

DAFTAR PUSTAKA

- Ahima, R. S., and Flier, J. S. 2000. Leptin. *Annu. Rev. Physiol.* Vol. 62:413-437.
- Awad, W. A., K. Ghareeb, S. Abdel-Raheem, and J. Bohm. 2009. Effects of dietary inclusion of probiotic and synbiotic on growth performance, organ weights, and intestinal histomorphology of broiler chickens. *Poult. Sci.*, Vol. 88:49–55.
- Baraas, F. 1994. Mencegah Serangan Jantung degan Menekan Kolesterol. PT. Gramedia. Jakarta.
- Bray, J.L. 2008. The impacts on broiler performance and yield by removing antibiotic growth promoters and an evaluation of potential alternatives. Dissertation. Texas A&M University.
- Chan, W., J. Brown, S, M. Lee and D. H. Buss. 1995. Meat, Poultry, and Game. The Royal Society of Chemistry and Ministr of Agriculture, Fisheries and Food. London.
- Chien, P. C., and Frishman, W. H. 2003. Lipid Disorder Diagnosis and Treatment in Cardiology. 2nd Second Edition. Ed. Crawford M. Lange Medical Book. New York.
- Belkacem, B. and K. Mebrouk. 2011. Short communication: antibiotic resistance os some lactobacili isolated from the gut microflora of broiler. *African Journal of Microbiology Research* Vol. 5: 1707-1709.
- Dickinson, J. R. and Schweizer, M. 2004. The metabolism and molecular phusiology of *saccharomyces cerevisiae*. CRC Press. London. P. 22.
- Djunaidi, I. H. 2010. Evaluasi penggunaan hasil fermentasi limbah udang dalam pakan terhadap performa dan kualitas daging broiler. Disertasi Program Pasca Sarjana UGM. Yogyakarta.
- El-Banna, H. A., H. Y. El-Zorba, T. A. Attia, and A. AbdElatif. 2010. Effect of probiotic, prebiotic and synbiotic on broiler performance. *World Applied Sciences Journal*, Vol. 11: 388-393.
- Endo, T. and M. Nakano. 1999. Influence of a probiotic on produvtivity, meat components, lipid metabolism, cecal flora and metabolites, and raising environment in broiler production. *J. Anim. Sci.* Vol. 70 no. 4: 207-218.

- Ferket, P. R., C. W. Parks, and J.L. Grimes. 2002. Benefits of dietary antibiotic and mannanoligosaccharide supplementation for poultry. Multi-State Poultry Meeting. 14-16 Mei 2002.
- Fotiadis, C. I., C. N. Stoidis, B.G. Spyropoulos, and B.G. Zografos. 2008. Role of probiotics, prebiotics and synbiotics in chemoprevention for colorectal cancer. *World J Gastroenterol* Vol. 14: 6453-6457.
- Fouladi, P., S. D. Nobar, and A. Ahmadzade. 2008. Effect of canola oil in liver's and blood's cholesterol and triglyceride contents in broiler chicks. *Journal of Poultry Science* Vol. 2 no. 3: 63-66.
- Fritts, C. A. and P. W. Waldroup. 2003. Evaluation of bio-mos® mannan oligosaccharide as a replacement for growth promoting antibiotics in diets for turkeys. *International Journal of Poultry Science* Vol. 2: 19-22.
- Griggs, J. P. and J. P. Jacob. 2005. Alternatives to antibiotics for organic poultry production. *J. Appl. Poult. Res.* Vol. 14:750–756.
- Gunawan dan Sundari. 2003. Pengaruh penggunaan probiotik dalam ransum terhadap produktivitas ayam. *Wartazoa* Vol. 13 no. 3: 92-98.
- Hajati, H. and M. Rezaei. 2010. The application of prebiotics in poultry production. *International Journal of Poultry Science* Vol. 9: 298-304.
- Hofacre, C. L., T. Beacorn, S. Collett, and G. Mathis. 2003. Using competitive exclusion, mannan-oligosaccharide and other intestinal product to control necrotic enteritis. *J. Appl. Poult. Res.* Vol. 12: 60-64.
- Hooge, D. 2003. *Bacillus* spores may enhance broiler perform. *Feedstuffs* Vol. 75: 1-5.
- Hossain, M. E., S. Y. Ko, G. M. Kim, J. D. Firman and C. J. Yang. 2012. Evaluation of probiotic strains for development of fermented *alisma canaliculatum* and their effect on broiler chickens. *Poultry Science*, Vol. 91: 3121-3131.
- Hughes, R. J. 2003. Energy metabolism of chickens: physiological limitations. Rural Industries Research and Development Corporation.
- Ivanovic, S. M., Baltic, J, Popov-raljic, B. Pisinov, D. Maslic-Strizak, Z. Stojanovic and I. Pavlovic. 2012. The effect of different probiotic on

