

DAFTAR PUSTAKA

- Abayasekara, D. R. and D. C. Wathes. 1999. Effects of altering dietary fatty acid composition on prostaglandin synthesis and fertility. *Prostaglandins Leukot. Essent. Fatty Acids* 61: 275 - 287.
- Adiveter, L. 2014. Scientific opinion on the safety and efficacy of formaldehyde for all animal species. In : European Food Safety Authority (EFSA) Panel on Additives and Products or Substance Used in Animal Feed (FEEDAP) Parma, Italy. *EFSA Journal* 12: 3562.
- Ackman, R. G. 2006. Marine lipids and omega-3 fatty acids. In : *Handbook of Functional Lipids* C.C. Akoh Ed. CRC Press Taylor and Francis Group, Boca Raton, FL. p. 311 - 324
- Akif, M. Y. R. K., T. Aksu, M. Gul, and D. Bolat. 2006. The effect of soybean meal treated with formaldehyde on amount of protected protein in the rumen and absorption of amino acid from small intestines. *Turk. J. Vet. Anim. Sci.* 30: 457 - 463.
- Ambrose, D. J. and J. P. Kastelic. 2003. Dietary fatty acids and dairy cow fertility. *Adv. in Dairy Tech.* 15: 35 - 46.
- Anggraeny, Y. N. dan K. N. Hudha. 2005. Efektivitas penggunaan formaldehida sebagai pelindung protein terhadap pencernaan *in vitro* protein kasar bungkil kelapa. *Proceeding Seminar Nasional Teknologi Peternakan dan Veteriner 2005*. Loka Penelitian Sapi Potong, Grati Pasuruan.
- AOAC, 2005. *Official Methods of Analysis AOAC International The Association of Official Analytical Chemist*. 18th Edition, 2005, ISBN 0-935584-77-3. Published by AOAC International Suite 500 481 North Frederick Avenue, Gaithersburg, Maryland 20877,
- Baliarti, E., W.T.H.M. Christoffor, dan Soenardi. 2010. *Post partum* Productivity of Simmental-Ongole Crossed Cows of the First Generation Compared to Ongole Crossed Cows Kept by Farmers. In : *Proceedings 5th International Seminar on Tropical Animal Production*, October 19-22, Faculty of Animal Science, Gadjah Mada University, Yogyakarta.
- Baliarti, E. dan Aryogi. 2012. Pengaruh Ketinggian Tempat terhadap Performans Fisiologi Sapi Induk Silangan Peranakan Ongole. In : *Proceeding of National Seminar on Zootechniques for Indigenous Resources Development*, October 19-20, Faculty of Animal Agriculture Diponegoro University joint published by Indonesian Society of Animal Agriculture, Semarang.
- Arifin, Z. 2007. Stabilitas formaldehid dalam daging ayam selama penyimpanan. Dalam: *Seminar Nasional Teknologi dan Veteriner*. Balai Besar Penelitian Veteriner. Bogor pp. 588 - 592.

- Arora, S. P. 1989. Pencernaan Mikrobial pada Ternak Ruminansia, Terjemahan oleh Retno Muwarni. Gadjah Mada University Press, Yogyakarta.
- Baldwin, R. L. and M.J. Allison. 1983. Rumen metabolism. J. Anim. Sci. 57: 461 - 475.
- Bauman D. E., J. W. Perfield II, M. J. deVeth, and A. L. Lock. 2003. New perspectives on lipid digestion and metabolism in ruminants. Proc. Cornell Nutr. Conf. 175 - 189.
- Bergman, E.N. 1990. Energy contributions of volatile fatty acids from the gastrointestinal tract in various species. Physiological reviewer. 70 (2):567 - 583.
- Busquet, M., S. Calsamiglia, A. Ferreta, and C. Kamel. 2005. Effects of cinnamaldehyde and garlic oil on rumen microbial fermentation in a dual flow continuous culture. J. Dairy Sci. 88: 2508 – 2516.
- Block, E., E. H. Evans, and C. J. Sniffen. 2008. Hydrogenation of fatty acids in rumen measurement. Feedstuffs, 80:19, May 2008. p. 1 – 3.
- Chaney, A. L. and E. P. Marbach. 1962. Modified reagents for determination of urea and ammonia. Clinical Chem. 8:130 – 132.
- Chaves, A. V., K. Stanford, L. L. Gibson, M. E. R. Dugan, T. A. McAllister, F. Van Herk, and C. Benchaar. 2011. A dose of cinnamaldehyde supplementation on intake, ruminal fermentation, blood metabolites, growth performance, and carcass characteristics of growing lambs. Livest. Sci. 141: 213 - 220.
