

## DAFTAR PUSTAKA

- Ahmad, M. dan Nashir. 2008. Pembuatan Jerami Fermentasi. Lembar informasi pertanian (Liptan) IP2TP Mataram No.02/Liptan/2000. Instalasi Penelitian dan Pengkajian Teknologi Pertanian. Mataram.
- Anggorodi, R. 1998. Ilmu Makanan Ternak Umum. Cetakan Ke-5. Gramedia, Jakarta.
- Antonius. 2009. Pemanfaatan Jerami Padi Fermentasi Sebagai Substitusi Rumput Gajah Dalam Ransum Sapi. Jurnal : Vol. 14. No 4 September 2009 : hlm 270-277.
- Arora, S.P. 1995. Pencernaan Mikrobia pada Ruminansia. Diterjemahkan oleh R. Murwani dan B Srigando. Gajah Mada University Press. Yogyakarta.
- Baba, S., Inoue, T., Kadoya, T. & Fukuda, K., 2012. Butterflies and mangrove branches. ISME/GLOMIS Electronic Journal 10(5): 13-15.
- Blummel, M., H. Steingass & K. Becker.1997.The relationship between *in vitro* gas production, *in-vitro* microbial biomass yield and 15N incorporated and its implication for the prediction of voluntary feed intake of roughages. Br. J. Nutr. 77: 911-921.
- Castillo, L. S., Roxas, D. B., Chavez, M. A., Momongan, V. G., And Ranjhan, S. K. 1982. *The effectsof a concentrate supplement and of chopping and soaking rice straw on its voluntary intake by carabaos.* In "The Utilization ofFibrous Agricultural Residues as Animal Feeds", :74-80, editor P. T. Doyle. School of Agriculture and Forestry, University of Melbourne, Parkville, Victoria.
- Doyle PT, Devendra C, Pearce GR. 1986. Rice Straw as a Feed Ruminants. Canberra: International Program of Australian Universities and Collages Limited (IDP).
- Fadillah, Yusuf. 2017. Nutrisi Tepung Daun Mangrove *Avicennia lanata* Terfermentasi Ragi Tape Berdasarkan Lima Waktu Yang Berbeda. Sarjana Thesis. Universitas Brawijaya. Malang
- [FAO] Food and Agricultural Organization of United Nations. 2007. *The World's Mangrove 1980-2005: A Theamic Study in The Framework of The Global Forest Assesment 2005.* Rome: Food and Agricultar Organization of United Nations.
- Halidahdan H. Kama. 2013. Penyebaran alami *Avicennia marina* (Forsk) Vierh dan *Sonneratia Alba* Smith pada Substrat pasir di Desa Tiwoho, Sulawesi Utara. Indonesian Rehabilitation Forest Journal,1 (1) 51-58. Bogor.

- Hartadi, H., Tilman, A. D., Reksohadiprojo, S., Kusumo, S. P dan S. Lebdoesoekodjo. 1991. Ilmu Makanan Ternak Dasar. Gadjah Mada University press, Yogyakarta.
- Howard, R., Abotsi, E.E., Jansen, L., and Howard, S. 2003. Lignocellulose biotechnology: Issues of bioconversion and enzyme production. African Journal of Biotechnology 2 (12): 602-619.
- Ismail, R, 2011. Kecernaan *in-vitro*, [http : //rismanismail2.wordpress.com //nilai-kecernaan-part-4/#more-310](http://rismanismail2.wordpress.com//nilai-kecernaan-part-4/#more-310). (diakses 27 Juni 2019, jam 20.18 WIB)
- Jacob AM, Purwaningsih S, Rinto. 2011. Anatomi komponen bioaktif dan aktivitas antioksidan daun mangrove Api-api (*Avicennia marina*). Jurnal Pengolahan Hasil Perikanan Indonesia 14(2): 143-152.
- Kamal, M. 1998. *Nutrisi Ternak I*. Rangkuman. Lab. Makanan Ternak, jurusan Nutrisi dan Makanan Ternak, Fakultas Peternakan, UGM. Yogyakarta.
- Kusmana, C., A. Suryani, Y. Hartati dan P. Oktadiyani. 2009. Pemanfaatan jenis pohon Mangrove api-api (*Avicennia spp.*) sebagai bahan pangan dan Obat-obatan. IPB.
- Komar, A. 1984. Teknologi Pengolahan Jerami Padi sebagai Makanan Ternak. Jakarta : Yayasan Dian Grahita.
- Komisarczuk, S. and M. Durand. 1991. Effect of Mineral On Microbial Metabolism. In. Rumen Microbial Metabolism and Ruminant Digestion. J. P. Jouany (ED) INRA publ. Versailles, France.
- Lopez, S. 2005. In vitro and In Situ Techniques for Estimating Digestibility. Dalam J. Dijkstra, J. M. Forbes, and J. France (Eds). Quantitative Aspect of Ruminant Digestion and Metabolism. 2nd Edition. ISBN 0-85199-8143. CABI Publishing, London
- Mathius, I-W. dan A.P. Sinurat. 2001. Pemanfaatan Bahan Pakan Inkonvensional untuk Ternak. Wartazoa. Vol. 11. No. 2. Hal 27-28
- Maxwell, G.S. and Lai, C., 2012. *Avicennia marina* foliage as a salt enrichment nutrient for New Zealand dairy cattle. ISME/GLOMIS Electronic Journal 10(8): 22-24.
- McDonald, P., Edwards, R.A., Greenhalgh, J.F.D., Morgan, C.A., Sinclair. L.A. and Wilkinson, R.G., 2010. Animal Nutrition. Seventh Edition. Longman, New York.
- Muis, A., C. Khairani, Sukarjo dan Yogi P. R., 2008. Petunjuk Teknis Teknologi Pendukung Pengembangan Agribisnis di Desa P4MI. Badan Penelitian

Dan Pengembangan Pertanian Balai Pengkajian Teknologi Pertanian Sulawesi Tengah. Sulawesi Tengah.

