

DAFTAR PUSTAKA

- Abdullah, L. 2012. Herbage production and quality of Indigofera treated by different concentration of filior fertilizer. *Med Pet.*, 33(3): 169-175. Amerika Serikat.
- Abdullah, L. N. R. Kumalasari., Nahrowi dan Suharlina. 2010. Pengembangan produk hay, tepung, dan pelet daun Indigofera sp. sebagai alternatif sumber protein murah pakan kambing perah. Laporan Penelitian. Fakultas Peternakan IPB.
- Abou-El-Enin, O. H., Fadel, J. G., and Mackill, D. J. 1999. Differences in chemical composition and fibre digestion of rice straw with, without, anhydrous ammonia from 53 rice varieties. *Anim. Feed Sci. Technol.*, 79:129-136. ISSN 0377-8401
- Akbarillah, T., D. Kaharuddin dan Kuisiyah. 2002. Kajian tepung daun Indigofera sebagai suplemen pakan terhadap produksi dan kualitas telur.
- Arora, S.P. 1989. Pencernaan Mikroba pada ruminansia. Penerjemah: R. Muwarni dan B. Srigandono. Gajah Mada University Press. Yogyakarta.
- Arora, S.P. 1995. Pencernaan Mikroba pada Hewan Ruminansia. Edisi ke-2. Yogyakarta (ID): Gajah Mada University Press.
- Bhatta, R., Y. Uyeno, K. Tajima, A. Taneka, Y. Yabutomo, I. Nonaka, O. Enishi, and M. Kuriha. 2009. Difference in the nature tannins on in-vitro ruminal methane and volatile fatty acid production and on methanogenic archaea and protozoal populations. *J. Dairy Sci.*, 92,55512-5522. Corvallis Oregon, USA.
- Church, D. C. and W. G. Pound. 1988. Basic animal nutrition and feeding.
- Church, D.C. 1982 *Digestive Physiology And Nutrisi of Ruminant*. Vol. 2nd Ed, Oregon state University, Corvallis, USA
- Darmono. 1993. Tatalaksana Usaha Sapi Kereman. Kanisius, Yogyakarta.
- Doyle, P.T., Devendra, C., and Pearce, G.R. 1996. Rice straw as a feed for ruminants. International Development Program of Australian Universities and Colleges Limited (IDP), Canberra, Australia.
- Fayunzira, R. 2016. Pengaruh penambahan pupuk nitrogen pada penanaman rumput gajah cv.taiwan yang dicampur dengan legume indigofera pada tanah ultisol terhadap karakteristik cairan rumen secara in-vitro. Skripsi. Fakultas Peternakan Universitas Andalas, Padang.
- General Laboratory Procedures. 1966. Department of Dairy Science University of Wisconsin, Madison.

- Greenland, D. J. 1984. Upland rice. *Outlook on Agriculture*, 14: 21- 26.
- Hartadi, H., S. Reksodiprodjo dan A.D Tilman. 1997. *Tabel Komposisi Bahan Makanan Ternak Untuk Indonesia*. Gadjah Mada University Press, Yogyakarta.
- Hassen, A., Rethman N. F. G., Apostolides W. A. Z. and Niekerk, V. 2008. Forage production and potentiak nutritive value of 24 shrubby Indigofera accessions under field conditions in south Africa. *Troop Grassland*. 42:96-103
- Hume. I D. 1982. Digestion and Protein Metabolisme. In *Acourse Manual in Nutrition And Growth*. Ed (H.L. Davies) Australia University International Development Program (AUIDP).
- Jayanegara A, Tjakradidjaja AS, & Sutardi T 2006. Fermentabilitas dan Kecernaan in-vitro ransum limbah agroindustry yang disuplementasi kromium anorganik dan organik. *Media Peternakan*. 29[2]:54-62.
- Jhonson, R. 1966. Techniques and procedures for in-vitro and in-vitro rumen studies. *J. Animal Science*. 25 : 825 – 875. Jhon Wiley and Sons, New York.
- Koddang, M. Y.A. 2008. Pengaruh tingkat pemberian kosentrat terhadap daya cerna bahan kering dan protein kasar ransum pada sapi bali jantan yang mendapatkan rumput raja (*Pennisetum purpurephoides*) ad-libitum. *Jurnal Agroland* 15 (4):343-348.
- Komar, A. 1984. *Teknologi Pengolahan Jerami Padi sebagai Makanan Ternak*. Yayasan Dian Grahita. Jakarta.
- Lamid, M, Puspaningsih, N. N. T. And Sarwoko, M. 2013. Addition of Lignocellulolytic Enzymes Into Rice Straw Improves In Vitro Rumen Fermentation Products. *J. Appl. Environ. Biol. Sci.*, 3(9)166-171. ISSN: 2090-4274
- Lamina. 1989. *Kedelai dan pengembangannya*. Jakarta : CV. Simplex. Laporan Penelitian. Lembaga Penelitian Universitas Bengkulu, Bengkulu.
- Makkar, H.P.S. 2000. Evaluation and enhancement of feeding value of tanniferous feed. *Proc. Intern. Workshop on Tannins of livestock and human nutrition*. ACIAR 92: 71-74.
- Mc Leod, M.N. And Minson, D.J. 1988. Breakdown of Large Particles In Forage By Simulated Digestion and desitriion, *Journal Of Animal Science* 66, 1000-1004
- Mc.Donald, P., R.A, Edwards, J.F.D. Greenhalgh and C.A Morgan 2002. *Animal Nutrisi*. 5th Edition. Longman Scientific and Technical, Inc. New york

