













- [17] J.-E. Kim and H.-G. Lee, "Amino Acids Supplementation for the Milk and Milk Protein Production of Dairy Cows," *Animals*, vol. 11, no. 7, p. 2118, Jul. 2021, doi: 10.3390/ani11072118.
- [18] J. L. Firkins, "Invited Review: Advances in rumen efficiency \*," *Applied Animal Science*, vol. 37, no. 4, pp. 388–403, Aug. 2021, doi: 10.15232/aas.2021-02163.
- [19] P. S. Erickson and K. F. Kalscheur, "Nutrition and feeding of dairy cattle," *Animal Agriculture*, pp. 157–180, 2020, doi: 10.1016/B978-0-12-817052-6.00009-4.
- [20] O. O. Babatunde, C. S. Park, and O. Adeola, "Nutritional Potentials of Atypical Feed Ingredients for Broiler Chickens and Pigs," *Animals*, vol. 11, no. 5, p. 1196, Apr. 2021, doi: 10.3390/ani11051196.
- [21] Herni, Y. Retnani, and S. Suharti, "Effect as Feed Supplement Wafer the Nutrient Consumption and Digestibility of Pasundan Cattle," in *Contribution of Livestock Production on Food Sovereignty in Tropical Countries*, Yogyakarta, Indonesia, 2017, vol. 7, pp. 137–142.
- [22] P. R. Wankhade *et al.*, "Metabolic and immunological changes in transition dairy cows: A review," *Vet World*, vol. 10, no. 11, pp. 1367–1377, Nov. 2017, doi: 10.14202/vetworld.2017.1367-1377.
- [23] F. Zhang, X. Nan, H. Wang, Y. Zhao, Y. Guo, and B. Xiong, "Effects of Propylene Glycol on Negative Energy Balance of Postpartum Dairy Cows," *Animals*, vol. 10, no. 9, p. 1526, Aug. 2020, doi: 10.3390/ani10091526.
- [24] B. Li *et al.*, "Pelleting of a Total Mixed Ration Affects Growth Performance of Fattening Lambs," *Frontiers in Veterinary Science*, vol. 8, p. 100, 2021, doi: 10.3389/fvets.2021.629016.
- [25] A. K. Armayanti, J. Jamilah, M. E. Kurniawan, and D. Danial, "Broiler performance with the utilization of various levels of fermented peanut shells meal," *IOP Conf. Ser.: Earth Environ. Sci.*, vol. 788, no. 1, p. 012068, Jun. 2021, doi: 10.1088/1755-1315/788/1/012068.
- [26] H. A. Zamzami, "The effect of the use of probiotics on complete feed on the quantity and quality of dairy cow's milk production [Pengaruh penggunaan probiotik pada complete feed terhadap kuantitas dan kualitas produksi susu sapi perah]," *Students e-Journal*, vol. 4, no. 4, Art. no. 4, 2015, Accessed: Aug. 17, 2021. [Online]. Available: <http://jurnal.unpad.ac.id/ejournal/article/view/8742>
- [27] C. Matthews, F. Crispie, E. Lewis, M. Reid, P. W. O'Toole, and P. D. Cotter, "The rumen microbiome: a crucial consideration when optimising milk and meat production and nitrogen utilisation efficiency," *Gut Microbes*, vol. 10, no. 2, pp. 115–132, Sep. 2018, doi: 10.1080/19490976.2018.1505176.
- [28] M. A. Arowolo and J. He, "Use of probiotics and botanical extracts to improve ruminant production in the tropics: A review," *Animal Nutrition*, vol. 4, no. 3, pp. 241–249, Sep. 2018, doi: 10.1016/j.aninu.2018.04.010.
- [29] W. I. Izuddin, T. C. Loh, A. A. Samsudin, and H. L. Foo, "In vitro study of postbiotics from *Lactobacillus plantarum* RG14 on rumen fermentation and microbial population," *R. Bras. Zootec.*, vol. 47, Nov. 2018, doi: 10.1590/rbz4720170255.
- [30] F. Chaucheyras-Durand, E. Chevaux, C. Martin, and E. Forano, *Use of Yeast Probiotics in Ruminants: Effects and Mechanisms of Action on Rumen pH, Fibre Degradation, and Microbiota According to the Diet*. IntechOpen, 2012. doi: 10.5772/50192.
- [31] S. Ghazanfar, N. Khalid, and I. A. and M. Imran, *Probiotic Yeast: Mode of Action and Its Effects on Ruminant Nutrition*. IntechOpen, 2017. doi: 10.5772/intechopen.70778.
- [32] H. Mayulu, N. Fauziah, M. Christiyanto, S. Sunarso, and M. I. Haris, "Digestibility Value and Fermentation Level of Local Feed-Based ration for Sheep," *anprod*, vol. 20, no. 2, p. 95, Jul. 2019, doi: 10.20884/1.jap.2018.20.2.706.
- [33] F. Semwogerere, C. L. F. Katiyatiya, O. C. Chikwanha, M. C. Marufu, and C. Mapiye, "Bioavailability and Bioefficacy of Hemp By-Products in Ruminant Meat Production and Preservation: A Review," *Front Vet Sci*, vol. 7, p. 572906, Sep. 2020, doi: 10.3389/fvets.2020.572906.