- Cheeke, P.R. 1991. Applied Animal Nutrition. Feed and Feeding. 2nd Edition. Department of Animal Science. Prentice Hall, Inc. New Jersey.
- Church, D. C. 1986. Livestock Feeds and Feeding. Third edition. Prentice Hall. International Edition. New York.
- Cleslak, A., R. Miltko, G. Belzecki, M. Szumacher-Strabel., A. Potkanski, E. Kwiatkowska, and T. Michalowski. 2006. Effect of vegetable oils on the methane concentration and population density of the rumen ciliate, *Eremoplastron dilobum* grown in vitro. J. Anim. And feed Sci. 15(1):15 -18.
- DeFries, C. A. , D. A. Neuendorff, and R. D. Randel. 1998. Fat supplementation influences *post partum* reproductive performance in Brahman Cows. J. Anim. Sci. 76: 864 - 870.
- Diaz, A., M. Avendano, and A. Escobar. 1993. Evaluation of *Sapindus saponaria* as a defaunating agent and its effect on different ruminal digestion parameters. Livest. Res. Rural Develop. 5 (2) : 11 - 17.
- Dijkstra, J. and S. Tamminga. 1995. Simulation of the effects of diet on the contribution of rumen protozoa to degradation of fibre in the rumen. Br. J. Nutr. 74 (5): 617- 634.

- Dirandeh, E., A. Towhidi, S. Zeinoaldini, M. Ganjkanlou, and Z. A. Pirsaraei. 2013. Effects of different polyunsaturated fatty acid supplementations during the *post partum* periods of early lactating dairy cows on milk yield, metabolic responses, and reproductive performances. *J. Anim. Sci.* 91: 713 - 721 (Abstr.).
- Doreau, M. and Y. Chilliard. 1997. Digestion and metabolism of dietary fat in farm animals. *Br. J. Nutr.* 78: S15 - S35.
- Drackley, J.K. 2007. Overview of at digestion and metabolism in dairy cow. <http://www.livestocktrail.illinois.edu/uploads/dairynet/papers/Overview%20of%20Fats%2004.pdf>. [Diakses tanggal 13 Juni 2013].
- Duckett, S. K. and M. H. Gillis. 2010. Effect of oil source and fish oil addition on ruminal biohydrogenation of fatty acids and conjugated linoleic acid formation in beef steers fed finishing diets. *J. Anim. Sci.* 88: 2684 - 2691.
- Durmic, Z., C. S. McSweeny, G. W. Kemp, P. Hulton, R. J. Wallace, and P. E. Vercoe. 2003. Australian plants with potential to inhibit bacteria and processes involve in ruminal biohydrogenation of fatty acids. *J. Anim. Feed Sci. Technol.* 145: 271 - 284.
- Emanuele, S. M. and D. Putnam. 2006. Encapsulating nutrients to improve reproduction and nitrogen utilization in ruminants. In proceedings : Ruminant Nutrition Symposium, February 1-2, Florida Best Western Gateway Grand, Gainesville FL.
- Engle, T. E., J. W. Spears, V. Fellner, and J. Odle. 2000. Effects of soybean oil and dietary copper on ruminal and tissue lipid metabolism in finishing steers. *J. Anim. Sci.* 78: 2713 - 2721.
- Ferlay, A., F. Legay, D. Bauchart, C. Poncet, and M. Doreau. 1992. Effect of a supply of raw or extruded rapeseeds on digestion in dairy cows. *J. Anim. Sci.* 70: 915 - 923.
- Fievez V., F. Dohne, M. Danneels, K. Raes, and D. Demeyer. 2003. Fish oils as potent rumen methane inhibitors and associated effects on rumen fermentation *in vitro* and *in vivo*. *Anim. Feed Sci. Technol.* 104: 41- 58.
- Filipek, J. and R. Dvorak. 2009. Determination of the volatile fatty acid content in the rumen liquid : comparasion of gas chromatografi and capillary isotachopheresis. *Acta Vet. Brno.* 78: 627 - 633.
- Forde, N., M. E. Beltman, P. Lonergan, M. Diskin, J. F. Roche, and M. A. Crowe. 2010. Oestrus cycles in bos taurus cattle. *Anim. Reprod. Sci.* doi:10.1016/j.anireprosci.2010.08.95.
