

## DAFTAR PUSTAKA

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- Agus, A. 1997. Pengaruh tipe konsentrat sumber energi dalam ransum sapi perah berproduksi tinggi terhadap produksi dan komposisi susu. *Buletin Peternakan Fakultas Peternakan UGM, Yogyakarta* Vol. 21 (1): 45 - 54.
- A.O.A.C. 1975. **Official Methods of Analysis**. 12<sup>th</sup> Ed. William Horwitz (Ed.). Benjamin Franklin Station. Wasington D.C. pp 129 - 146.
- Arora, S.P. 1989. **Pencernaan Mikroba Pada Ruminansia**. Gadjah Mada University Press. Yogyakarta hal. 9 - 42.
- Astuti, M., 1981. **Rancangan Percobaan dan Analisa Statistik**. Bagian Pemuliaan Teraak Fakultas Peternakan Universitas Gadjah Mada Yogyakarta hal. 13 - 24.
- Beauchemin, K.A. and J.G. Buchanan-Smith. 1990. Effect of fiber source and method of feeding on chewing activities, digestive function, and productivity of dairy cows. *J. Dairy Sd* . 73 (3) : 749 - 762.
- Bogdan, A.V. 1977. **Tropical Pasture and Fooder Plant**. Logman Group Inc. New York. pp. 242 - 243.
- Bo Gohl. 1975. **Tropical Feed: Feeds Information Summaries and Nutritive Values** . FAO of United Nations. Roma pp. 326 - 329.
- Chuzaemi, S. 1994. Potensi jerami padi sebagai pakan temak ditinjau dari kinetika degradasi dan retensi jerami di dalam rumen **Disertasi doktor** Hmu Peternakan di Universitas Gadjah Mada, Yogyakarta hal. 56 - 61.
- Diggins, R.V. and C.E. Bundy. 1979. **Dairy Production**. 3<sup>rd</sup> Edition. Prentice Hall Inc. Englewood Cliffs. New Jersey. pp. 102 - 119.
- Dixon, R.M 1985. Increasing digestible energy intake of ruminant given fibrous diet using concentrate supplement. In: R.M. Dixon (Ed.) **Rumhiant Feeding Systems Utilizing Fttrous Agriculture Residues**. The Australian Development Assistance Bureau. Cambera pp. 59 - 76.
- Dixon, R.M 1986. Effect of dietary concentrates on rumen digestion of fibrous feedstuffs. *Anim. Feed Sri. and Terimol.* 14: 193 - 202.
- El-Shazly, K., B.A Dehority, and R.R. Johnson. 1961. Effect of starch on the digestion of cellulose in vitro and in vivo by rumen mocrroorganisms. *J. Anim. Sci* 20: 268 - 273.



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**PENGARUH TIPE KONSENTRAT TERHADAP KONSUMSI DAN KECERNAAN NUTRIEN PADA SAPIPERANAKAN FRIESIAN HOLSTEIN LAKTASIDENGAN RANSUM BASAL RUMPUT RAJA**