- broiler meat quality. African Journal of Microbiology Research Vol. 6 no. 5: 937-943.
- Jin, L. Z., Y. W. Ho, N. Abdullah, and S. Jalaludin. 1996. Influence of dried *bacillus subtilis* and lactobacilli cultures on intestinal microflora and performance in broilers. AJAS Vol. 9: 397-403.
- Kalavathy, R., N. Abdullah, S. Jalaludin, and Y. W. Ho. 2003. Effects of lactobacillus cultures on growth performance, abdominal fat deposition, serum lipids and weight of organs of broiler chickens. Br. J. Poult. Sci., Vol. 44: 139-144.
- Kankaanpaa, P., B. Yang, H. Kallio, E. Isolauri and S. Salminen. 2004. Effect of polyunsaturated fatty acids in growth medium on lipid composition and on physicochemical surface properties of lactobacilli. Appl. Environ. Microbiol Vol. 70:129-136.
- Kartikasari, L. R., Soeparno, dan Setiyono. 2001. Komposisi kimia dan studi asam lemak daging, dada ayam broiler yang mendapat suplementasi metionin pada pakan berkadar protein rendah. Buletin Peternakan Vol. 25 no. 1: 33-39.
- Klaver, F. A. M., and V. D. Meer. 1993. The assumed assimilation of cholesterol by lactobacilli and *Bifidobacterium bifidum* is due to their bile salt-deconjugating activity. Appl. Environ. Microbiol., Vol. 59: 1120-1124.
- Konjufca, V. H., G.M. Pesti and R.I. Bakalli. 1997. Modulation of cholesterol levels in broilers meat by dietary garlic and copper. Poult. Sci. Vol. 76: 1264-1271.
- Kusumawati, N., L. J. Bettysri, S. Siswa, Ratihdewanti dan Hariadi. 2003. Seleksi bakteri asam laktat indigenous sebagai galur probiotik dengan kemampuan menurunkan kolesterol. Journal mikrobiologi Indonesia. Vol. 8 no. 2: 39-43.
- Libertina, I., A. Tri, O. Sjojfan and U. Kalsum, 2009. Proceedings international research seminar and exhibition international symposia on the recent advances of microbiology in health bio industry, agriculture and enviroment, 2010 Nov 20-21; PERMI Surabaya.
- Line, J. E., J. S. Bailey, N. A. Cox, N. J. Stern, and T. Tompkins. 1998. Effect of yeast-supplemented feed on salmonella and campylobacter populations in broilers. Poultry Science Vol. 77: 405-410.