- Fraser, G. R., A. V. Chaves, Y. Wang, T. A. McAllister, K. A. Beauchemin, and C. Benchaar. 2007. Assessment of the effeects of cinnamon leaf oil on rumen microbial fermentation using two continous culture systems. *J. Dairy Sci.* 90: 2315 - 2328.

- Funston, R. N. 2004. Fat supplementation and reproduction in beef females. *J. Anim. Sci.* 82: 154 - 161.
- Gasperz, V. 1995. Teknik Analisis dalam Penelitian Percobaan. Penerbit Tarsito, Bandung.
- Ghasemzadeh-Nava, H., F. Fatahnia., A. Nikkhah, and M. J. Zamiri. 2011. Effect of dietary polyunsaturated fatty acids on ovarian function and prostaglandin secretion in lactating dairy cows. *Int. J. Vet. Res* 2: 129 - 135.
- Halliwell, G. and J. Lovelady. 1981. Utilization of carboxymethylcellulose and enzyme synthesis by *Trichordema koningii*. *J. General Microbiol.* 126: 211 - 217.
- Hartadi, H., Reksohadiprodjo, S., Lebdosukojo, S., and A. D. Tillman. 1980. Tabel-tabel dari Komposisi Bahan Makanan Ternak Untuk Indonesia. International Feedstuffs Institute Utah Agricultural Experiment Station, Utah State University Logan, Utah.
- Hartati, L., A. Agus., B. P. Widyobroto, and L. M. Yusiati, 2012. In vitro digestibilities of six rumen protected fat-protein supplement formulas. *J. Animal Production.* 14(1) : 1 - 5.
- Harwanto. 2013. Pengaruh penambahan kayu manis (*Cinnamomum burmanni* Ness ex Bl.) sebagai sumber sinamaldhide dalam pakan terhadap produksi metan dan kinerja domba ekor tipis. Thesis. Program Pascasarjana Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta
- Hess, B. W., G. E. Moss, and D. C. Rule. 2008. A decade of developments in the area of fat supplementation research with beef cattle and sheep. *J. Anim. Sci.* 86: E188 - E204.
- Hristov, A. N., P. M. Vander, M. Agle, S. Zaman, and C. Schneider. 2009. Effect of lauric acid and coconut oil on ruminal fermentation, digestion, ammonia losses from manure, and milk fatty acids competition in lactating cows. *J. Dairy Sci.* 92: 5561 - 5582.
- Jayanegara, A., A. S. Tjakradidjaja, and T. Sutardi. 2006. Fermentabilitas dan pencernaan *in vitro* ransum limbah agroindustri yang disuplementasi kromium organik dan anorganik. *Media Peternakan.* 29(2) : 54 - 62.
- Jenkins, T. C. 1993. Lipid metabolism in the rumen. *J. Dairy Sci.* 76: 3851 - 3863.
- Jenkins, T. C., R. J. Wallace, P. J. Motae, and E. E. Mosly. 2008. Board-invited review : Recent advances in biohydrogenation of saturated fatty acids within the rumen microbial ecosystem. *J. Anim. Sci.* 86: 397 - 412.

- Johnson, M. C. 2007. Understanding Rumen Fermentation : I. Effect o high DHA Algae oil on microbial biohydrogenation and II. Monitroing microbial shifts in response to antibiotics and oil using T-RFLP analysis. Thesis. Master Science Nutrition and Animal Science, Raleigh, North California, USA.
- Johannsen, F. R., G. J. Levinkas, and A. S. Tegeris. 1986. Effects of formaldehyde in the rat and dog following oral exposure. *Toxicology Letters*, 30: 1 - 6 (Abstr.).
- Jordan, E. D., K. Lovett, F. J. Monahan, J. Callan, B. Flynn, and F. P. O'Mara. 2006. Effect of refined coconut oil or copra on methane output and on intake and performance of heifers. *J. Anim.Sci.* 84: 162 - 170.
- Kamra, D. N. 2005. Rumen microbial ecosystem. *Curr. Sci.* 89: 124 - 125
- Kompiang, I. P. A., Supriadi, dan V. Simamora. 1981. Pendayagunaan Hasil Limbah Perikanan Lemuru untuk Makanan Ternak dan Ikan. Proseding Seminar Perikanan Lemuru Banyuwangi 18 - 21 Januari. Pusat Penelitian dan Pengembangan Pertanian. Departemen Pertanian. Jakarta.
- Lee, J. B. 1974. Prostaglandin. In : Williams, R.H. Textbook of endocrinology. Fifth edition. W.B Saunders company, Philadelphia, London, Toronto, Agaku shoin Ltd, Tokyo.
