



DAFTAR PUSTAKA

- Abdolvahabi, S., M. Zaeemi, dan A. A. Naserian. 2016. Age related changes in serum biochemical profile of Saanen goat kids during the first three months of life. *Revue Med. Vet.* 167(3-4): 106-112.
- Adolfina, H. dan Karstan. 2006. Respon fisiologis ternak kambing yang dikandangkan dan ditambatkan terhadap konsumsi pakan dan air minum. *Jurnal Agroforestri.* 1(1): 63-73.
- Akkaya, F., S. Senturk, S. Kasap, S. Ertune, dan C. Kandemir. (2020). Evaluation of metabolic profiles of Saanen goats in the transition period. *Journal of the Hellenic Veterinary Medical Society.* 71(2): 2127-2134.
- Almatsier, S. 2002. Prinsip Dasar Ilmu Gizi. Gramedia Pustaka Utama. Jakarta.
- Arif, M. 2009. Asuhan Keperawatan Klien dengan Gangguan Sistem Kardiovaskular. Salemba Medika. Jakarta.
- Arifin, M. C. 2018. Buku Kamus dan Rumus Peternakan dan Kesehatan Hewan Indonesia. Gallus Indonesia Utama. Jakarta.
- Atasever, S., U. Sen, dan H. Onder. 2015. A study on the determination of body condition score and somatic cell count in Turkish Saanen goats. *Journal of Applied Animal Research.* 43(4): 445-449.
- Badan Pusat Statistik. www.bps.go.id. Diakses pada 6 Januari 2020
- Boyer, R. F. 2002. Concepts in Biochemistry. 2nd Edition. Thomson Learning, Inc. New York.
- Burtis, C. A., E. R. Ashwood, dan D. E. Bruns. 2012. Tietz Textbook of Clinical Chemistry and Molecular Diagnostics. Elsevier. Missouri.
- Busher, J. T. 1990. Serum Albumin and Globulin Clinical Methods. Butterworths. Boston.
- Cabiddu, A., A. Branca, M. Decandia, A. Pes, P. M. Santucci, F. Masoero, dan L. Calamari. 1999. Relationship between body condition score, metabolite profile, milk yield, and milk composition in goats browsing a Mediterranean shrubland. *Livestock Production Science.* 61(2-3): 267-273.
- Caldeira, R. M., A. T. Belo, C. C. Santos, M. I. Vazques, dan A. V. Portugal. 2007. The effect of body condition score on blood metabolites and hormonal profiles in ewes. *Small Ruminant Research.* 68(3): 233-241.

- Campanile, G., R. D. Palo, F. Infascelli, B. Gasparini, G. Neglia, F. Zicarelli, dan M. J. D'Occchio. 2003. Influence of rumen protein degradability on productive and reproductive performance in buffalo cows. *Repr. Nutr. Dev.* 43:557-566.
- Cardoso, M. J. L., R. Fagnani, C. Z. Cavalcante, Souza Zanutto, M. de, A. Z. Junior, Silveira Fertonani, L. H. da, J. R. Calesso, M. Melussi, H. P. Costa, dan E. Y. Hashizume. 2016. Blood pressure, serum glucose, cholesterol, and triglycerides in dogs with different body score. *Vet. Med. Int.* 2016: 1-7.
- Christiyanto, M., M. Soejono, R. Utomo, H. Hartadi, dan B. P. Widyobroto. 2005. Konsumsi dan kecernaan nutrien ransum yang berbeda precursor protein-energi dengan pakan basal rumput raja pada sapi perah. *J. Indon. Trop. Anim. Agric.* 30(4): 242-247.
- Chuzaemi, S. 2012. *Fisiologi Nutrisi Ruminansia*. UB Press. Malang.
- Cote, E. 2010. *Clinical Veterinary Advisor-Dogs and Cats*. Elsevier. Missouri.
- Daniels, K. M. Killinger, J. J. Michal, R. W. Wright, dan Z. Jiang. 2009. Lipoproteins, cholesterol homeostasis and cardiac health. *Int. J. Bio. Sci.* 5(5): 474-488.
- Degirmencioglu, T. 2014. Using humic acid in diets for dairy goats. *Animal Science and Reports.* 32(1): 25-32.
- Febriana, E. 2017. Korelasi biokimia darah terhadap kinerja reproduksi pada sapi perah Peranakan Friesian Holstein. Skripsi. Fakultas Peternakan Universitas Gadjah Mada. Yogyakarta.
- Firani, N. K. 2018. *Mengenali Sel-Sel Darah dan Kelainan Darah*. UB Press. Malang.
- Fuyuma, R. 2008. Evaluasi potensi produksi susu pada kambing saanen di pt taurus dairy farm. Departemen Ilmu Produksi dan Teknologi Peternakan Fakultas Peternakan Institut Pertanian Bogor.
- Gosh, C., S. Datta, D. Mandal, A. K. Das, D. C. Roy, A. Roy, dan N. K. Kudu. 2019. Body condition scoring in goat: impact and significance. *Journal of Entomology and Zoology Studies.* 7(2): 554-560.
- Guyton, A. C. dan J. E. Hall. 2006. *Textbook of Medical Physiology*. Elsevier. Philadelphia.
- Harris, J. R. 2010. *Cholesterol Binding and Cholesterol Transport Protein*. Springer. Northumberland.
- Hasanudin, S., V. D. Yunianto, dan Tristiarti. 2013. Lemak dan kolesterol daging pada ayam broiler yang diberi pakan *step down* protein dengan