- Liu, X., H. Yan, Le, L., Q. Xu, C. Y, K. Zhang, P. Wang and H. Jiye. 2012. Growth performance and meat quality of broiler chickens supplemented with *bacillus licheniformis* in drinking water. Asian-Aust. J. Anim. Sci., Vol. 25 No. 5: 682-689.
- Martínez, B. F., A. A. Contreras, and E. A González. 2010. Use of *saccharomyces cerevisiae* cell walls in diets for two genetic strains of laying hens reared in floor and cages. International Journal of Poultry Science Vol. 9: 105-108.
- Markovic, R., Šefer, D., Krstic, M., Petrujkic, B. 2009. Effect of different growth promoters on broiler performance and gut morphology. Arch Med Vet, Vol. 41: 163-169.
- Mathews, C. K. and K. E. Van Holde. 1990. Biochemistry. The Benjamin Cummings Publishing Company, Inc. Canada.
- McCann, M. E. E., E. Newell, C. Preston, and K. Forbes. 2006. The use of mannan-oligosaccharides and/or tannin in broiler diets. International Journal of Poultry Science Vol. 5 : 873-879.
- Moran, E. T. 1997. The Gastrointestinal System Office for Educational Practice. University of Guelph. Guelph. Canada.
- Mountney, G. J. 1996. Poultry Product Technology. 2nd. The Avi Publishing Company, Inc. Westport. Connecticut.
- Muchtadi, T. R dan Sugiyono. 1992. Petunjuk Laboratorium. Ilmu Pengetahuan Bahan Pangan. Departemen Pendidikan dan Kebudayaan Dirjen Pendidikan Tinggi Pusat Antar Universitas Pangan dan Gizi. Institut Pertanian Bogor.
- Muhajir. 2002. Turunkan Kolesterol Ayam Kampung dengan Lisin. Poultry Indonesia.
- Murray, Mayes, Peter, A., Robert, K., Daryl, K., Granner, Victor, W., Rodwel. 1996. Biokimia Harper. Edisi 24. Penerbit buku kedokteran ECG. Jakarta.
- Murwani, R. 2008. Aditif Pakan. Unnes Press. Semarang.
- Nahashon, S. N., H. S. Nakaue and L. W. Mirosh. 1996. Performance of single comb white leghorn fed a diet supplemented with a live microbial during the growth and egg laying phases. Anim. Feed Sci. Techol vol 57:25-38.

- Nelson, D. L. and M. M. Chox. 2000. *Lehninger Principles of Biochemistry*. 3rd edition. Worth Publishers, New York.
- Panda, A. K., M. R. Reddy, and N. K. Praharaj. 2001. Dietary supplementation of probiotic on growth, serum cholesterol and gut microflora of broilers. *Indian. J. Anim. Sci.*, Vol. 71: 488-490.
- Pastariati, E. B. Wasito dan D. Handijatno, 2003. Pengaruh lama penyimpanan daging ayam pada suhu refrigerator terhadap jumlah total kuman, salmonela sp. Kadar Protein dan Keasaman. *JBP*, Vol. 5 no. 2.
- Patterson, J. A. and K. M. Burkholder. 2003. Application of prebiotics and probiotics in poultry production. *Poultry Science* vol 82:627–631.
- Pelicano, E. R. L., P. A. Souza, H. B. A. Souza, D. F. Figueiredo, M. M. Boiago, S. R. Carvalho, and V. F. Bordon. 2005. Intestinal mucosa development in broiler chickens fed natural growth promoters. *Brazilian Journal of Poultry Science* vol 7: 221-229.
- Prasetyo, R. P., S. S. Santosa, dan N. Iriyanti. 2013. Penggunaan level pakan fungsional terhadap kadar lemak dan protein ayam broiler. *Jurnal ilmiah peternakan*, Vol. 1 No. 1: 289-298.
- Poedjadi, A. 1994. *Dasar-dasar Biokimia*. UGM Press. Yogyakarta.
- Raja, M. M. M., A. Raja, and M. M. Imran. 2009. *Lactobacillus* as a probiotic feed for chickens. *International Journal of Poultry Science* vol 8: 763-767.
- Rasyaf. 2002. *Beternak Ayam Pedaging*. Penebar Swadaya. Jakarta.
- Rasyaf, M. 2005. *Beternak Ayam Pedaging*. Edisi Revisi. Penerbit penebar Swadaya, Jakarta.
- Santoso, U., and K. Tanaka, 1995. Effect of dried *Bacillus subtilis* culture on growth, body composition and hepatic lipogenic enzyme activity. *British Journal of Nutrition*. Vol. 71: 523-529.
- Santoso, U., K. Tanaka, S. Ohaniand, and M. Saksida. 2001. Effect of fermented product from *Bacillus subtilis* on feed efficiency, lipid accumulation and ammonia production in broiler chicks. *Asian-australas. Journal of Animal Science* vol 14:333-337.

