMC veterinary research 2010, 6:38. doi:10.1186/1746-6148-6-38.
- Effendi, Z. 2013. Peranan Leukosit sebagai Anti Inflamasi Alergik dalam Tubuh. Bagian Histologi. Fakultas Kedokteran. Universitas Sumatera Utara. Medan.
- Fallah, M., Khodaparast M., Kateb, F. 2014. *Effects of Specific Essential Oil Compounds on, Feed Intake, Milk Production, and Ruminant Environment in Dairy Cows during Heat Exposure*. 8: 1242-1245.
- Fawcett, D.W. 2002. Buku Ajar Histologi. Jan Tambayong, alih bahasa; Huriawati Hartanto, editor. Jakarta (ID): penerbit buku kedokteran EGC. Terjemahan dari: *A Textbook of Histology*, E/12.
- Fikar, S dan Ruhyadi, D. 2012. Penggemukan Sapi. Jakarta Selatan: PT Agro Media Pustaka.
- Frandsen, R. D. 1992. Anatomi dan Fisiologi Ternak. Diterjemahkan oleh: Srigandono, B. dan K. Praseno. Gadjah Mada University Press, Yogyakarta.

- Frandsen, R. D. 2009. *Anatomy and Physiology of Farm Animal*. 7th Ed. Gadjah Mada University Press. Yogyakarta.
- Ganong, W. F. 2003. *Buku Ajar Fisiologi Kedokteran*. Edisi 20 Penerbit Buku Kedokteran.
- Greathead H. 2003. Plants and plant extracts for improving animal productivity. *Proc Nutr Soc*. 62:279-290.
- Gurung, N.K., D.L. Rankins, R.A. Shelby and S. Goel. 1998. Effects of Fumonisin b1-contaminated Feeds on Weanling Angora Goats. *J. Anim. Sci*. 76: 2863–2870.
- Guyton, A.C. and J.E. Hall. 1997. *Buku Ajar Fisiologi Kedokteran*. (Diterjemahkan Setiawan, I. Dan A. Santoso). Edisi 9. EGC. Penerbit Buku Kedokteran, Jakarta.
- Hartadi, H., Reksohadiprodjo. S., Lebdosukojo, S. 1980. *Tables of Feed Composition for Indonesia*. International Feedstuffs Institute Utah Agricultural Experiment Station, Utah State University, Logan, Utah.
- Hoffbrand, A.V. dan Pettit, J. E. 1987. *Kapita Selekta Hematologi*. (Diterjemahkan Iyan, D.). Buku Kedokteran EGC, Jakarta.
- Hosoda, K., K. Kuramoto, B. Eruden, T. Nishida and S. Shioya. 2006. *The Effect of Three Herbs as Feed Supplements on Blood Metabolites, Hormones, Antioxidant Activity, Igg Concentration, and Ruminal Fermentation in Holstein Steers*. *Asian-Aust. J. Anim. Sci*. 19: 35-41.
- Irfan IZ., Esfandiari A., Choliq C. 2014. Profil Protein Total, Albumin, Globulin dan Rasio Albumin Globulin Sapi Pejantan. *JITV* 19(2): 123-129.
- Jackson, P.G.G., and Cockcroft, P.D. 2002. *Clinical Examination of Farm Animals*. ISBN 0- 632-05706-8. Blackwell Science.
- Jain, N.C. 1986. *Schalm's Veterinary Hematology*. 4th ed. Lea and Febiger. Philadelphia.
- Jain, N.C. 1998. *Essentials of Veterinary Hematology*. 2nd ed. Lea and Febiger, Philadelphia.
- Jawi, I.M., Budiasa, K. 2011. Ekstrak Air Umbi Ubijalar Ungu Menurunkan Total Kolesterol serta Meningkatkan Total Antioksidan Darah Kelinci. *Jurnal Veteriner*. Vol 12(2):120-125.

- Kakinuma, S., Y. Maeda., H. Ohtsuka., K. Ohmae., K. Ayabe., S. Konnai., M. Oikawa. 2012. The Leukocyte Population in the Peripheral Blood and the Colostrum of Cows Infected with Bovine Leukimia Virus is Skewed Towards Humoral Immunity. *Intern J Appl Res Vet.* Vol 10(4):323-327.
