

DAFTAR PUSTAKA

- Adrial. 2010. Potensi sapi pesisir dan upaya pengembangan di Sumatera Barat. *Jurnal Penelitian dan Pengembangan Pertanian* 29(2): 66-72.
- Allendorf, F. W., G. Luikart and S. N. Aitken. 2013. Conservation and The Genetics of Populations. 2nd Ed. Wiley-Blackwell, USA.
- Bamualim, A. M., R. B. Wirdahayati dan M. Ali. 2006. Profil peternakan sapi dan kerbau di Sumatera Barat. *Balai Pengkajian Teknologi Pertanian Sumatera Barat*.
- Becker, W.M., L.J. Kleinsmith and J.Hardin. 2000. The World of the Cell. Ed 4. The Benjamin Publishing Company, San Franscisco.
- Cheong HS, Yoon DH, Kim LH, Park BL, Chung ER, Lee HJ, Cheong IC, Oh SJ, Shin HD. 2006. Leptin polymorphisms associated with carcass traits of meat in Korean cattle. *Asian-Australasian J Anim Sci.* 19:1529-1535.
- Chilliard Y, M. Bonnet, C. Delavaud, Y.Fauconnier, C. Leroux. 2001. Leptin in ruminants. Gen Expressionin adipose tissue and mammarygland regulation of plasmaconcentration, Domest AnimEndocrinol, 21, 271-295.
- Chung ER, Shin SC, Shin KH, Chung KY. 2008. SNP discovery in the leptin promoter gene and association with meat quality and carcass traits in Korean cattle. *Asian-Australasian J Anim Sci.* 21:1689-1695.
- Corva PM, Fernández Macedo G V., Soria LA, Papaleo Mazzucco J, Motter M, Villarreal EL, Schor A, Mezzadra CA, Melucci LM, Miquel MC. 2009. Effect of leptin gene polymorphisms on growth, slaughter and meat quality traits of grazing Brangus steers. *Genet Mol Res.* 8:105-116.
- Denver RJ, Bonett RM, Boorse GC. 2011. Evolution of leptin structure and function. *Neuroendocrinology.* 94:21-38.
- DGLS. 2003. National Report on Animal Genetic Resources Indonesia. Directorate Generale of Livestock Servisces (DGLS), Directorate of Livestock Breeding . Indonesia.
- Ehrhardt RA., AW. Bell, and YR.Biosclair. 2002. Spatial and deve-lopment regulation of leptin in fetalsheep , *Physiol Regul Integr CompPhysiol*, 282. 1628-1635.
- Friedman J. 2014. Leptin at 20: An overview. *J Endocrinol.* 223:T1-T8.
- Frunhbeck, G., S.A. Jebb and A.M. Prentice. 1998. Leptin: Physiology and pathophysiology. *J. Clin Physiol.* 18: 399-419.

- Hardjosubroto, W. 2001. Genetika Hewan. Fakultas Peternakan. Universitas Gadjah Mada, Yogyakarta.
- Hartl, D. L. 1988. Principle of Population Genetic. Sinauer Associates , Inc. Publisher, Sunderland.
- Jakaria, D. Duryadi., R.R. Noor., B. Tappa dan H. Martojo. 2007. Hubungan polimorfisme gen hormon pertumbuhan MsPI dengan bobot badan dan ukuran tubuh sapi Pesisir Sumatera Barat. Jurnal Indonesia. Trop. Anim. Agric. 32(1): 33-40.
- Jamsari. 2007. Bioteknologi Pemula, Prinsip Dasar dan Aplikasi Analisis Molekuler. Unri Press, Pekanbaru. ISBN 979-979-792-086-9.
- Kim, S and N.M. Moussa. 2000. Symposium: adipocyte function, differentiation and metabolism. J. Nutr. 130: 3110S-3115S.
- Kong, H.S., J.D. Oh., S.G. Lee., Y.S. Hong., W.I. Song., S.J. Lee., H.C. Kim., B.H. Yoo., H.K. Lee and G.J. Jeon. 2006. Association of polymorphisms in the bovine leptin gene with ultrasound measurements for improving in Korean cattle. Asian-Aust. J. Anim. Sci. 19(12): 1691-1695.
- Martojo, H. 2003. A Simple Selection Program For Smallholder Bali Cattle Farmers. In K. Entwistle and D.R . Lindsay (Eds): Strategies To Improve Bali Cattle In Eastren Indonesia. ACIAR Proc. No. 110. Canberra.
- Montaldo, H. H. and C. A. M. Herrera. 1998. Use of molecular markers and major genes in the genetic improvement of livestock. Journal Biotechnology 1 (2): 83-89.
- Muladno. 2002. Seputar Teknologi Rekayasa Genetika. Pustaka Wirausaha Muda, Jakarta.
- National Institute of Health. 2014. Talking glossary of genetic term: Polymerase Chain Reaction (PCR). National Human Genome Research Institute. <http://www.genome.gov/glossary/index.cfm?id=159>. Diakses 29 Agustus 2019, pukul. 20:00 WIB.
- Nei, M and S. Kumar. 2000. Molecular Evolution And Phylogenetics. Oxford University Press, New York.
- Nobari, K., S. Ghazanfari., M.R. Nassiry., M. Tahmoorespur and E. Jorjani. 2010. Relationship between leptin gene polymorphism with economical traits in Iranian Sistani and Brown Swiss cows. Journal of Animal and Veterinary Advances. 9(22): 2807-2810.
- Noor, R.R. 2008. Genetika Ternak. Depok (ID). PT. Penebar Swadaya.