- [34] M. Kayadoe, A. Rochana, U. H. Tanuwiria, and S. Sinaga, "Short Communication: Effect of different feed combination on the growth development of spotted cuscus (*Spiloglossus maculatus*) in captivity," *Biodiversitas Journal of Biological Diversity*, vol. 20, no. 2, Art. no. 2, Feb. 2019, doi: 10.13057/biodiv/d200231.
- [35] Z. Antunović *et al.*, "Influence of feeding the probiotic Pioneer PDFM® to growing lambs on performances and blood composition," *Acta veterinaria*, vol. 55, no. 4, pp. 287–300, 2005, Accessed: Aug. 17, 2021. [Online]. Available: <http://www.doiserbia.nb.rs/Article.aspx?id=0567-83150504287A&AspxAutoDetectCookieSupport=1>
- [36] M. A. Ayala-Monter *et al.*, "Growth performance and health of nursing lambs supplemented with inulin and *Lactobacillus casei*," *Asian-Australas J Anim Sci*, vol. 32, no. 8, pp. 1137–1144, Aug. 2019, doi: 10.5713/ajas.18.0630.
- [37] Khalid *et al.*, "Probiotics and lamb performance: A review," *AJAR*, vol. 6, no. 23, pp. 5198–5203, Oct. 2011, doi: 10.5897/AJAR11.1134.
- [38] W. S. Adem, G. K. Yadete, and W. T. Beyene, "Growth and carcass characteristics of Afar lambs at two concentrate levels supplementation and slaughter weights fed Tef Straw Basal Diet," *IJLP*, vol. 10, no. 3, pp. 77–85, Mar. 2019, doi: 10.5897/IJLP2018.0539.
- [39] A. a. N. B. S. Dinata, I. W. Sudarma, and D. M. R. Puspa, "Performance of Etawah Crossbred Goat Fed Different Types of Probiotics," *International Seminar on Livestock Production and Veterinary Technology*, no. 0, pp. 300–306, Mar. 2016, doi: 10.14334/Proc.Intsem.LPVT-2016-p.300-306.
- [40] H. H. Titi, A. Abdullah, W. Lubbadah, and B. Obeidat, "Growth and carcass characteristics of male dairy calves on a yeast culture-supplemented diet," *SA J. An. Sci.*, vol. 38, no. 3, pp. 174–183, Oct. 2008, doi: 10.4314/sajas.v38i3.4125.
- [41] M. M. Abdelrahman and D. A. Hunaiti, "The effect of dietary yeast and protected methionine on performance and trace minerals status of growing Awassi lambs," *Livestock Science*, vol. 115, no. 2–3, pp. 235–241, Jun. 2008, doi: 10.1016/j.livsci.2007.07.015.
- [42] P. Reszka, D. Cygan-Szczegieliński, H. Jankowiak, A. Cebulska, B. Mikołajczak, and J. Bogucka, "Effects of Effective Microorganisms on Meat Quality, Microstructure of the Longissimus Lumborum Muscle, and Electrophoretic Protein Separation in Pigs Fed on Different Diets," *Animals*, vol. 10, no. 10, p. 1755, Sep. 2020, doi: 10.3390/ani10101755.
- [43] U. H. Tanuwiria, "Efek Level Tanin pada Proteksi Protein Tepung Keong Mas (*Pomacea canaliculata*) terhadap Fermentabilitas dan Kecernaan in vitro," p. 9, 2019.
- [44] J. Apajalahti, K. Vienola, K. Raatikainen, V. Holder, and C. A. Moran, "Conversion of Branched-Chain Amino Acids to Corresponding Isoacids - An in vitro Tool for Estimating Ruminant Protein Degradability," *Frontiers in Veterinary Science*, vol. 6, p. 311, 2019, doi: 10.3389/fvets.2019.00311.
- [45] A. Astuti, R. Rochijan, and B. P. Widyobroto, "Effect of Dietary Rumen Undegraded Protein (RUP) Level on Nutrient Intake and Digestion of Lactating Dairy Cows," *BuletinPeternak*, vol. 44, no. 4, Nov. 2020, doi: 10.21059/buletinpeternak.v44i4.59155.
- [46] Y. Tadele and N. Amha, "Use of Different Non-Protein Nitrogen Sources in Ruminant Nutrition: A review," p. 7, 2015.
- [47] A. K. Patra and J. R. Aschenbach, "Ureases in the gastrointestinal tracts of ruminant and monogastric animals and their implication in urea-N/ammonia metabolism: A review," *J Adv Res*, vol. 13, pp. 39–50, Feb. 2018, doi: 10.1016/j.jare.2018.02.005.
- [48] D. Jin, S. Zhao, N. Zheng, Y. Beckers, and J. Wang, "Urea Metabolism and Regulation by Rumen Bacterial Urease in Ruminants – A Review," *Annals of Animal Science*, vol. 18, no. 2, pp. 303–318, May 2018, doi: 10.1515/aoas-2017-0028.
- [49] T. J. Hackmann and J. L. Firkins, "Maximizing efficiency of rumen microbial protein production," *Front Microbiol*, vol. 6, p. 465, May 2015, doi: 10.3389/fmicb.2015.00465.