- Kamarudin, M dan Salim M.N. 2002. Pengaruh Pemberian Air Perasan Daun Pepaya pada Ayam: respon terhadap Patofisiologik Ginjal. *Jurnal Sains Veteriner* 10:5-8.
- Kapale, P.M., D.G. Jagtap., D.M. Badukale and S.K Sahatpure. 2008. Serum Total Proteins and Serum Total Cholesterol Levels in Gaolao Cattle. *Veterinary World.* Vol 1(4):115-116.
- Kaslow, J.E. 2010. *Analysis of Serum Protein.* Santa Ana : 720 North Tustin Avenue Suite 104, CA.
- Kee, J.L. 2008. *Pedoman Pemeriksaan Laboratorium dan Diagnostik.* Penerbitan Buku Kedokteran EGC, Cetakan I 6th Ed. Jakarta. pp. 856
- Kimball, J.W. 1998. *Biologi.* Edisi IV. Jilid 1. Erlangga, Jakarta.
- Kirk, W.G. and Davis, G.K. 1945. Blood Components of Range Cattle: Phosphorus, Calcium, Hemoglobin, and Hematocrit. Animal Scientist Emeritus, Range Cattle Experiment Station, Ona; and Animal Nutritionist, Animal Science Department, University of Florida, Gainesville.
- Lassen, E. D. 2005. Laboratory Evaluation of Plasma and Serum Protein. Di dalam: Thrall MA, editor. *Veterinary Hematology and Clinical Chemistry.* Lippincott Williams & Wilkins. Maryland. pp 401-405.
- Li, D., X. Zhang., Y. Long., X. Sun. 2006. Inactivation of Hemoglobin by Hydrogen Peroxide and Protection by a Reductant Substrate. *Life Science Journal.* 3(1):52-58.
- Linder, M. C. 1992. *Biokimiawi Nutrisi dan Metabolisme.* A Parakkasi, penerjemah. Jakarta: Terjemahan dari: *Nutritional Biochemistry and Metabolism.* Penerbit Universitas Indonesia. Jakarta.
- Litwak, S. R. 2003. *Energy Metabolism in Encyclopedia of Food Sciences and Nutrition.* 2nd Edition. Editor: Caballero, B., Trugo, L. C., and Finglas, P. M. Academic Press. Elsevier Science.
- Liu, Y. 2011. *Effects of Plant Extracts on Immune Function and Disease Resistance in Pigs.* Dissertation. University of Illinois at Urbana-Champaign. USA.

- Luiz, C., Jose, C., Junqueira. 2003. Basic Histology. USA:McGraw-Hill.
- Mahardika, I. G., N. N. Suryani., N. P. Mariani., I. W. Suarna., M. A. P. Duarsa., dan I. M. Mudita. 2011. Pemanfaatan Limbah Lidah Buaya sebagai *Feed Supplement* Pakan Sapi Bali dalam Upaya Mengurangi Emisi Metan. Universitas Udayana. Bali.
- Maton A, Hopkins J, McLaughlin CW, Johnson S, Warner MQ, LaHart D, Wright JD. 1993. Human Biology and Health. Englewood Cliffs, New Jersey, USA: Prentice Hall. ISBN 0-13-981176-1.
- Mayulu, H., Sunarso., Sutrisno, C. I., Sumarsono. 2012. Profil Darah Domba Setelah Pemberian CF Amofer (Profile of Sheep Blood After Administration with CF Amofer). JITP. 2(1).
- McCrudden, F.H. 2000. Uric Acid: The Chemistry, Physiology and Pathology of Uric Acid and the Physiologically Important Purin Bodies with a Discussion of the Metabolism in Gout. Alih bahasa Suseno Akbar. Salemba Medika. Yogyakarta.
- McDowell, L.R., J.H. Conrad, G.L. Ellis, J.K. Looslie. 1983. Mineral of Grazing Ruminants in Tropical Regions. Department of Animal Science Center for Tropical Agriculture University of Florida. Gainesville an U.S. Agency for International Development.
- McDowell, M. 1985. Mineral Nutrition of Animals. AVI Publishing Company Inc, Connecticut.
