

DAFTAR PUSTAKA

- Adult Treatment Panel-ATP-III. 2001. *The Third Report of the Detection, Evaluation, and Treatment of High Blood Cholesterol in Adult*. National Cholesterol Education Program (NCEP).
- Aprilyanto, V. dan Sembiring, L. 2016. *Filogenetika Molekuler : Teori dan Aplikasi*. Innosain. Ygyakarta. Hal. 123
- Apriyantono, A. and Indrawaty. 1998. Comparison of flavor characteristic of domestic chicken and broiler as affected by diffrent processing and broiler as affected by processing methods. *Elsevier Science*. Amsterdam. P. 279-295
- Ardo, T. 2018. Asosiasi Polimorfisme Gen Myostatin terhadap Pertumbuhan Ayam Hibrida Hasil Persilangan F1 Kamper dengan BC1 Broiler. *Tesis Fakultas Biologi Universitas Gadjah Mada*. Yogyakarta.
- Auboeuf, D., J. Rieusset, and L. Fajas. 1997. Tissue distribution and quantification of the expression of mRNAs of peroxisome proliferator-activated receptors and liver X receptor gamma in humans. *No alteration in adipose tissue of obese and NIDDM patients*. *Diabetes* 46 : 1319-1327
- Basmacioglu, H. and M. Ergul. 2005. Research of the Factor Affecting Cholesterol Content and Sme Other Characteristics of Eggs in Laying Hen. *Turk. J. Vet. Anim. Sci.* 29 : 157-164
- Butler, J. M. 2001. *Forensic DNA Typing*. Elsevier Academic Press. United Kingdom. P. 13-55
- Butler, J. M. 2005. *Short Tandem Repeat Analysis for Human Identity Testing. STR Typing Current Protocols in Human Genetic Unit*. Elsevier Academic Press. New York. P. 1-37
- Cahyono, B. 2005. *Ayam Buras Pedaging*. Penebar Swadaya. Jakarta
- Campbell, N. A., J. B. Reece., L. A. Urry., M. L. Cain., S. A. Wasserman., P. V. Minorsky., and R. B. Jackson. 2013. *Biologi Edisi 8 Jilid 1*. Erlangga. Jakarta. Hal. 93-95, 321
- Chacon-Cortes, D. and L.R. Grffiths. 2014. Methods for extracting genomic DNA from whole blood sample: current perspectives. *Journal of Biorepository Science for Applied Medicine* 2:1-9.
- Chahal, G. S. and S. S. Gosal. 2003. *Principle and Procedures of Plant Breeding : Botechnological and Conventional Approaches*. Narosa Publishing House. New Delhi
- Chamary, J. V. and L. D. Hurst. 2009. *The Price of Silent Mutation*. Scientific American.
- Cooper, G. M. 1997. *The Cell : A Molecular Approach*. Sinauer Associates, Inc. Sunderland. P. 110-111
- D'Andre, H. C., W. Paul, X. Shen, X. Jia, R. Zhang, L. Sun, and X. Zhang. 2013. Identification and characterization of genes that control fat deposition in chickens. *J Anim Sci Biotechnol.* 4(1) : 43
- Dharmayanti, N.L.P.I. 2011. *Filogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi*. Wartazoa 21(1): 1-10.
- Duan, K., Y. Sun., X. Zhang., T. Zhang., W. Zhang., J. Zhang., G. Wang., S. Wang., L. Leng., H. Li., and N. Wang. 2015. Identification and characterization of

- transcript variants of chicken peroxisome proliferator-activated receptor gamma. *Poultry Science*. 94(10) : 2516-2527
- Ebert, D., M. Lipsitch., and K. L. Mangin. 2000. The Effect of Parasites on Host Population Density and Extinction: Experimental Epidemiology with *Daphnia* and Six Microparasites. *The American Naturalist* (156)5:459-477.