- Lee, M. R. F., J. K. S. Tweed, A. P. Moloney, and N. D. Scollan. 2006. The effects of fish oil supplementation on rumen metabolism and the biohydrogenation of unsaturated fatty acids in beef steers given diets containing sun flower oil. *J. Anim. Sci.* 80: 361 - 367.
- Lopes, C.N., A. B. Scarpa, B. I. Cappellozza, R. F. Cooke, and J. L. M. Vasconcelos. 2009. Effects of rumen-protected polyunsaturated fatty acid supplementation on reproductive performance of *Bos indicus* beef cows. *J. Anim. Sci.* 87: 3935 - 3943.
- Lourenc, M., E. Ramos-Morales, and R. J. Wallace. 2010. The role of microbes in rumen lipolysis and biohydrogenation and their manipulation. *Animal* (2010), 4(7):1008 - 1023 & *The Animal Consortium* 2010.
- Lovley, D. R., R. C. Greening, and J. G. Ferry. 1984. Rapidly growing rumen methanogenic organisme that synthesizes coenzyme and has a high affinity for formale. *Appl. Environ. Microbiol.* 48 (1): 81 – 87.
- Mahadevan, S., R. M. Teather, J. D. Erfle, and F. D. Sauer. 1983. Effect of formaldehyde treatment of soybean meal on rates of protein degradation and microbial protein concentration in bovine rumen. *Can. J. Anim. Sci.* 63: 181 - 190,
- Mattos, R., C. R. Staples, and W. W. Thatcher. 2000. Effects of dietary fatty acids on reproduction in ruminants. *Review of Reproduction* 5: 38 - 45.

- Mayes, P. A. and K. M. Botham. 2000. Metabolisme of unsaturated fatty acids and eicosanoids. In : Harper's Illustrated Biochemistry. 26th edition. Mc Graw Hill, India.
- McDonald, P., R. A. Edward, and J. F. D. Greenhalgh. 1989. Animal Nutrition. 4th edition. English Language Book Society, Longman, London.
- Mohammadian-Tabrizi, H. R., H. Sadeghipanah, M. Chamani, Y. Ebrahim-Nejad, and H. Fazaeli. 2011. In vitro gas production of wheat grain flour coated with different fat types and levels. African J. Biotech. 10(39): 7710 - 7716.
- Moss, A. R., J. P. Jouny, and J. Newbold. 2000. Methane production by ruminants : Its contribution to global warming. INRA, EDP Sci. Ann. Zootech. 49: 231 - 253.
- Nelson, D. L. and M. M. Cox. 2005. Principle of Biochemistry. Lehninger. 4th Ed. Wisconsin, Madison.
- Nobar, R. S. 2011. Ruminant dry matter degradability of treated *soybean meal* source of escape protein. African J. Biotech. 10(41): 8090 - 8092
- Oldham, J. D., I. C. Hart, and J. A. Bines. 1982. Formaldehyde-treated proteins or dairy cows-effects on blood hormone concentration. Er. J. Nutr. 48: 543 - 547.
- Owens, F. N. and A. L. Goetsch. 1988. Ruminant fermentation. In The Ruminant Animal Digestive Physiology and Nutrition. D.C. Church Ed. Prentice Hall, Englewood Cliffs, New Jersey
- Palizdar, M. H., H. Sadeghipanah, H. Amanlou, H. R. Mohammadian-Tabrizi, and A. Mirhadi. 2012. Effect of soybean meal coated with fat on in vitro organic matter fermentation and gas production. J. Anim. and Vet. Adv, 11 (2): 171 - 180.
- Parakkasi, A. 1999. Ilmu Nutrisi dan Makanan Ternak Ruminan. Universitas Indonesia Press. Jakarta.
- Peter, A. P., E. E. Hatfield, F. N. Owens Andu, and S. Garrigus. 1970. Effects of aldehyde treatments of soybean meal on in vitro ammonia release, solubility and lamb performance. J. Nutrition. 101: 605 - 612.
- Petit, H. V., R. J. Dewhurst, J. G. Proulx, M. Khalid, W. Haresign, and H. Twagiramungu . 2001. Milk production, milk composition, and reproductive function of dairy cows fed different fats. Can. J. Anim. Sci. 81: 263 - 271.
- Plummer, D.T. 1987. An Introduction to Practical Biochemistry. Third Edition. MC. Graw-Hill Book Company. Publ. New Delhi.