- Nugroho, F.A.D. 2015. Identifikasi pola haplotipe DNA mitokondria udang jari (*metapenaeus elegans*) segara anakan Kabupaten Cilacap Jawa Tengah menggunakan enzim restriksi HindIII. Skripsi. Jurusan Biologi, Fakultas Sains dan Teknologi Universitas Islam Negeri Maulana Malik Ibrahim, Malang.
- Pray, L. A. 2008. Restriction Enzymes. <http://nature.com/scitable/topicpage/Restriction-Enzymes-545>. Diakses ada 20 November 2017, 13:40 WIB.
- Purwantini, D., Ismoyowati., Prayitno dan A. T. A. Sudewo. 2005. Menciptakan Bibit Unggul Itik Lokal Berproduksi Tinggi. Laporan Hibah Bersaing XII. Proyek Pengkajian dan Penelitian Ilmu Pengetahuan dan Teknologi, Direktorat Jenderal Pendidikan Tinggi Departemen Pendidikan Nasional.
- Radji, M. 2011. Rekayasa Genetika: Pengantar Untuk Profesi Kesehatan. Sagung Seto, Jakarta.
- Rusfidra. 2007. Sapi pesisir, sapi asli di Sumatera Barat. <http://www.cimbuk.net/content/view/871/5/>. Diakses 02 Oktober 2018, pukul. 14:00 WIB.
- Saladin, R. 1983. Penamilan sifat-sifat produksi dan reproduksi sapi lokal Pesisir Selatan di provinsi Sumatera Barat. Disertasi. Pascasarjana Institut Pertanian Bogor.
- Sambrook, J and Rusell, David. 2001. Molecular Cloning Third Edition. CSHL Press, New York.
- Sarbaini. 2004. Kajian keragaman karakter eksternal dan DNA mikrosatelit sapi Pesisir di Sumatera Barat. Disertasi. Sekolah Pascasarjana IPB, Bogor.
- Sari, J.M. 2019. Keragaman genetik gen leptin (Lep-MspI) ekson 3 awal pada sapi Pesisir menggunakan metode PCR-RFLP. Skripsi. Fakultas Peternakan Universitas Andalas, Padang.
- Sufro, A. S. M. 1994. Keanekaragaman Genetik. Andi Offset, Yogyakarta.
- Sunatmo, T. I. 2009. Mikrobiologi Esensial. Mikrobiologi IPB, Bogor.
- Taniguchi, Y., T. Itoh., T. Yamada and Y. Sasaki. 2002. Genomic structure and promoter analysis of the bovine leptin gene. IUBMB Life. 53(2): 131-135.
- Tixier-Boichard, M., A. Bordas and X. Rognon. 2009. Characterisation and monitoring of poultry genetic resources. World's Poult Sci. 65: 272-285.
- Vasconcellos, L. P. M. K., D.T. Talhari, A. P. Pereira, L. L. Coutinho and L. C. A. Regitano. 2003. Genetic characterization of aberdeen Angus cattle using molecular markers. Genet. Mol. Biol. 26: 133-137.

Viljoen, G.J., L.H. Nel and J.R. Crowther. 2005. Molecular Diagnostic PCR Handbook. Springer, Dordrecht, Netherland.

Williams, J. L. 2005. The use of marker-assisted selection in animal breeding and biotechnology. Rev. Sci. Tehcnol. Int. Epiz. 24: 379-391.

Yonekura S., K. Kitade, G. Furukawa, K. Takahashi, N Katsumata. 2002. Effect of aging and weaning on mRNA expression of leptin and CCK receptors in the calf rumen and abomasums, Domest Animal Endocrinol, 22. 25-35.

Yoon, J. B., S. A. Berry., S. Seelig and H.C. Towle. 1990. An inducible nuclear factor binds to a growth hormone – regulated gene. Journal of Biological Chemistry. 265: 19947 – 19954

Yuen B. S., P.C Owens, J R. McCarlane, M E. Symonds, L.J. Edwards. 2002. Circulating leptin concentration are positively related to leptin messenger RNA expression in adipose tissue of fetal sheep in pregnant ewe fed at or below maintenance requirements during late gestation, Biol Reprod, 67. 911-916.

Yuniarsih, P., Jakaria dan Muladno. 2011. Eksplorasi Gen Growth Hormone Exon 3 pada Kambing Peranakan Etawah (PE), Saanen dan PESA melalui teknik PCR –SSCP. IPB, Bogor.

Yurnalis, 2015 .Polimorfisme gen hormon pertumbuhan pada sapi Pesisir Sumatera Barat. Disertasi . Program Pasca Sarjana, Universitas Andalas, Padang.

Zhang, Y., R. Proenca., M. Maffei., M. Barone., L. Leopold and J.M. Friedman. 1994. Positional cloning of the mouse obese gene and its human homologue. Nature. 372: 425-432.