- Fadilah, R dan Fatkhuroji. 2013. *Memaksimalkan Produksi Ayam Ras Petelur*. PT AgroMedia Pustaka. Jagakarsa. Hal. 12
- Fadilah, R. 2005. *Panduan mengelola peternakan ayam broiler komersial*. AgroMedia Pustaka. Jakarta. Hal. 81
- Fairbanks, D. J. and W. R. Andersen. 1999. *Genetics : The Continuity of Life*. Brookss/Cole Publishing Company. New York. P. 287
- Ferrini, G., E. G. Manzanilla, D. Menoyo, E. Esteve-garcia, M. D. Baucells, and A. C. Barroeta. 2010. Effects of Dietaru n-3 fatty acids in Fat Metabolism and Thyroid Hormone Levels when Compared to Dietary Saturated Fatty Acids in Chicken. *Livest Sci*. 131 : 287-291
- Fita, M. 2007. Pengaruh Pemberian Ekstrak Temulawak dan Ekstrak Kunyit Melalui Air Minum terhadap Kadar HDL dan LDL Darah ayam Broiler. *Tesis*. Universitas Jenderal Sudirman. Purwekorto.
- Gearing, K. L., A. Vrickmore, and J. Gustafsson. 1994. Structure of the Mouse Peroxisome Proliferator-Activated Receptor Alpha Gene. *Biochemical and Biophysiological Research Communication*. 199 : 255-263
- Gillespie, J. R. and F. B. Flanders. 2009. *Modern livestock and poultry production Eighth edition*. Nelson Education. Ltd. Canada. P 10.
- Grundy SM, Becker D, Clark LT, Cooper RS, Denke MA, Howard WJ. Evaluation, and Treatment of High Blood Cholesterol in Adults (Adult Treatment Panel III). Amerika Serikat : *National Institute Of Health National Heart, Lung And Blood Institute*
- Grygiel-Gorniak, B. 2014. peroxisome Proliferator-activated receptors and their ligans : nutritional and clinical implications- a review. *Nutritional Journal* 13:17. P. 2-6
- Guyton, A. C. and J. E. Hall. 2007. *Buku Ajar Fisiologi Kedokteran Edisi 9*. Jakarta : EGC
- Han, Q., W. Shou-zhi, H.U. Guo, NAD L. Hui. 2011. Haplotypes at the 5'-Flanking Region of PPARgamma Gene and Their Association with the Growth and Body Composition Traits in Chicken. *Science Direct*. 10(2) :296-303
- Han, T., Lee, W., Lee, S., Park, L.G., and Park, H. 2016. Reassessment of Species Diversity of the Subfamily Denticollinae (Coleoptera: Elateridae) through DNA Barcoding. *PLoS ONE* 11(2): e0148602. doi:10.1371/journal.pone.0148602.
- Hartini, M. dan P. A. Okid. 2009. Kadar Kolesterol Darah Tikus Putih (*Rattus norvegicus*) Hiperkolesterolemik setelah Perlakuan. VCO. *Bioteknologi*. 6(2) : 55-62
- Hidayat, C. 2015. Penurunan Deposit Lemak Abdominal pada Ayam Pedaging melalui Managemen Pakan. *WARTAZOA*. 25(3) : 125-134
- Hilz, H., U. Wieggers, and P. Adamietz. 1975. Stimulation of Proteinase K Action by Denaturing Agents: Application to the Isolation of Nucleic Acids and the Degradation of 'Masked' Proteins. *European Journal of Biochemistry* 56: 103-108.

- Hojo, M., I. Takada, W. Kimura, K. Fukuda, and S. Yasugi. 2006. Expression patterns of the chicken peroxisome proliferator-activated receptors (PPARs) during the development of the digestive organs. *Gene Expression Patterns* 6 : 171-179
- Hu, G., S. Z. Wang, Z. P. Wang, Y. M. Li, and H. Li. 2010. Genetic epistasis analysis of 10 peroxisome proliferator-activated receptor γ -correlated genes in broiler lines divergently selected for abdominal fat content. *Poultry Science*. 89(11) : 2341–2350
- Hutt, F. B. 2003. *Genetics of Fowl : The Classic Guide to Poultry Breeding and Chicken Genetic*. Tata Mc. Graw-Hill Publishing Co. Ltd. New York. P : 150, 154, 162 – 164.
- Iskandar, S. 2006. Ayam Silangan Pelung dan Kampung Tingkat Protein Pakan untuk Produksi Daging Umur 12 Minggu. *Wartazoa* 16(2) : 65-71
- Isseman, I and S. Green. 1990. Activation of Member of the Steroid Hormone Receptor Superfamily by Peroxisome Proliferators. *Nature*. 347 : 645-650
- Jabatan Dietetik dan Katering CGH. 2005. Kolesterol. http://www.cgh.com.sg/health_public/pamphlet/Malay/LoweringCholesterol/LC_content1.htm. [14 Oktober 2018].