- Ponter, A. A., A. E. Parsy, M. Saade, J. P. Mialot, C. Ficheux, C. D. Ponter, and B. Grimard. 2006. Effect of a supplement rich in linolenic acids added to the diet of post partum dairy cows on ovarian follicle growth and milk and plasma fatty acid compositions. *Reprod. Nutr. Dev.* 46: 19 - 29.
- Riyanto, J., S. D. Widyawati, dan W. Pratitis. 2011. Suplementasi PUFA (*Poly Unsaturated Fatty Acid*) dalam konsentrat dari bahan pakan lokal pada usaha feedlot sapi silangan berbasis pakan basal jerami padi fermentasi untuk dihasilkan daging sapi rendah lemak dan kolesterol serta tinggi asam lemak tidak jenuh. Laporan penelitian "Hibah Startegi Nasional" Direktorat Jenderal Pendidikan Tinggi, Kementrian Pendidikan Nasional.
- Robinson, R. S., P. G. A. Pushpakumara, Z. Cheng, A. R. Peters, D. R. E. Abayasekara, and D. C. Wathes. 2002. Effects of dietary polyunsaturated fatty acids on ovarian and uterine function in lactating dairy cows. *Reproduction* 124: 119 - 131.
- Roche, J. F. 2008. Control and regulation of folliculogenesis a symposium in perspective. *Rev. Reprod.* 1: 19 - 27.
- Santos, J. E. P., T. R. Bilby., W. W. Thatcher., C. R. Staples, and F. T. Silvestre. 2008. Long chain fatty acids of diet as factors influencing reproduction in cattle. *Reprod. in Dom. Anim.* 43: 23 - 30.
- Schmidt, S. P., N. A. Jorgensen., N. J. Benevenga, and V. H. Brungardt. 1973. Comparison of soybean meal, formaldehyde treated soybean meal, urea and starea for steers. *J. Anim. Sci.* 37: 1233 - 1237.
- Schmidt, S. P., N. J. Benevenga, and N. A. Jorgensen. 1974. Effect of formaldehyde treatment of soybean meal on the performance of growing steers and lambs. *J. Anim. Sci.* 38: 646 - 653.
- Schrooyen, P. M., M., R. van der Meer, and C. G. De Kruif. 2001. Microencapsulation: its application in nutrition. *Proceedings of the Nutrition Society* 60: 475 - 479.
- Scholljegerdes, E. J. , B. W. Hess, G. E. Moss, D. L. Hixon, and D. C. Rule. 2004. Influence of supplemental cracked high-linoleate or high-oleate safflower seeds on site and extent of digestion in beef cattle. *J. Anim. Sci.* 82: 3577 - 3588
- Scott, T. W. and Ashes, J. R. 1993. Dietary lipids for ruminants : protection, utilization and effects on remodelling of skeletal muscle phospholipids. *Australian J. Agric. Research* 44: 495 - 508.
- Stanton, T. L., F. N. Owens, and K. S. Lusby. 1983. Formaldehyde-treated soybean meal for ruminants grazing winter range grass. *J. Anim. Sci.* 56: 6 - 14.

- Staples, C. R., J. M. Burke, and W. W. Thatcher. 1998. Influence of supplemental fats on reproductive tissues and performance of lactating cows. *J. Dairy Sci.* 81: 856 - 871.
- Sudarmadji, S., Haryono, dan B. Suhardi. 1977. *Prosedur Analisa untuk Bahan Makanan dan Pertanian*. Liberty. Yogyakarta.
- Suhartanto, B., R. Utomo., Kustantinah, I. G. S. Budisatria, dan L. M. Yusiati .2014. Pengaruh penambahan formaldehid pada pembuatan *undegraded protein* dan tingkat suplementasi pada pelet pakan lengkap terhadap aktivitas mikrobial rumen secara *in vitro*. *Buletin Peternakan Vol.* 38(3) : 141 - 149.
- Thatcher, W. W. and C. R. Staples. 2000. Effects of dietary fat supplementation on reproduction in lactating dairy cows. *Adv. in Dairy Tech.* 12: 213 - 232.
- Thatcher, W. W., M. Binelli, D. Arnold, R. Mattos, L. Badinga, F. Moreira, C. R. Staples, and A. Guzeloglu. 2001. Endocrine and physiological events from ovulation to establishment of pregnancy in cattle. *Occ. Publ. Br. Soc. Anim. Sci.* 26 (1): 81 - 92.