- Modak, S. K. 1985. Chemical composition and dry matter and organic matter degradability of different varieties of rice straw by nylon bag technique. M. S. Thesis. Department of Animal Science, Bangladesh Agricultural University, Mymensingh, Bangladesh.
- Murtidjo, B. A. 1993. Memelihara Domba. Penerbit Kanisius, Jakarta.
- Ngo van Man, Nguyen van Hao, Vuong minh Tri. 1995. Biomass production of some leguminous shrubs and trees in Vietnam. *Livestock Res Rural Dev.* 7:1-5
- Novita, C.I., A. Sudono, I. K. Utama dan T. Tohermat. 2006. Produktivitas kambing peranakan etawa yang diberi ransum berbasis jerami padi fermentasi. *Media Peternakan.* 29(2) : 96-100.
- Orskov, E.R. 1982. Protein Nutrition in Ruminants Academic Press, New York
- Parakkasi, A. 1999 Ilmu Nutrisi dan Makanan Ternak Ruminansia. Jakarta : Universitas Indonesia, Press
- Perry, T., A.E. Cullison and R.S. Lowrey. 2003. Feed and Feeding Prentice Hall, New Jersey
- Ranjhan, S.M. 1980. Animal Nutrition and Feeding Practice in India. 2nd Ed. Vikas Publishing House put Ltd., New Delhi. PP. 93-104.
- Sakinah, D 2005. Kajian Suplementasi probiotik Biomormal terhadap produksi VFA, NH₃, dan Kecernaan Zat Makanan Pada Domba. Skripsi, Fakultas Peternakan Institut Pertanian Bogor. Bogor
- Salman L. B., I. Hernaman, I. Sulistiawati, M. Maisarah, H. Yuhari, R. Salim, dan A. Arffiana. 2017. Penggunaan Indigofera zollingeriana untuk menggantikan konsentrat dalam ransum sapi perah. (To be submitted).
- Santos, M. B., Nader, G. A., Robinson, P. H., Kiran, D., Krishnamoorthy, U., Gomes, M. J. 2010. Impact of simulated field drying on in vitro gas production and voluntary dry matter intake of rice straw. *Anim Feed Sci Technol* 159 (3-4): 96-104.
- Satter, L. D. and L.L. Styter. 1974, Effect of ammonia concentration rumen microbial protein production in vitro. *Brit. J. Nutr.* 32 : 194-208
- Sayuti, N. 1989. Ruminologi. Kuliah Fakultas Peternakan Universitas Andalas , Padang
- Simon, P. Ginting, 2012. Kualitas nutrisi dan pemanfaatan genus indigofera sebagai pakan ternak ruminansia. Lokal penelitian kambing potong. Bandung