- Meyer, D. J. and Harvey, J. W. 2004. *Veterinary Laboratory Medicine Interpretation and Diagnosis*. 3rd ed. WB Saunders Company, Philadelphia, Pennsylvania (US).
- Minish, G. L. and Fox, D. G. 1979. *Beef Production and Management*. Reston Publishing Co., Inc. A Prentice-Hall Co., Reston, Virginia.
- Miyazaki, Y., M. Yamasaki, H. Mishima, K. Mansho, H. Tachibana and K. Yamada. 2001. Oxidative stress by visible light irradiation suppresses immunoglobulin production in mouse spleen lymphocytes. Biosci. Biotechnol. Biochem. 65: 593-598.
- Muhammad, 2000. Fermentasi dan Peranan Mikrobial bagi Pertambahan Bobot Badan Sapi Perah Fries Holstein. Jurnal Peternakan dan Lingkungan. 6(1): 60-72.
- Murray, R. K., D. K. Granner., P. A. Mayes dan V.W. Rodwell. 2003. Biokimia Harper. Edisi 25. Penerbit Buku Kedokteran EGC, Jakarta. (Alih Bahasa: Hartono, A., Editor: Bani, A. P dan T. M. N. Sikumbang).

- Nelson, D. L dan M. M. Cox. 1999. Principles of Biochemistry. 3rd ed. Worth Publishers, Wisconsin.
- Nikolay, S., Dimitrinka, Z., Ivanka, S., Nikolina, R., Teodora, M. 2013. Investigation of Some Haematological and Blood Biochemical Parameters in Cattle Spontaneously Infected with Bovine Leukosis Virus. *Mac Vet Rev.* 36(2):107-110.
- Parakkasi, A. 1999. Ilmu Nutrisi dan Makanan Ternak Ruminan. Universitas Indonesia Press, Jakarta.
- Poedjiadi, A. 1994. Dasar-dasar Biokimia. Indonesia University Press. Jakarta.
- Prihatno, S. A., Kusumawati, A., Karja, N. W. K., Sumiarto, B. 1995. Profil Biokimia Darah pada Sapi Perah yang Mengalami Kawin Berulang. *Jurnal Kedokteran Hewan.* 7(1): 29-31.
- Rachied, H. G. A., Zaahkook, S. A., EL-Zawhry, E. I., Elfeky, Kh. Sh. 2014. Hematological and Biochemical Parameters in Some Bird and Mammals. *Journal of Entomology and Zoology.* 2(2): 153-158. ISSN 2320-7078
- Radostits OM, Gay CC, Hinchcliff KW, Constable PD. 2007. *Veterinary Medicine: A textbook of the diseases of cattle, sheep, pigs, goats, and horses.* Edisi 10, Elsevier Health Sciences, Philadelphia, PA, USA.
- Raguati dan Rahmatang. 2012. Suplementasi Urea Saka Multinutrien Blok (USMB) Plus terhadap Hemogram Darah Kambing Peranakan Ettawa (PE). Fakultas Peternakan Universitas Jambi. Jambi. *Jurnal Peternakan Sriwijaya.* 1(1): 55-64.
- Rajamanickam, C., N. Muniandy., M. Yahya., T.S. Cheah., S. Paramasvaran. 1987. Haematological and Biochemical Parameters of Cattle Naturally Infested with *Fasciola Gigantica* in Perak Malaysia. *Veterinary Research Institute. Kajian Veterinar.* 19(2):143-151.
- Rastogi, S. C. 2007. *Essential Of Animal Physiology.* Edisi 4. New Delhi: New Age International (p) Limited Publishers. ISBN: 978-81-224-2429-4.
- Reece, W. O. 2005. *Functional Anatomy and Physiology of Domestic Animals.* Edisi 3. Baltimore, Maryland USA: Lipincott Williams & wilkins.

- Richards, M.P. 1989. Recent developments in trace element metabolism and function: Role of metallothionein in copper and zinc metabolism. *J. Nutr.* 119: 1, 62.
- Richardson, E.C., Herd, R.M., Arthur, P.F., Wright, J., Xu, G., Dibley, K.; Oddy, V.H. 1996. Possible Physiological Indicators for Net Feed Conversion Efficiency. *Proceedings of the Australian Society of Animal Production.* 21:103-106.