Susanto, Dr. Ir. Ali Agus, DAA, PEA

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- Fahey, G.J. and L.L. Berger. 1988. Carbohydrate nutrient of ruminant. In: D.C. Church (Ed.). **The Ruminant Animal Digestive Physiology and Nutrition**. A Reston Book. Prentice Hall. Englewood Cliffs. New Jersey. pp. 267 - 297
- Fulton, W.R., T.J. Klopfenstein and R.A. Britton. 1979. Adaptation to high concentrate diets by beef cattle. 1. Adaptation to corn and wheat diets. **J. Anim. Sci** Vol 49 (3): 775 - 784.
- Grovum, W.L. 1988. Appetite, palatability and control of feed intake. In: D.C. Church (Ed.). **The Ruminant Animal Digestive Physiology and Nutrition**. A Reston Book. Prentice Hall. Englewood Cliffs. New Jersey. pp. 202 - 216.
- Hartadi, H.L., S. Reksohadiprodjo, S. Lebdoesoekojo, A.D. Tillman. 1980. **Tabel Komposisi Bahan Makanan Ternak untuk Indonesia**. Fakultas Peternakan Universitas Gadjah Mada Yogyakarta hal. 68 - 103.
- Huhtanen, P. 1987. The effect of dietary inclusion of barley, molased sugar beet pulp and molasses on milk production, digestibility and digesta passage in dairy cows given silage based diet **J. Agric. Sci. Find** . 59: 101 - 120.
- Hynd, P. L. 1984. Short note: Effect of starch fermentation products on roughage digestioa **J. Agric. Sci. Camb** . 103: 469 - 470.
- Istasse, L., G.W. Reid, C.A.G. Tait and E.R. Orskoy. 1986. Concentrate for dairy cows: Effect of feeding method, proportion in diet and type. **Anim. Feed Sci. and Techno**). 15: 167 - 182.
- Lubis, D.A. 1963. **Ihnu Makanan Ternak**. Cetakan Kedua PT Pembangunan. Jakarta hal. 80 - 85.
- Malestein, A., A. Th. Van't Klooster, R.A. Prins and G.H.M. Counotte. 1984. Concentrate feeding and ruminal fermentation. 3. Influence of concentrate ingredients on pH, on DL lactic acid concentration in rumen fluid of dairy cows and on dry matter intake. **Neth. J. Agric. Sci** . 32: 9 - 12.
- Mayne, C.S. and F.J. Gordon. 1984. The effect of type of cocentrate and level of concentrate feeding on milk production. **Anim. Prod** . 39: 65 - 76.
- McAllister, T.A., R.C. Phillippe, L.M. Rode, and K.J. Cheng 1993. Effect of the protein matrix on the digestion of cereal grain by ruminal microorganisms. **J. Anim. Sci**. 71 : 205 - 212.
- McCarthy, R.D.Jr., T.H Klusmeyer, J.L. Vicini, J.H. Clark and D.R. Nelson. 1989. Effect of soiree of protein and carbohydrate on ruminal fermentation and passage of nutrients to the small intestine of lactating cows. **J. Dairy Sci**, 72 (8) : 2003 - 2016.



- Mertens, D.R. and J.R. Loften. 1980. Hie effect of starch on forage digestion kinetics in vitro. *J. Dairy Sd* . 63: 1437 - 1446.
- MetCalfe D.S. and D.M. Elkins. 1980. *Crop Production*. 4<sup>th</sup> Ed. Me Millon Co Inc. New York. pp. 333 - 365.
- Montgomery, M.J. and B.R. Banmgardt 1965. Regulation of food intake in ruminants. 2. Ration varying in energy concentration and physical form *J. Dairy Sd*. 48 : 1623 - 1628.
- Morrison, T.B. 1961. **Feed and Feeding**. 2<sup>nd</sup> Ed. The Morrison Publishing Company. Ithaca. New York. pp. 518 - 520.
- Morrow, D.A. 1976. Fat cow syndrome. *J. Dairy Sd*. 59 : 1625 - 1629.
- Murdock, F.R., A.S. Hodgson and R.E. Riley Jr. 1981. Nutritive value of wet brewers grains for lactating dairy cows. *J. Dairy Sd* . 64: 1827 - 1832.
- N.R.C. 1988. **Nutrient Requirements of Dairy Cattle**. 8<sup>th</sup> Ed. National Academy Press. Washington D.C. pp. 2 - 6, 52 - 62.
- Orskov, E.R. 1982. **Protein Nutrition in Ruminants**. Academic Press. London. pp. 20 - 21
- Orskov, E.R. 1986. Starch digestion and utilization in ruminants. *J. Anim. Sci*. 63: 1624 - 1633.
- Orskov, E.R. and M. Ryle. 1990. **Energy Nutrition in Ruminants**. Elsevier Applied Science. London and New York. pp. 52 - 62.
- Owens, F.N. and AL. 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.
- Pienaar, J.P., C.Z Roux and G.P. Kuhn. 1990. Effect of starch fermentation in the rumen on voluntary intake of roughage and kinetics digestion. *S. Afr. J. Anim. Sd*. 20(4) : 207 - 215.
- Pulungan, H., J.E. Van Eys dan M Rangkuti. 1986. Penggunaan ampas tempe sebagai makanan tambahan untuk kambing lepas sapih. *Ilmu dan Peternakan*. Balitnak Bogor. Vol 2: 109 - 112.
- Ranjhan, S.K. 1981. *Animal Nutrition in Tropics*. 2<sup>nd</sup> Ed. Vikas Hansl PVT Ltd. New Delhi. pp. 53 - 92.
- Rode LM. 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 microbial protein syntesis in dairy cow. *Can. J. Anim. Sd* . 68: 445 - 454.