- Sinclair, L.A., P.C. Garsnwor, J.R. Newbold and P.J. Buttery. 1993. Effect of synchronizing the rate of dietary energy and nitrogen release on rumen fermentation and microbial protein synthesis in sheep. *J agric. Sci* 120:251-263
- Sirait J, Simanihuruk K, Hutasoit R. 2009. The potency of *Indigofera* sp. as goat feed: production, nutritive value and palatability. In: *Proceeding of International Seminar on Forage Based Feed Resources*. Bandung, 3-7 Agustus 2009. Taipei (Taiwan): Food and Fertilizer Technology Centre (FFTC) ASPAC, Livestock Research Centre-COA, ROC and IRIAP. p. 4-7.
- Steel, R. G. and J. H. Torrie, 1991. *Prinsip dan procedures statistiska. Suatu Pendekatan Biometrik Ed.2, cet. 2, Alih Bahasa B. Sumantri. P.T Gramedia Pustaka Utama. Jakarta.*
- Stern, M. D. And N.H. Hooven. 1979. Methods for determination and factor effecting rumen microbial syntesis, A. Review, *Jurnal Animak Science* 49 : 1590-1603
- Sudana. 1984. "Straw Basal Diet for Growing Lambs" (A Thesis Submitted to the Degree of Master of Science). The Department of Biochemistry and Nutrition, the University of New England, Armidale, N. S. W., 23451, Australia.
- Suharlina. 2016. *Pemanfaatan dan Pengembangan Ransum berbasis Indigofera Zollingeriana berkualitas untuk kambing perah [disertasi]*. Bogor[ID]: Institut pertanian Bogor.
- Sutardi, T. 1979. *Ketahanan Bahan Makanan terhadap Degradasi oleh mikroba Rumen dan Manfaatnya bagi Peningkatan Produksi Ternak*, Pros, Seminar Penelitian dan Penunjang Peternakan LPP. Bogor.
- Sutardi, T. 1980. *Landasan Ilmu Nutrisi I Sapi Perah dan Pemberian Makanannya*. Departemen Ilmu Makanan Ternak Fakultas Peternakan Institut Pertanian Bogor, Bogor
- Sutardi, T., N, A. Sigit dan T. Toharmat. 1983. *Standarisasi Mutu Protein Bahan Makanan Ternak Ruminansia, Berdasarkan Parameter Metabolismenya oleh mikroba rumen : Proyek pengembangan Ilmu dan Teknologi*. Dirjen Pendidikan Tinggi. Jakarta
- Tilley, J.M.A. and Terry. 1963. A two stage technique for in-vitro digestion of forage crops. *J, Brit, Grassland Society*. 18 (2):104-111.
- Tilman, S. 1991. *Sapi Perah dan Pemberian makanannya*, Fakultas Peternakan IPB, Bogor.
- Tjelele TJ. 2006. *Dry matter production, intake and nutritive value of certain Indigofera spesies [Thesis]*. [Hatfield (South Africa)]: University of Pretoria

- Van Soest, P.J. 1982. Nutritional Ecology of Ruminant. Q&B Books.
- Wanapat, M. 2003. Manipulation of cassava cultivation and utilization to improve protein to energy biomass for livestock feeding in the tropic. Asian-Aust. J. Anim. Sci. 16 : 463-472.
- Wanapat, M., Kang, S., Hankla, N., and Phesatcha, K. 2013. Effect of rice straw treatment on feed intake, rumen fermentation and milk production in lactating dairy cows. Afr. J. Agric. Res. 8(17):1677-1687.
- Wohlt, J.E, J.H. Clark & F.S. 1976. Effect of Sampling Location, time, and method of concentration of ammonia nitrogen in rumen fluid. J. Dairy Science (59) : 495-464
- Yunilas. 2009. Bioteknologi Jerami Padi Melalui Fermentasi Sebagai Bahan Pakan Ternak Ruminansia. Karya Ilmiah. Diterbitkan. Sumatra Utara. Fakultas Peternakan Universitas Sumatra Utama.
- Yutono. 2004. Inokulasi Rhizobium pada Kedelai. Yogyakarta : UGM Press.
- Zain, M., Elihasridas dan D. Mangunwidjaja. 2005. Pengaruh Suplementasi daun ubi kayu terhadap fermentabilitas dan pencernaan in-vitro ransum berpakan serat sawit hasil amoniasi dengan urea. J. Tek. Ind. Peternakan. 15(2) : 54-59
- Zulkarnaini. 2009. Pengaruh suplementasi mineral P dan S pada jerami padi amoniasi terhadap pencernaan NDF, ADF, selulosa dan hemiselulosa. Jurnal Ilmiah Tambua 8: 473-47.