- Salam, S.W. 2012. Gambaran Jumlah Sel Darah Merah, Kadar Hemoglobin, Nilai Hematokrit dan Indeks Ertrosit pada Kerbau Lumpur (*Bubalus bubalis*) Betina. Skripsi. Sarjana Kedokteran Hewan. Fakultas Kedokteran Hewan. Institut Pertanian Bogor. Bogor.
- Salasia, S. I dan Hariono, B. 2010. *Patologi Klinik Veteriner.* Yogyakarta (ID): Samudra Biru.
- Saraiva, L.A., T.P.D. e Silva., P.E. Paraguaio., M.S. Araujo., S.V. de Sousa., L.P. Machado. 2014. Serum Urea, Creatinine and Enzymatic Activity of Alkaline Phosphatase in Nelore Cattle raised in the Micro Upper Middle Gurgueia. *Animal and Veterinary Sciences.* 2(4):105-108.
- Sevinc, M., A. Basoglu., H. Guzelbektas. 2003. Lipid and Lipoprotein Levels in Dairy Cows with Fatty Liver. *Turk J Vet Anim Sci.* 27:295-299.
- Sinurat, A.P., T. Purwadaria, M.H. Togatorop dan T. Pasaribu. 2003. Pemanfaatan Bioaktif Tanaman sebagai *Feed Additive* pada Ternak Unggas: Pengaruh Pemberian Gel Lidah Buaya atau Ekstraknya dalam Ransum terhadap Penampilan Ayam Pedaging. *JITV* 8(3): 139-145.
- Sonjaya, H. 2012. *Dasar Fisiologi Ternak.* Bogor (ID): PT. Penerbit IPB Press.
- Sreedhar, S., Rao, K.S., Suresh, J., Moorthy, P.R.S., Reddy, V.P. 2013. Changes in Haematocrit and Some Serum Biochemical Profile of Sahiwal and Jersey × Sahiwal Cows in Tropical Environments. *Veterinarski Arhiv* 83(2):171-187.
- Stockholm SL, Scott MA. 2002. *Fundamentals of Veterinary Clinical Pathology.* 1st ed. Iowa State Press, Iowa (US).

- Thios, R.V., G. Rambert., M. Wowor. 2016. Gambaran Kadar Fosfat Anorganik pada Serum pada Pasien Penyakit Ginjal Kronik Stadium 5 Nondialisis. *Jurnal e-Biomedik (eBm)*. Vol 4(2).
- Tong, A.K.W., H. Doornenbal and J.A. Newman. 1986. Blood Composition of Different Beef Breed Types. *Can. J. Anim. Sci.* 66:915-924.
- Von Borell, E.H. 2001. The Biology of Stress and Its Application to Livestock Housing and Transportation Assessment. *J. Anim. Sci.* 79, E260-E267.
- Wallis, C. 1994. *Crossbreeding For Better Beef*. Departement of Agriculture Victoria. Australia. pp. 18-28.
- Widhyari, S. D., A. Esfandiari, A. Wljaya, R. Wulansari, S. Widodo, L, Maylina. 2014. Efek Penambahan Mineral Zn terhadap Gambaran Hematologi pada Anak Sapi Frisian Holstein. *Fakultas Kedokteran Hewan. Institut Pertanian Bogor. JIPI*. Vol 19(3):150-155.
- Yilmaz, S., M. Issi., F.M. Kandemir., Y. Gul. 2014. Malondialdehyde and Total Antioxidant Levels and Hematological Parameters of Beef Cattle with Coccidiosis. *YYU Veteriner Fakultesi Dergisi*. 25(2):41-45.
- Yusiati, L. M. 2005. Pengembangan Metode Estimasi Sintesis Protein Mikroba Rumen Menggunakan Ekresi Derivat Purin dalam Urin berbagai Ternak Ruminansia Indonesia. Disertasi. Universitas Gadjah Mada. Yogyakarta.
- Zainuddin, D dan Wakradihardja E. 2001. Racikan Ramuan Tanaman Obat dalam Bentuk Larutan Jamu Dapat Meningkatkan Kesehatan Hewan serta Produktifitas Ternak Ayam Buras. Seminar Nasional Tumbuhan Obat Indonesia XIX. April 2001. Balai Penelitian Tanaman Rempah dan Obat, Bogor.