- Jennen, D. G. J. 2004. *Chicken fatness from QTL to candidate gene*. Wageningen University. The Netherlands. Pp. 176
- Johnson, J. R. 2000. Development of Polymerase Chain Reaction-Based Assays for Bacterial Gene Detection. *Journal of Microbiological Methods*. 41 : 201-209
- Julian, D. 2004. RNA Interference. *Biol. Med. J*. 328:1245-1248
- Kementan, Direktorat Jenderal Peternakan dan Kesehatan Hewan. 2018. *Produksi Daging Ayam Ras Pedaging menurut Provinsi 2009-2016*. Badan Pusat Statistik <https://www.bps.go.id/linkTableDinamis/view/id/1064>. diakses pada tanggal 17 Januari 2018 pukul 16.05
- Kennedy, S. and N. Oswald. 2011. *PCR Troubleshooting and Optimization : The Essential Guide*. Caister Academic Press. Norfolk. United Kingdom. p. 1-7
- Krista, B. dan B. Harianto. 2010. *Buku Pintar Beternak dan Bisnis Ayam Kampung*. PT AgroMedia Pustaka. Jagakarsa. Hal. 20
- Kubawara, T., J. Hsieh, K. Nakashima., K. Taira., and F. H. Cage. 2004. A Small Modulatory dsRNA Specifies the Fate of Adult Neural Stem Cells. *Cell*. 116:779-793
- Kubota, N., Y. Terauchi, H. Tamemoto, T. Yamauchi, K. Komeda, S. Satoh, R. Nakano, C. Ishii, T. Sugiyama, K. Eto, Y. Tsubamoto, A. Okuno, K. Murakami, H. Sekihara, G. Hasegawa, M. Naito, Y. Toyoshima, S. Tanaka, K. Shiota, T. Kitamura, T. Fujita, O. Ezaki, S. Aizawa, and T. Kadowaki. 1999. PPAR gamma mediates high-fat diet-induced adipocyte hypertrophy and insulin resistance. *Mol Cell*. USA. 4(4) : 597-609
- Kumar, N. 2006. *Breeding of Horticultural Crops*. New India Publishing Agency. New Delhi. P. 20
- Lawrence, T. J. L. and V. R. Fowler. 2002. *Growth of Farm Animals*. CABI Publishing. CAB International. Wallingford
- Leclercq, B., D. Hermier, and G. Guy. 1990. Metabolism of very low density lipoproteins in genetically lean or fat lines of chicken. *Reproduction Nutrition Development*. 30 : 701–715

- Lemberger, T. B. Desvergne., and W. Wahli. 1996. Peroxisome Proliferator-Activated Receptor A Nuclear Receptor Signaling Pathway in Lipid Physiology. *Annual Review of Cell and Developmental Biology*. 12 : 335-363
- Liang, M. J. 2015 Estimating the genetic parameters for liver fat traits in *broiler* lines divergently selected for abdominal fat. *Genetics & Molecular Research*. 14 : 9646-9654
- Lippens, M. 2003. *The influence of feed control on the growth pattern and production parameters of broiler chicken*. Gent University. Belgium. Pp. 203
- Luquet, S., J. Lopez-Soriano, D. Holst, C. Gaudel, C. Jehl-Pietri, A. Fredenrich, and P. A. Grimaldi. 2004. Roles of peroxisome proliferator-activated receptor delta (PPARdelta) in the control of fatty acid catabolism. A new target for the treatment of metabolic syndrome. *Biochimie* 86 : 833-837
- MacDougald, O. A., and M. D. Lane. 1995. Adipocyte Differentiation When Precursor are also regulators. *Curr. Biol.* 5:618-621
- Magdeldin. 2012. *Gel Electrophoresis-Principles and Basic*. InTech Publisher. Rijeka Croatia
- Mansjoer, S. S. 2003. Potensi Ayam Buras di Indonesia. *Semiloka Pengkajian Pengembangan Produksi Bibit Ayam Buras dan Itik*. Cisarua.