- Tilley, J. M. A. and R. A. Terry. 1963. A two stage technique for *in vitro* digestion of forage crop. *Journal of the British Grassland Society.* 18:104 - 111.
- Tillman, A. D., H. Hartadi, S. Reksohadiprodjo, S. Prawirokusumo, dan S. Lebdoesoekojo. 1991. *Ilmu Makanan Ternak Dasar*. Gadjah Mada University Press. Yogyakarta.
- Tiven, N. C., L. M. Yusiati., Rusman and U. Santoso. 2011a. Ketahanan asam lemak tidak jenuh dalam *crude palm oil* terproteksi terhadap aktivitas mikrobial rumen Domba *in vitro*. *Media Peternakan.* hal 42 - 49.
- Tiven, N. C., L. M. Yusiati, Rusman, and U. Santoso. 2011b. Minimize the hydrogenation of saturated fatty acid in rumen with formaldehyde. *Indo. J. Chem.* 2011. 11 (1). 43 - 47.
- Tiven, N. C., L. M. Yusiati, Rusman and U. Santoso. 2012. Effect of crude palm oil production on fermentation parameter and rumen microbial activity of Male Local Lamb. *Animal Production* 14 (3) : 141 - 146.
- Tyagi, N., S. S. Thakur, and S. K. Shelke, 2010. Effect of bypass fat supplementation on productive and reproductive performance in crossbred cows. *Trop. Anim. Health Prod.* 42: 1749 - 1755.
- Utomo, R. 2010. Modifikasi metode penetapan pencernaan *in vitro* bahan kering atau bahan organik. *Buletin Sintetis. Yayasan Dharma Agrika.* Semarang. 5(1): 1 - 11.

- Widiyastuti, T. dan E. Susanti. 2008. Produk fermentasi rumen dan sintesis protein mikroba dari complete feed block berbahan dasar limbah pertanian dengan proses ammoniasi dan penggunaan berbagai binder. Prosedng seminar Nasional Teknologi Peternakan dan Veteriner. Fakultas Peternakan Universitas Jendral Soedirman, Purwokerto.
- Wallace, J. M. W., McCabe, A. J., Robson, P. J., Keogh, M. K., Murray, C. A., Kelly, P. M., Marquez-Ruiz, G., McGlynn, H., Gilmore, W. S., and J. J. Strain. 2000. Bioavailability of *n*-3 polyunsaturated fatty acids (PUFA) in foods enriched with microencapsulated fish oil. *Annal. of Nut. and Met.* 44: 157 - 162.
- Wallace, R. J. and M. A. Cotta. 1988. Metabolism in nitrogen-containing compounds. In : *The rumen microbial ecosystem*. Edited by P. N. Hobson. Elsevier Applied Science. London.
- Weimer, P. J. 1996. Why don't ruminal bacteri digest cellulose faster? *J. Dairy. Sci.* 79: 1496 - 1502.
- Williams, G. L., and R. L. Stanko. 2000. Dietary fats as reproductive nutraceuticals in beef cattle. *J. Anim. Sci.* 77: 1 - 12.
- Winarti, E. dan Supriyadi. 2010. Penampilan reproduksi ternak sapi potong betina di Daerah Istimewa Yogyakarta. Seminar Nasional Teknologi Peternakan dan Veteriner.
- Wonnacott, K. E., W. Y. Kwong, J. Hughes, A. M. Salter, R. G. Lea, P. C. Garnsworthy, and K. D. Sinclair. 2010. Dietary *omega*-3 and -6 polyunsaturated fatty acids affect the composition and development of sheep granulosa cells, oocytes and embryos. *Reproduction* 39: 57 - 69.
- Yusiati, L. M., Z. Bachrudin, Soegiyanto, Kustantinah, and C. Hanim. 2006. The Inhibition of Methane Release from the Cellulolytic Fermentation as an Effect of Lemuru Fish Oil Addition. *Proceedings 4th International Seminar on Tropical Animal Production*, November 8-9, Faculty of Animal Science, Gadjah Mada University, Yogyakarta.
- Yusiati, L. M., Z. Bachrudin, C. Hanim, and E. Lestari. 2008. The Effect of Sardine (*Sardinelle longiceps*) Oil as a Source of Methanogenesis Inhibitor Agent on the Rumen Fermentation Product of the Diet Containing Different Level of Forages. In *Proceedings International Seminar The Management Strategies of Animal Health and Production Control in the Anticipation of Global Warming for the Achievement of Millenium Development Goal*. Juni 3-4. Faculty of Veterinary Medicine Airlangga University, Surabaya.