- Prakkasi, A. 1999. Ilmu Nutrisi dan Makanan Ternak Ruminansia. Indonesia. Jakarta : University Press.
- Pell, A.D., J.R. Cherney and J.S. Jones. 1993. Technical note: Forage *In Vitro* Dry Matter Digestibility as influenced by Fibre Source in The Donor Cow Diet. *J. Animal Sci* 71
- PERSGA, 2004. Status of Mangroves in the Red Sea and Gulf of Aden. PERSGA Technical Series, No. 11, Regional Organization for the Conservation of the Environment of the Red Sea and Gulf of Aden, Jeddah, Saudi Arabia.
- Preston, T.R., and Leng, R.A. 1987. Matching ruminant production systems with available resources in the tropics and sub tropics. Penambul Books: Armidale, Australia.
- Reddy, N., and Yang Y. 2006. Properties of High Quality Long Natural Cellulose Fibers from Rice Straw. *J. Agric. Food Chem.*, 54 (21): 8077–8081 DOI: 10.1021/jf0617723
- Roxas, D. E., Castillo, L.S., Obsioma, A., Lapitan, R. M., Momongan, V.C. and Juliano, B.O. 1984. Chemical Composition and *In Vitro* Digestibility of Straw from Different Varieties of Rice, In the Utilization of Fibrous Agricultural Residues as Animal Feed. Edited by P.T. Doyle. University of Melbourne. Parkville Victoria
- Sarnklong, C., Cone, J. W., Pellikaan, W., and Hendriks. W. H. 2010. Utilization of Rice Straw and Different Treatments to Improve Its Feed Value for Ruminants: A Review. *Asian-Aust. J. Anim. Sci.* 23 (5) : 680 – 692. DOI: <https://doi.org/10.5713/ajas.2010.80619>
- Sath, K., T. Pauly and K. Holtenius. 2013. Mineral Status in Cattle Fed Rice Straw and Para Grass Combined with Different Levels of Protein Derived from Cassava Foliage. *Asian-Australian. J. Anim. Sci.*, 26 (1): 59-64.
- Sarwono, B dan H.B. Arianto. 2003. Penggemukan Sapi potong Secara Cepat. Penebar Swadaya, Jakarta.
- Shahjalal, M., A. B. M. Khaleduzzaman and Z. H. Khandaker. 2008. Micro Mineral Profile of Cattle in Four Selected Areas of Mymensingh District. *J. Anim. Sci.*, 37(1): 44-52.
- Siregar, S. B., 1994. Ransum Ternak Ruminansia. Penebar Swadaya. Jakarta
- Sutardi, T. 1980. Ikhtisar ruminologi. Bahan penataran khusus peternak sapi perah di kayu ambon lembang BPLLP. Dirjen Peternakan/FAO.

- Sutardi. 1982. Landasan Ilmu Nutrisi. Departemen Ilmu Nutrisi dan Makanan Ternak. Fakultas Peternakan IPB. Bogor.
- Sutrisno, C. I. 1983. Pengaruh Minyak Nabati Dalam Mengatasi Defisiensi Zn Pada Sapi Yang Memperoleh Ransum Berbahan Dasar Jerami Padi. Desertasi. Program Pascasarjana. Institut Peratanian Bogor, Bogor.
- Steel, R. G and J. H. Torrie. 1991. Prinsip dan Prosedur Statistika. Suatu Pendekatan Biometrik Edisi. 2, cetakan. 2. Alih Bahasa B. Sumantri. P. T. Gramedia Pustaka Utama. Jakarta.
- Syamsu, J.A., Natsir, A., Siswadi., Abustam, E., Hikmah, Nurlaelah, Muliwarni, Setiawan, A.H., dan Arasy, A.M. 2006. Limbah Tanaman Pangan sebagai Sumber Pakan Ruminansia: Potensi dan Daya Dukung di Sulawesi Selatan. Makassar: Yayasan Citra Emulsi dan Dinas Peternakan Propinsi Sulawesi Selatan.
- Tilley, J. M., and R. A. Terry. 1963. A two stage technique, for in vitro digestion of forage crops. *J. Br. Grassland. Society* 18 (2): 104-111.
- Tillman, A. D., H. Hartadi, S. Reksomadiprodjo, S. Prawirokusumo, L. Lebdosoekojo. 1998. Ilmu Makanan Ternak Dasar. Gadjah Mada University Press. Yogyakarta.
- Van Soest, P. 2006. Rice Straw, the Role of Silica and Treatments to Improve Quality. *Animal Feed Science and Technology*, 130 (1-4):137-171. <http://doi.org/10.1016/j.anifeedsci.2006.01.023>
- Wibowo C, Kusmana C, Suryani A, Hartati Y, Oktadiyani P. 2009. Pemanfaatan pohon mangrove api-api (*Avicennia spp.*) sebagai bahan pangan dan obat. Prosiding Seminar Hasil Penelitian IPB.
- Yunilas. 2009. Bioteknologi Jerami Padi Melalui Fermentasi Sebagai Bahan Pakan Ternak Ruminansia. Departemen Peternakan Fakultas Peternakan Universitas Sumatera Utara. Medan.