penambahan air perasan jeruk nipis sebagai acidifier. Buletin Nutrisi dan Makanan Ternak. 9(1): 47-53.

Hulu, V. T. dan T. R. Sinaga. 2019. Analisis Data Statistik Parametrik Aplikasi SPSS dan STATCAL. Yayasan Kita Menulis. Medan.

Ibtisham, F., A. Nawab, G. Li, M. Xiao, L. An, dan G. Naseer. 2018. Effect of nutrition on reproductive efficiency of dairy animals. Medycyna Weterynaryjna. 74(1): 1-6.

Irfan, I. Z., A. Esfandiari, dan C. Choliq. 2014. Profil protein total, albumin, globulin, dan rasio albumin globulin sapi pejantan bibit. JITV. 19(2): 123-129.

Kaleka, N. dan N. K. Haryadi. 2013. Kambing Perah. Arcita. Solo.

Kaslow, J. E. 2010. Analysis of Serum Protein. Santa Ana: 720 North Tustin Avenue Suite 104. California.

Kellogg, W. 2008. Body Condition Scoring with Dairy Cattle. www.uaex.edu. Diakses pada 24 Oktober 2019.

Khan, A. 2012. Analysis of urea in the blood serum of domestic goats (*Capra hircus*) in Gilgit-Baltis tan. Pakistan Journal of Zoology. 44(6): 1757-1760.

Kohn, R. A., M. M. Dinneen, dan E. Russek-Cohen. 2005. Using blood urea nitrogen to predict nitrogen excretion and efficiency of nitrogen utilization in cattle, sheep, goats, horses, pigs, and rats. J. Anim. Sci. 83(1): 879-889.

Koyuncu, M. dan Ş. Ö. Altınçekici. 2012. Importance of body condition score in dairy goats. Macedonian Journal of Animal Science. 3(2): 167-173.

Marini, J. C. dan M. E. Van Amburgh. 2003. Nitrogen metabolism and recycling in Holstein heifers. J. Anim. Sci. 81(2): 545-552.

Marks, D. B. 2000. Biokimia Kedokteran Dasar: Sebuah Pendekatan Klinis. Penerbit Buku Kedokteran EGC. Jakarta.

Mat, K. B., M. B. Panadi, S. S. Victor, N. D. Rusli, C. H. Hasnita, dan I. S. A. Fuad. 2015. Preliminary study on influence of parity and body condition score (BCS) on estrus response and conception rate of Saanen-Cross by estrus synchronization with CIDR. Advances in Environmental Biology. 9(27): 307-316.

Moeini, M. M., R. Kachuee, dan M. T. Jaliliar. 2014. The effect of body condition score and body weight of Merghoz goats on production and reproductive performance. Journal of Animal and Poultry Sciences. 3(3): 86-94.