- Santini, F.J., A.R. Hardie, N.A. Jorgensen and M.F. Firmer. 1983. Proposed use of adjusted intake based on forage particle length for calculation of roughage indexes. **J. Dairy Sci** . 66 : 811 - 820.
- Sommart, K., M. Wanapat, D.S. Parker, and P. Rowlinson. 1996a. The effect of non structural carbohydrate and dietary crude protein on feed intake, ruminal fermentation and performance in milking dairy cows. **Proc. The 8<sup>th</sup> Animal Science Congress of the AAAP**. Chiba, Japan. pp.142 - 143.
- Sommart, K., M. Wanapat, D.S. Parker, and P. Rowlinson. 1996b. Cassava chip as an energy source for lactating dairy cows fed rice straw. **Proc. The 8<sup>th</sup> Animal Science Congress of the AAAP**. Chiba, Japan. pp. 160 -161.
- Siregar, M. 1989. Produksi hijauan dan nilai nutrisi tiga jenis rumput pennisetum dengan sistem potong angkut. Dalam: **Proceeding Pertemuan Dmiah Ruminamia. Ruminansia Besar**. Bogor. Tanggal 8 sampai 10 November 1988. hal. 1 - 4.
- Soedomo, R., M. Soejono, B.P. Widyobroto dan H. Hartadi. 1996. **Manajemen Nutrisi Sapi Perah sebagai Kontribusi untuk Pencegahan Polusi Lingkungan**. Laporan Penelitian Hibah Bersaing Pertanian. Fakultas Peternakan UGM. Yogyakarta. hal. 35 - 37.
- Soejono, M. 1992. Aplikasi bioteknologi di bidang pakan dan nutrisi ternak. **Buletin Peternakan**. Edisi Khusus Desember 1992. Fakultas Peternakan Universitas Gadjah Mada. Yogyakarta hal. 57 - 67.
- Sutton, J.D., J.A. Bines, S.V. Morant, D.J. Napper and D.I. Givens. 1987. A comparison of starchy and fibrous concentrates for milk production, energy utilisation and hay intake by Friesian cows. **J. Agric. Sci Camb**. 109: 375 - 386.
- Tamminga, S., A.M. van Vuuren, C.J. van Der Koelen, R.S. Ketelaar and P.L. van Der Togt 1990. Ruminal behaviour of structural carbohydrates, non structural carbohydrates and crude protein from concentrate ingredients in dairy cows. **Neth. J. Agric. Sci** . 38: 513 - 526.
- Tillman, A.D., H. Hartadi, S. Reksohadiprodjo, S. Prawirokusumo dan S. Lebdoesokotjo. 1991. **Dura Makanan Ternak Dasar**. Cetakan kelima. Gadjah Mada University Press. Yogyakarta. hal. 12 - 17, 128 - 145, 195 - 202.
- Uden, P. 1984. The effect of intake and hay : concentrate ratio upon digestibility and digesta passage. **Anim. Feed Sci Technol** 11: 167 - 179.
- Van Soest, P.J. 1994. **Nutritional Ecology of the Ruminants**. 2<sup>nd</sup> Ed. Com Books Corvallis. pp. 240 - 254, 374.

- Van Soest, P.J. and H.K. Goering, 1975. **Forage Fiber Analysis**. Agric. Handbook. A.R.S. USDA. pp. 279 - 280.
- Varga, G.A and W.H. Hoover. 1983. Rate and extent of neutral detergent fiber degradation of feedstuffs in situ. **J. Dairy Sci.** 66 : 2109 - 2115.
- Wanapal, M., K. Sommart, S. Uriyapongson, W. Toburan, D. Parker and P. Rowlinson. 1996. Effect of cassava pellet as energy source in finishing ration of beef cattle. **Proc. The 8<sup>th</sup> Animal Science Congress of the AAAP**. Chiba, Japan. pp. 158 - 159.
- Widyobroto, B.P. 1992. Pengaruh aras konsentrat dalam ransum terhadap kecernaan dan sintesa N mikroba di dalam rumen pada sapi perah produksi tinggi. **Buletin Peternakan**. Edisi khusus. Fakultas Peternakan UGM. Yogyakarta hal. 241 - 249.