- Marks, D. B., A. D. Marks., and C. M. Smith. 2000. *Biokimia Kedokteran Dasar*. EGC. Jakarta. Hl. 276-280
- Marti, A., M. A. Martinez-Gonzalez, and J. A. Martinez. 2008. Interaction between genes and lifestyle factors on obesity. *The Proceedings of the Nutrition Society*. 67 : 1-8
- Meng, H., H. Li, J. G. Zhao, and Z. L. Gu. 2005. Differential Expression of Peroxisome Proliferator-Activated Receptors alpha and gamma Gene in Various Chicken Tissues. *Domest. Anim. Endocrinol.* 28 : 105-110
- Mukherjee, R., L. Jow, G. E. Croston, and J. R. Paterniti. 1997. Identification, characterisation, and tissue distribution of human peroxisome proliferator-activated receptor (PPAR) isoforms PPAR γ 2 versus PPAR γ 1 and activation with retinoid X receptor agonists and antagonists. *Journal of Biological Chemistry*. 272 : 8071-8076
- Mulyo, M. B dan P. Raharjo. 2002. *Mengenai Lebih Dekat Ayam Jawa Super Postur Negeri Rasa Kampung*. Agromedia Pustaka. Depok. Hal 8-10
- Murtidjo, B. A. 2003. *Pemotongan, penanganan, dan pengolahan daging ayam*. Penerbit Kanisius. Deresan. Hal. 14
- Murtidjo, M. A. B. 1992. *Pedoman Beternak Ayam Broiler*. Kanisius. Yogyakarta
- Nataamijaya, A. G. 1985. Ayam Pelung : Performance dan permasalahannya. Prosiding Seminar Peternakan dan Forum Peternak Unggas dan Aneka Ternak. *Pusat Penelitian dan Pengembangan Peternakan*. Bogor 19-20 Mater. Hal. 150-158
- Nei, M. 1987. *Molecular Evolutionary Genetics. (Chapter 9)*. Columbia University Press. New York. P:512.
- Nei, M. and S. Kumar. 2000. *Molecular Evolution and Phylogenetics*. Oxford University Press. New York, pp 37 and 147
- Nei, M., and A. K. Roychoudhury. 1974. Genetic variation within and between the three major races of man, Caucasoids, Negroids, and Mongoloids. *The American Journal of Human Genetics* 26: 421-443. PMC 1762596 Freely accessible. PMID 4841634.

- Noorman, R.A., D. B. Thompson, T. Foroud, W. T. Garvey, P. H. Bennett, C. Bogardus, and E. Ravussin. 1997. Genomewide search for genes influencing percent body fat in Pima Indians : suggestive linkage at chromosome 11q21-q22. Pima Diabetes Gene Group. *American Journal of Human Genetics*. 60 : 166-173
- North, M. O. and E. D. Bell. 1990. *Commercial Chicken Production Manual 4th ed.* Van Nostrand Reinhold
- Parker, R. 2002. *Aquaculture science Second edition*. Thomson Learning Inc. New York. P. 281
- Piliang, W. G. dan S. Djojosoebago. 1990. *Fisiologi Nutrisi*. Volume I. Departemen Pendidikan dan Kebudayaan Direktorat Pendidikan Tinggi. Pusat Antar Universitas Ilmu Hayat. Institut Pertanian Bogor, Bogor
- Pratikno, H. 2011. Lemak Abdominal Ayam *Broiler* (*Gallus* sp.) karena pengaruh ekstrak kunyit (*Curcuma domestica* Vahl.) *BIOMA* 13 : 1-8
- Rosen, E. D., P. Sarraf, A. E. Troy, G. Bradwin, K. Moore, D. S. Milstone, B. M. Spiegelman, and R. M. Mortensen. 1999. PPAR gamma is required for the differentiation of adipose tissue in vivo and vitro. *Mol Cell*. USA. 4(4) : 611-7
- Royan, M., G. Y. Meng, F. Othman, A. Q. Sazili, and B. Navidshad. 2011. Effect of conjugated linoleic acid, fish oil, and soybean oil on PPARs (α and γ) mRNA expression in broiler chickens and their relation to body fat deposits. *Int J Mol Sci*. 12 : 8581-8595
- Rukmana, R. 2003. *Ayam Buras Intensifikasi dan Kiat Pengembangan*. Kanisius. Deresan. Hal. 21-22
- Sartika, R. A. D. 2008. Pengaruh Asam Lemak Jenuh, Tidak Jenuh, dan Asam Lemak Trans terhadap Kesehatan. *J Kesehatan Masyarakat Nasional*. 2 : 154-160