- Mohammed, S. A., M. A. Razzaque, A. E. Omar, S. Albert, dan W. Al-Gallaf. 2016. Biochemical and hematological profile of different breeds of goat maintained under intensive production system. African J. Biotech. 15(24): 1253-1257.
- Mouffok, C., T. Madani, L. Semara, N. Ayache, dan A. Rahal. 2012. Correlation between body condition score, blood biochemical metabolites, milk yield, and quality in Algerian Mintbeliarde cattle. Pak Vet J. 33(2): 191-194.
- Muhajir. 2002. Turunkan kolesterol ayam kampung dengan lysin. Poultry Indonesia. Ed. September. 68-69.
- Nelson, D. L. dan M. M. Cox. 2005. Lehninger Principles of Biochemistry. University of Wisconsin Press. Chicago.
- Ngili, Y. 2009. Biokimia Metabolisme dan Biogenetika. Graha Ilmu. Yogyakarta.
- Pardede, R. P. 2012. Profil metabolit darah domba jonggol dan Garut jantan dewasa yang diberi ransum mengandung *Indigofera zollingeriana* dan limbah tauge. Skripsi. Departemen Ilmu Nutrisi dan Teknologi Pakan. Fakultas Peternakan. Institut Pertanian Bogor. Bogor.
- Pazzola, M., M. L. Dettori, V. Carcangiu, S. Luridiana, M C. Mura, dan G. M. Vacca. 2011. Relationship between milk urea, blood plasma urea, and body condition score in primiparous browsing goats with different milk yield level. Archiv Tierzucht. 54(5): 546-556.
- Pearce, E. C. 2009. Anatomi dan Fisiologi untuk Paramedis. Gramedia Pustaka Utama. Jakarta.
- Pugh, D. G. dan A. N. Baird. 2012. Sheep and Goat Medicine. Elsevier. Missouri.
- Rhoads, M. L., R. O. Gilbert, M. C. Lucy, dan W. R. Butler. 2004. Effects of urea infusion on the uterine luminal environment of dairy cows. J. Dairy. Sci. 87: 2896-2901.
- Rogers, K. 2011. Blood: Physiology and Circulation. Britannica Educational Publishing. New York.
- Rosseler, D.K., J. D. Ferguson, C. J. Sniffen, dan J. Herrema. 1993. Dietary protein degradability effect on milk urea nitrogen and non protein nitrogen in Holstein cows. Journal Dairy Science. 58(1): 525-534.
- Sadjadian, R., H. A. Seifi, M. Mohri, A. A. Naserian, dan N. Farzaneh. 2013. Variations of energy biochemical metabolites in periparturient dairy Saanen goats. Comp. Clin. Pathol. 22 (1): 449-456.



- Sarwono, J. 2011. Buku Pintar IBM SPSS Statistics 19. Elex Media Komputindo. Jakarta.
- Schakman, O., S. Kalista, C. Barbe, A. Loumaye, dan J. P. Thissen. 2013. Glucocorticoid-induced skeletal muscle atrophy. *Int. J. Biochem. Cell Biol.* 45(10): 2163-2172.
- Serin, I., G. Serin, M. Yilmaz, F. Kiral, dan A. Ceylan. 2010. The effects of body weight, body condition score, age, lactation, serum trygliceride, cholesterol, and paraoxanase levels on pregnancy rate of Saanen goats in breeding system. *Journal of Animal and Veterinary Advances.* 9(13): 1848-1851.
- Setiadi, B. Subandriyo, M. Martawidjaja, D. Priyanto, D. Yulistiani, T. Sartika, B. Tiesnamurti, K. Dwiyanto, dan L. Praharani. 2001. Karakterisasi Kambing Lokal. Kumpulan Hasil-Hasil Penelitian Peternakan APBN Tahun 1999/2000. Pusat Penelitian dan Pengembangan Peternakan. Bogor.
- Setiawan, B. S. dan M. T. Farm. 2011. Beternak Domba dan Kambing. AgroMedia Pustaka. Jakarta.
- Sidik, R., K. Rachmawati, K. Sabdoningrum, H. Pertiwi, dan T. B. Dadi. 2019. The profile of cholesterol, lipoprotein, and triglyceride of blood serum of filial Etawah goat fed with omega-3 rich diet. *The Indian Veterinary Journal.* 96(5): 32-34.
- Sitaresmi, P. I., B. P. Widyobroto, S. Bintara, dan D. T. Widayati. 2017. Progesterone and biochemical profile of Ettawa-Saanen Crossbreed goats in Turi area, Yogyakarta-Indonesia. *Int. J. Dairy Sci.* 12(4): 289-294.
- Sitaresmi, P. I., P. K. Astuti, B. P. Widyobroto, S. Bintara, dan D. T. Widayati. 2019. Blood and hormonal profile association with the length of estrous cycle in Saanen Etawah Crossbreed goat. *Asian Journal of Biological Science.* 12(2): 187-191.
- Sitaresmi, P. I., B. P. Widyobroto, S. Bintara, dan D. T. Widayati. 2020. Effects of body condition score and estrus phase on blood metabolites and steroid hormones in Saanen goats in the tropics. *Veterinary World.* 13(5): 833-839.
- Sjofjan, O., M. H. Natsir, dan I. H. Djunaidi. 2019. Ilmu Nutrisi Ternak Non Ruminansia. UB Press. Malang.
- Spahr, I. 2005. Body Condition Scoring in Meat Goat. Penn Stage College of Agricultural Science. <http://bedford.extension.psu.edu>. Diakses pada 19 Desember 2019.



