

DAFTAR PUSTAKA

- Agus, A. 1997. Pengaruh tipe konsentrat sumber energi dalam ransum sapi perah berproduksi tinggi terhadap produksi dan komposisi susu. **Buletin Peternakan 21 (1) : 45-54.**
- Aldrich, J.M., L.D. Muller and G.A. Varga. 1993. Nonstructural carbohydrate and protein effects on rumen fermentation, nutrient flow and performance of dairy cows. **J. Dairy Sci. 76 : 1091 - 1105.**
- Anggorodi, R. 1990. **Ilmu Makanan Ternak** . PT. Gramedia, Jakarta.
- AOAC. 1980. **Official Methods of Analysis**. 12 th ed. Association of Official Analytical Chemists, Washington D. C.
- Arora, S. P. 1989. **Pencernaan Mikrobial Pada Ruminansia**. Ditejemakan oleh Retno Murwani dan Imam Sutrisno. Gadjah Mada University Press, Yogyakarta.
- Bondi, A. A. 1987. **Animal Nutrition**. Great Britain.
- Berger, L.L., T.J. Klopfenstein and R.A. Britton. 1980. Effect of sodium hydroxide treatment on rate of passage and rate of ruminant fiber digestion. **J. Anim. Sci. Vol. 50 : 745-749.**
- Church, D. C. 1976. **Digestive Physiology and Nutrition of Ruminant**. Vol. 1. Department of Animal Science. Oregon State University, Corvallis, Oregon.
- Church, D. C. 1988. **The Ruminant Animal Digestive Physiology and Nutrition**. Englewood Cliffs, New Jersey.
- Chalupa, W. 1975. Rumen by pass and protection of protein and amino acid. **J. Dairy Sci. 58 : 1199-1218.**
- Czerkawski, J.W. 1986. **An Introduction to Rumen Studies**. Pergamon Press. Oxford.
- Diggins, R.V. and C.E. Bundy. 1969. **Dairy Production**. 3rd Edition. Prentice Hall Inc. Englewood Cliffs. New Jersey.
- Fleck, A.T., K. S. Lusby, F.N. Owens and F.T. McCollum. 1988. Effect of com gluten feed on forage intake, digestibility and ruminal parameters of cattle fed native grass hay. **J. Anim. Sci. 66 : 750 - 757.**

- Gordon, F. J., M. G. Porter, C.S. Mayne, E.F. Unsworth and D. J. Kilpatrick. 1995. Effect of forage digestibility and type of concentrate on nutrient utilization by lactating dairy cattle. **J. Dairy Res.** **65** : 15-27.
- Goering, H.K. and P. J. Van Soest. 1970. **Forage Fiber Analyses**. Agric. Handbook. Agric. Des. Serv. Us. Dep. Agric., Washington. DC.
- Hartadi, H., Soedomo-Reksohadiprodjo dan A.D. Tillman. 1993. **Tabel Komposisi Pakan untuk Indonesia**. Gadjah Mada University Press, Yogyakarta.
- Henson, J. E., D. J. Schingoethe, and H. A. Maiga. 1997. Lactational evaluation of protein supplements of varying ruminal degradabilities. **J. Dairy Sci.** **80** : 385-392.
- Haresign, W. and D. J. A. Cole. 1988. **Recent Developments in Ruminant Nutrition 2**. Page Boos. Ltd., Norfolk.
- Herrera-Saldana, R., R. Gomet-Alarcon, M. Torabi and J.T. Huber. 1990. Influence of synchronizing protein and starch degradation in the rumen of nutrient utilization and microbial protein synthesis. **J. Dairy Sci.** **73** : 142-148.
- Jouany, J.P. 1991. **Ruminant Microbial Metabolism and Ruminant Digestion**. Institut National Dela Recherche Agronomique, Paris.
- Keery, L. M. and H.E. Amos. 1993. Effects of source and level of undegraded intake protein on nutrient use and performance of early lactation cows. **J. Dairy Sci.** **76** : 499-513.
- Kempton, T. J. , J. V. Nolan and R. A. Leng. 1977. Principles for protein nitrogen by pass protein in diet of ruminant nutrition. **World Anim. Review.** **FAO. 22** : 2-10.
- Komar, A. 1984. **Tehnologi Pengolahan Jerami sebagai Makanan Ternak**. Yayasan Dian Grahita. Bandung
- Kustantinah, Z. Bachrudin dan H. Hartadi. 1993. Evaluasi pakan berserat pada ruminansia, Dalam : **Forum Komunikasi Hasil Penelitian Peternakan**. Departemen Pendidikan Dan Kebudayaan. Direktorat Jendral Perguruan Tinggi. Direktorat Pembinaan Penelitian Dan Pengabdian Masyarakat.
- Mahadevan, S., J. D. Erfille and F.D. Sauer. 1980. Degradations of soluble and insoluble protein by *Bacteriodes amylophilus* protease and by rumen microorganism. **J. Anim.Sci.** **50** : 723-728.