- Sato, K. and Y. Akiba. 2002. Lipoprotein lipase mRNA expression in abdominal adipose tissue is little modified by age and nutritional state in broiler chickens. *Poultry Science*. 81 : 846-852
- Sato, K., H. Abe, T. Kono, M. Yamazaki, K. Nakashima, T. Kamada, and Y. Akiba. 2009. Changes in peroxisome proliferator-activated receptor γ gene expression of chicken abdominal adipose tissue with different age, sex and genotype. *Anim. Sci. J.* 80:322-327
- Sato, K., K. Fukao, Y. Seki, and Y. Akiba. 2004. Expression of the Chicken Peroxisome Proliferator-Activated Receptor- γ Gene is Influenced by Aging, Nutrition, and Agonist Administration. *Poultry Science*. 83 : 1342-1347
- Sato, K., Y. Akiba, Y. Chida, and K. Takahashi. 1999. Lipoprotein hydrolysis and fat accumulation in chicken adipose tissues are reduced by chronic administration of lipoprotein lipase monoclonal antibodies. *Poult Sci*. USA. 78(9) : 1286-1291
- Schoonjans, K., B. Staels, and J. Auwerx. 1996b. Role of the peroxisome proliferator-activated receptor (PPAR) in mediating the effects of fibrates and fatty acids on gene expression. *Journal of Lipid Research*. 37: 907-925
- Schoonjans, K., J. Peinado-Onsurbe, and A. M. Lefebvre. 1996a. PPAR α and PPAR γ activators direct a distinct tissue-specific transcriptional response via a PPRE in the lipoprotein lipase gene. *EMBO Journal*. 15: 5336-5348

- Shafique, S. 2012. *Polymerase Chain Reaction*. Lambert Academic Publishing. Saarbrücken. P. 7-10
- Singh, J., N. K. Verma, S. M. Kansagra, B. N. Kate, and C. S. Dey. 2007. Altered PPAR γ expression inhibit myogenic differentiation in C2C12 skeletal muscle cell. *Molecular and Cellular Biochemistry*. 294 : 163-171
- Soegondo, S. 2006. *Farmakoterapi pada Pengendalian Glikemia Diabetes Mellitus tipe 2*. Dalam : Aru, W., Sudoyo., Setiyohadi, B., Alwi, I., Simadibrata, M. K., Setiati, S. *Buku Ajar Ilmu Penyakit Dalam jilid III*. Jakarta : Pusat Penerbitan Departemen Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Indonesia
- Stephens, J. D. 2001. *Intestinal Lipid Metabolism*. Kluwer Academic/Plenum Publishers. Boston
- Suci, D. M. dan W. Hermana. 2012. *Pakan Ayam Cetakan ke-1*. Penebar Swadaya. Jakarta
- Sudarmono, A. S. 2003. *Pedoman Pemeliharaan Ayam Ras Petelur*. Penerbit Kanisius. Jakarta
- Sudaryani, T dan H. Santosa. 1994. *Pembibitan Ayam Ras*. Penebar Swadaya. Jakarta
- Sudjadi. 2008. *Bioteknologi Kesehatan*. Penerbit Kanisius. Deresan. Hal. 93-97
- Sudjiono, K. dan A. I. Setiawan. 2006. *Ayam Kampung Petelur*. Penebar Swadaya. Jakarta. Hal. 6.
- Suhaeni, N. 2005. *Petunjuk praktis beternak ayam kampung*. Ganeca Exact. Jakarta.
- Sujionohadi, K. dan A. I. Setiawan. 2006. *Ayam Kampung Petelur*. Penebar Swadaya. Jakarta. Hal. 6
- Sulistyoningsih, M., M. A. Dzakiy, dan A. Nurwahyunani. 2014. Optimalisasi Feed Additive Herbal terhadap Bobot Badan, Lemak Abdominal, dan Glukosa Darah Ayam Broiler. *BIOMA*. 3(2):1-16
- Sun, Y., R. Liu, X. Lu, Y. Hu, G. Zhao, M. Zheng, J. Chen, H. Wang, and J. Wen. 2013. Association of Polymorphisms in Four Candidate Genes with Carcass and/or Meat-Quality Traits in Two Meat-Type Chicken Lines. *Animal Biotechnology*. 24 : 53-65
- Supriyadi. 2010. *Beternak itik hibrida unggul*. Penebar Swadaya. Jakarta. Hal. 16
- Suryana, D. 2013. *Ternak Ayam*. Dayat Suryana Book. Bogor.