- Sellars, R. I. 1991. Acidophilus products, in: therapeutic properties of fermented milks. Robinson (Ed.). Chapman and Hall. London, New York, Melbourne, Madras.
- Shareef, A. M. and A. S. A. Al-Dabbagh. 2009. Effect of probiotic (*Saccharomyces cerevisiae*) on performance of broiler Chicks. Iraqi Journal of Veterinary Sciences vol 23: 23-29.
- Soeparno. 2009. Ilmu dan Teknologi Daging. Cetakan Kelima. Gadjah Mada University Press, Yogyakarta.
- Soeparno. 2011. Ilmu Nutrisi dan Gizi Daging. UGM Press, Yogyakarta.
- Solichedi, K., U. Atmomarsono, dan V.D. Yuniarto. 2003. Pemanfaatan kunyit (*Curcuma domestica* val) dalam ransum broiler sebagai upaya menurunkan lemak abdominal dan kadar kolesterol darah. J. Indon. Trop. Anim. Agric. Vol. 28 No. 3.
- Spring, P., C. Wenk, K. A. Dawson, and K. E. Newman. 1999. The effects of dietary mannanoligosaccharides on cecal parameters and the concentrations of enteric bacteria in the ceca of salmonella-challenged broiler chicks. Poultry Science vol 79: 205-11.
- Subronto dan Tjahyati. 2008. Ilmu Penyakit Ternak III (Farmakologi Veteriner). Gadjah Mada University Press. Yogyakarta.
- Sudarmadji, S., B. Haryono dan Suhardi. 1996. Analisa Bahan Makanan dan Pertanian. Liberty dan PAU Pangan dan Gizi UGM. Yogyakarta.
- Swiercsewska, K.M. and J. B. Niemiec. 1994. Effect of diet on total lipids and cholesterol concentration in breast and leg muscles, liver and adipose tissue of broiler chickens. Proceedings 9th Eur. Poultry Conference. Vol. 1. Glasgow UK. Pp. 22728.
- Teitelbaum, J. E. 2010. Prebiotics and lipid metabolism. In, Handbook of Prebiotics and Probiotics Ingredients. Cho, S. S. And Finocchiaro, E. T. Ed.
- Tizard, I. R., R. H. Carpenter, B. H. McAnalley, and M.C. Kemp. 1989. The biological activities of mannans and related complex carbohydrates. Mole. Biother., Vol. 1: 290-296.
- Wahju, J. 2004. Ilmu Nutrisi Unggas. Gadjah Mada University Press. Yogyakarta.

- Waldroup, P. W., Rondon, E. O., dan Fritts, C. A. 2003. Comparison of bio-mos and antibiotic feeding in broiler diets containing copper sulfate. *International Journal of Poultry Science*. Vol. 2 No. 1: 28-31.
- Winarno, F. G. 2008. *Kimia Pangan dan Gizi Edisi Terbaru*. PT. Gramedia Pustaka Utama. Jakarta.
- Winedar, Hanifiasti, L. Shanti, dan Sutarno. 2004. Daya cerna protein pakan, kandungan protein daging dan penambahan berat badan ayam broiler setelah pemberian pakan yang di fermentasi dengan effective microorganisms-4 (EM-4). *Bioteknologi* Vol. 3 no. 1: 14-19.
- Wu, Y. B., V. Ravindran, D. G. Thomas, M. J. Birtles, and W. H. Hendriks. 2004. Influence of phytase and xylanase, individually or in combination, on performance, apparent metabolisable energy, digestive tract measurements and gut morphology in broilers fed wheat-based diets containing adequate level of phosphorus. *Br. Poult. Sci.* Vol 45:76-84.
- Yalcinkaya, I., T. Gungor, M. Bafialan, and E. Erdem. 2008. Mannan oligosaccharides (mos) from *saccharomyces cerevisiae* in broilers: effects on performance and blood biochemistry. *Turkey Journal of Veterinary Animal Science* vol 32: 43-48.
- Yang, S., J. Chen, H. Shang, T. Cheng, S. C. Tsou, and J. Chen. 2005. Effect of synbiotics on intestinal microflora and digestive enzyme activities in rats. *World J Gastroenterol* vol 11: 7413-7417.
- Yuniastuti, A., 2008. *Gizi dan Kesehatan*. Cetakan I. Graha Ilmu, Yogyakarta.
- Zhou, X., Y. Waang, Q. Gu and W. Li. 2010. Effect of dietary probiotic, *bacillus coagulans*, on growth performance, chemical composition, and meat quality of guangxi yellow chicken. *Animal Science College Zhejiang University*. China.
- Zulfanita, R. Eny, dan M. D. P. Utami. 2011. Pembatasan ransum berpengaruh terhadap penambahan bobot badan ayam broiler pada periode pertumbuhan. *Mediagro*, Vol. 7 No. 1: 59-67.