- Mansfield, H. R., M. I. Endres and M. D. Stem. 1994. Influence of non-fibrous carbohydrate and degradable intake protein on fermentation by ruminal mikroorganisme in continous culture. **J. Animal Sci. 74 : 2464-2474.**
- Mabjeesh, S., J.A. Ariel, I. Bruckental, S. Zamwell and H. Tagari. 1996. Effect of type of protein supplementation on duodenal amino acid flow and absorption in lactating dairy cows. **J. Dairy Sci. 79 : 1792 – 1801.**
- Mc.Donald, P., R. A. Edward and J. F. D. Greenhalgh. 1988. **Animal Nutrition.** 4 th ed. Loggman, London and New York.
- Nocek. J. E. and S. Tamminga. 1991. Site of digestion of starch in the gastrointestinal tract of dairy cows and its effect on milk yield and composition. **J. Dairy Sci. 74 : 3599-3628.**
- NRC. 1988. **Nutrient Requirements of Dairy Cattle.** 8 th ed. National Academy Press, Washington, DC.
- Orskov, E.R. and M. Ryle. 1990. **Energy Nutrition in Ruminants.** Elsevier Applied Science, London and New York.
- Owens, F.N. and A.C. Goetsch. 1988. Ruminant fermentation. In : D.C. Church (Ed). **The Ruminant Animal Digestion Physiology and Nutrition.** A. Reston Book. Prentice Hall Englewood Cliffs, New Jersey. Pp : 145 – 171.
- Parakkasi, A. 1995. **Nutrisi dan Makanan Ternak Ruminan.** UI Press, Jakarta.
- Prawirokusumo, S. 1994. **Hmu Gizi Komparatif.** BPPE. Yogyakarta.
- Ranjhan, S. K. 1981. **Animal Nutrition in Tropic.** 2 nd. Ed. Ika Publ. House Pvt. Ltd., New Delhi.
- Robinson, P . H., McQueen and P.L. Burgess. 1991. Influence of rumen *undegraded protein* level on feed intake and milk productions of dairy cows. **J. Dairy Sci. 74 :1623-1631.**
- Rode, L.M. and R.D. Satter. 1987. Effect of amount and length of alfafa hay in diets containing barley or com on site of digestion and rumen mikrobal protein syentesis in dairy cow. **J. Anim. Sci. 68 : 445-454.**
- Russell, J.R., A.W. Young and N. A. Jorgensen. 1981. Effect of dietary com starch intake on mminant small intestinal and large intestinal starch digestion in cattle. **J. Anim. Sci. 52 : 1170-1176.**