- Starr, C., R. Taggart, dan C. E. L. Starr. 2014. Biology: Animal Structure and Function. Cengage Learning. Boston.
- Sumardjo, D. 2006. Pengantar Kimia Buku Panduan Kuliah Mahasiswa Kedokteran. Penerbit Buku Kedokteran EGC. Jakarta.
- Susilawati, T., Kuswati, dan P. S. Winarto. 2013. Agribisnis Kambing. UB Press. Malang.
- Susilorini, T. E. dan Kuswati. 2019. Budi Daya Kambing dan Domba. UB Press. Malang.
- Swope, J. M. 2020. Cliffsnotes AP Psychology Cram Plan. Houghton Mifflin Harcourt Publishing Company. New York.
- Tahuk, P. K., E. Baliarti, dan H. Hartadi. 2008. Keseimbangan nitrogen dan kandungan urea darah kambing bligon pada penggemukan dengan level protein pakan berbeda. Jurnal Indonesian Tropical Animal Agriculture. 33(4): 290-298.
- Tillman, A. D., H. Hartadi, S. Reksohadipardjo, S. Prawirokusumo, dan S. Lepdosokojo. 1991. Ilmu Makanan Ternak Dasar. Gadjah Mada University Press. Fakultas Peternakan UGM. Yogyakarta.
- Trapani, L., M. Segatto, dan V. Pallottini. 2012. Regulation and deregulation of cholesterol homeostasis: the liver as a metabolic “power station”. World J. Hepatology. 4(6): 184-190.
- Umeta, G., F. Hundesa, M. Duguma, dan M. Muleta, 2011. Journal of Stored Products and Postharvest Research vol 2(8): 156-163.
- Villaroel, A., T. B. Miller, E. D. Johnson, K. R. Noyes, dan J. K. Ward. 2013. Factors affecting serum total protein and immunoglobulin G concentration in replacement dairy calves. Adv Dairy Res. 1(2): 106-110.
- Widayati, D. T., Sunendar, K. Suharto, P. Astuti, dan A. Junaidi. 2011. The effect of body condition score on hormonal and vaginal histological changes during estrus od synchronized Etawah Cross Bred Does. Journal of World Academy of Science, Engineering, and Technology. 53: 408-410.
- Widayati, D. T., B. Sugito, T. W. Pangestiningsih, D. L. Kusindarta, dan Jaswadi. 2013. Injeksi media kultur embrio supernatant dalam uterus untuk meningkatkan angka implantasi embrio pada mencit. Jurnal Kedokteran Hewan. 7(2): 155-159.
- Widayati, D. T., M. Suryaputri, dan Y. Suranindyah. 2013. The eefect of body condition score on estrous postpartum of Ettawa Crossed breed does



in Girikerto Farmer Group, Turi, Sleman. Conference Paper 2nd Animal Production International Seminar. Malang.

Widayati, D. T., N. Maulida, dan Adiarto. 2017. Blood biochemical profile of repeated breeding Friesian Holstein grade cows in the dairy processing unit faculty of animal science Gadjah Mada University. International Seminar on tropical Animal Production. Universitas Gadjah Mada. Yogyakarta.

Widayati, D. T., Adiarto, B. P. Widyobroto, dan Y. Y. Suranindyah. 2019. Cortisol and blood urea nitrogen profiles in fertile and repeat-breeder Holstein-Friesian Crossbreed cows. Pakistan Journal of Biological Sciences. 22(7): 356-360.

Widayati, D. T., M. A. Paramita, E. Dwiviyanti, dan Y. Y. Suranindyah. 2019. Correlation between blood metabolite and reproductive performance of lactating Holstein Friesian Crossbred cows in smallholder Farms. Jurnal Kedokteran Hewan. 13(1): 1-4.

Widhyari, S. D., A. Esfandiari, A. Wijaya, R. Wulansari, S. Widodo, dan L. Maylina. 2015. Tinjauan penambahan mineral Zn dalam pakan terhadap kualitas spermatozoa pada sapi Frisian Holstein jantan. Jurnal Ilmu Pertanian Indonesia. 20(1): 72-77.

Widiyono, I., S. Sarmin, dan Y. Yanuartono. 2020. Influence of body condition score on the metabolic and reproductive status of adult female Kacang goats. Journal of Applied Animal Research. 48(1): 201-206.

Wiguna, I. 2018. Kiat Sukses Tingkatkan Produksi Susu Kambing. Penebar Swadaya. Yogyakarta.

Yanuartono, A. Nururozi, S. Indarjulianto, H. Purnamaningsih, dan S. Raharjo. 2017. Urea: manfaat pada ruminansia. Jurnal Ilmu-Ilmu Peternakan. 28(1): 10-34.

Yilmaz, M., G. Erdogan, H. E. Bardakcioglu, T. taskin, dan T. Altin. 2011. Effect of BCS at mating on some reproductive performance of Saanen goat under raised semi intensive conditions. Journal of Animal and Veterinary Advances. 10(22): 2909-2912.

Yilmaz, M., T. Taskin, H. E. Bardakcioglu, dan A. D. Loria. 2014. Effect of body condition score on some blood parameters for anemia level in goats. Veterinarija Ir Zootechnika Journal. 67(89): 41-46.