- Takada, I and M. Kobayashi. 2013. Structural Features and Transcriptional Activity of Chicken PPARs (alpha, beta, and gamma). *PPAR Research*. 186312 : 1-7
- Tetsuji, H., M. T. Hiroyuki., K. Kazufumi., K. D. Naoya., K. Kenji., Y. Teruhide., N. Shinsaku., W. Yoshiteru., M. Tadabori., and H. Takao. 2005. RNA Interference of PPAR γ using Fiber Modified Adenovirus Vector Efficiently Suppresses Preadipocyte-to-adipocyte Differentiation in 3T3-L1 Cells. *Gene* 348:157-165
- Tohir, M. M. dan B. T. Wahyu. 2008. *Cara Tepat Merawat dan Melatih Ayam Pelung*. PT. AgroMedia Pustaka. Jagakarsa. Hal. 5
- Tontonoz, P., E. Hu, R. A. Graves, A. I. Budavari, and B. M Spiegelman. 1994. mPPAR γ 2 : tissue-specific regulator of an adipocyte enhancer. *Genes and Development*. 8 : 1224-1234
- Tontonoz, P., E. Hu, R. A. Graves, A. I. Budavari, and B. M. Spiegelman. 1994. mPPAR-y2: tissue specific regulator of an adipocyte enhancer. *Genes & Development* 8: 1224-1234

- Utama, I. V. 2015. Pewarisan Karakter Fenotip dan Pertumbuhan Ayam Hibrida (*Gallus gallus domesticus*) BC1 Hasil Persilangan Ayam F₁ dengan Ayam Pelung. *Seminar Fakultas Biologi Universitas Gadjah Mada*. Yogyakarta
- Utama, I. V. 2016. Asosisasi Polimorfisme Gen Chicken Growth Hormone (cGH) Intron 3 (1705A) dengan Pertumbuhan Ayam (*Gallus gallus domesticus*, Linn. 1758) Backcross 1 Hasil Persilangan F₁ dan Pelung. *Skripsi Fakultas Biologi Universitas Gadjah Mada*. Yogyakarta.
- Wahju, J. 1992. *Ilmu Nutrisi Unggas Cetakan ke-3*. Gadjah Mada University Press. Yogyakarta
- Wang, Y., Y. Mu, H. Li, N. Ding, Q. Wang, Y. Wang, S. Wang, and N. Wang. 2008. Peroxisome proliferator-activated receptor- γ gene: A key regulator of adipocyte differentiation in chickens. *Poult Sci.* 87:226–232
- Wu, G. Q., X.M. Deng, J. Y. Li, N. Li, and N. Yang. 2006. A potential molecular marker for selection against abdominal fatness in chickens. *Poultry Science* 85 : 1896–1899
- Wu, Z., Y. Xie, R. F. Morrison, N. L. Bucher, and S. R. Farmer. 1998. *PPARG*gamma induces the insulin-dependent glucose transporter GLUT4 in the absence of C/EBP alpha during the conversion of 3T3 fibroblasts into adipocytes. *The Journal of Clinical Investigation* 101: 22-32
- Xu, Z. R., M. Q. Wang, H. X. Mao, X. A. Zhan, and C. H. Hu. 2003. Effects of L-carnitine on growth performance, carcass composition, and metabolism of lipids in male broilers. *Poultry Science* 82 : 408–413
- Yaman, M. A. 2010. *Ayam Kampung Unggul*. Penebar Swadaya. Jakarta. Hal. 9
- Yen, C. J., B. A. Beamer, C. Negri, K. Solver, K. A. Brown, D. P. Yarnall, D. K. Burns, J. Roth, and A. R. Shuldiner. 1997. Molecular scanning of the human peroxisome proliferator activated receptor gamma (hPPARgamma) gene in diabetic Caucasian identification of a Pro12Ala PPAR gamma 2 missense mutation. *Biochemical and Biophysical Research Communication*. 241 : 270-274
- Yuwanta, T. 2004. *Dasar Ternak Unggas*. Kanisius. Deresan
- Zheng, S., G. L. Newton, G. Gonick, R. C. Fahey, F. John, N. Apr, and J. F. Wardt. 2016. Radioprotection of DNA by Thiols : Relationship between the Net Charge on a Thiol and Its Ability to Protect DNA. *Radiat. Res. Soc.* 114. 11-27
- Zhou, J. 2008. Effect of dietary conjugated linoleic acid (CLA) on abdominal fat deposition in yellow-feather broiler chickens and its possible mechanism. *Asian Australias J Anim Sci.* 21 : 1760-1765