- Schimedely, H.Archimede, P. Bas, A. Rouzean, S. Muror and D. Sauvant. 1996. Effects of carbohydrates and nitrogen release of the concentrate of rumen fermentation, plasma metabolism and insulin in the dry pregnant goat. **Anim. Feed Sci. and Technol.** **63** : 163 – 176.
- Siregar, S. P. 1994. **Sapi Perah : Jenis Teknik Pemeliharaan Dan Analisa Usaha**. PT. Panebar Swadaya, Jakarta.
- Soedomo–Reksohadiprodjo, M. Soejono dan H. Hartadi. 1997. **Managemen Nutrien Sapi Perah sebagai Kontribusi untuk Pencegahan Polusi Lingkungan**. Laporan Penelitian Hibah Bersaing III/3 .Universitas Gadjah Mada, Yogyakarta.
- Soejono, M. 1991. **Analisis dan Evaluasi Pakan**. Petunjuk Laboratorium Pusat Antar Universitas Bioteknologi, UGM, Yogyakarta.
- Sudjatmogo, Sunarso dan Tswanti. 1988. Pengaruh pemberian berbagai tingkat konsentrat dalam ransum terhadap produksi kadar lemak dan berat jenis air susu sapi perah FH., Dalam : **Seminar Program Penyediaan Pakan dalam Upaya Mendukung Industri Peternakan Menyongsong Pelita V**. Fakultas Peternakan Universitas Diponegoro, Semarang.
- Sunarso. 1988. Bahan pakan berdasarkan kemampuan menyediakan N–NH₃ rumen secara in vitro, Dalam : **Seminar Program Penyediaan Pakan dalam Upaya Mendukung Industri Peternakan Menyongsong Pelita V**. Fakultas Peternakan Universitas Diponegoro, Semarang.
- Syarif, M. Z. 1984. **Ternak Perah**. CV. YasaGuna, Jakarta.
- Tamminga, S., A.M. Van Vuuren, C.J. Van Der Koelen, R.S. Ketelaar and P. L. Van Der Togt . 1990. Ruminant behavior of structural carbohydrates, non-structural carbohydrates and crude protein from concentrate ingredients in dairy cows. **Netherlands J. Agric. Sci.** **38** : 513-526.
- Tillman, A.D., H. Hartadi, S. Reksohadiprodjo, S. Padmowijoto dan S. Lebdo soekojo. 1991. **Ilmu Makanan Ternak Dasar**. Cetakan k-4 Gadjah Mada Press, Yogyakarta.
- Van Soest, P. J. 1994. **Nutritional Ecology of The Ruminant**. 2 nd ed. Cornell University Press. Ithaca - New York.
- Wen-Shyg, P. C., Kuen-Jav, C., Kwen-Shey, K., Junn-Chung, h. and Bi Yu. 1995. Studies on the application of an undegradable protein system to high yielding dairy cattle in Taiwan. **Anim. Sci. and Technol.** **54** : 93-102.
- Widyobroto, B. P. 1992. Pengaruh aras konsentrat dalam ransum terhadap kecemasan pada sintesa nitrogen mikrobial di dalam rumen pada sapi perah produksi tinggi. **Buletin Peternakan . Edisi Khusus.** **241 – 249**.

- Widyobroto, B.P. 1995. .Degradasi protein dalam rumen dan kecemaan protein dalam intestinum. **Kumpulan Makalah Teknik Evaluasi Pakan Ruminansia**. Fakultas Peternakan UGM.
- Widyobroto, B.P., S. Padmowijoto, R. Utomo dan Kustantinah. 1997. Pengaruh perlakuan formaldehide pada bungkil kedelai terhadap degradasi protein di rumen dan kecemaan fraksi *undegraded protein* di intestinum. In : **Prosceding. Seminar Regional. Umu Nutrisi dan Makanan ternak** . IPB, Bogor.
- Widyobroto, B. P.,S. Padmowijoto, R. Utomo dan K. Adiwimarta. 1997. Pendugaan kualitas protein bahan pakan untuk ternak ruminansia 4. kecemaan protein pakan sumber protein (hijauan, konsentrat dan bungkil kedelai *by pass*) dalam intestinum ternak ruminansia. **Laporan Penelitian Hibah Bersaing V/I**. Fakultas Peternakan UGM, Yogyakarta.
- Winsryg, M. D., M.J. Arambel and J.L. Waiters. 1991. The effect of protein degradability on milk composition and production of early lactation somatotropin-injected cows. **J. Dairy Sci. 74 : 1648 – 1653**.
- Winugroho, M., B. Bakrie, T. Panggabean and N.G. Yates. 1993. Pengaruh panjang pemotongan dan perlakuan kimia terhadap jumlah konsumsi dan daya cema jerami padi, Dalam : **Proceedings Pertemuan Dmiah Ruminansia Besar**. Departemen Pertanian, Bogor.