

DAFTAR PUSTAKA

- Abidin, M. Z. 2009. Identifikasi Daging Babi pada Produk Olahan dengan Polymerase Chain Reaction-Restriction Fragment Length Polymorphism (PCR-RFLP). (Tesis). Program Pascasarjana. Universitas Gadjah Mada, Yogyakarta.
- Abu, Z. dan S.F. Muhammad. 2007. Ulasan Komprehensif Berdasarkan Syariat dan Sains Modern. Gema Insani Press, Jakarta.
- Aida, A.A., Y.B. Che Man, C.M.V.L. Wong, A.R. Raha, and R.Son. 2005. Analysis of raw meats and fats of pigs using polymerase chain reaction for halal authentication. *Meat Sci.* 69: 47 – 52.
- Alang, H., M. Hatta, dan N. Massi. 2011. Analisis Polimorfisme Gen Vitamin D Receptor (VDR) Exon 9 352 pada Penderita Kusta Di Makassar. Bagian Mikrobiologi. Fakultas Kedokteran. Universitas Hassanudin, Makassar.
- Alberts, B., D. Bray, J. Lewis, M. Raff, K. Roberts, and J.D. Watson. 1994. *Biologi Molekuler Sel (Mengetahui Sel)*. Edisi Kedua. PT. Gramedia Pustaka Utama, Jakarta.
- Allison, L. A. 2007. *Fundamental Molecular Biology*. Blackwell Publishing, Malden.
- Anderson, S. 1981. Sequence and organizations of the human mitochondrial genome. *Nature*. 290: 457 – 465.
- Aris, M., Sukenda, E.Harris, M.F.Sukadi, and M.Yuhana. 2013. Identifikasi molekuler bakteri patogen dan desain primer PCR. *Budidaya Perairan*. 3: 43 – 50.
- Asensio, L., I. Gonza'lez., T. Garci'a., and R.Martin. 2007. Determination of food authenticity by Enzyme-Linked Immunosorbent Assay (ELISA). *Science Direct. Food Control*. 19:1 – 8.
- Ballin, N.Z. 2010. Authentication of meat and meat product. *Meat Science*. 86: 154 – 159.
- Bogenhagen, D.F. 1999. DNA repair of mtDNA in Vertebrates. *Am. J.Hum. Genet.* 64: 1276 – 1281.
- Bottero, M.T. and A. Dalmaso. 2011. Animal species identification in food product . Evolution of biomoleculer methods. Review. *The Veterinary Journal* . 190:34 – 38.
- Campbell, N.A., Reece, B. Jane, Mitchell, G.Lawrence. 2002. *Biologi*. Edisi Kelima Jilid 1, alih bahasa Rahayu Lestari. Erlangga, Jakarta.
- Carson, S. and R. Dominique. 2006. *Manipulation and Expression of Recombinant DNA*. 2nd Edition. Elsevier Academic Press, USA.

- Castresana, J. 2001. Cytochrome-b phylogeny and the taxonomy of great apes and mammals. *Molecular Biology Evolution*.18: 465 – 471.
- Dale, J.W. and M.V. Schantz. 2002. *From Genes to Genomic: Concepts and Applications of DNA Technology*. John Wiley and Sons, Ltd: USA.
- Dunnum J.L. and B.J. Salazar. 2010. Molecular systematics, taxonomy, and biogeography of the genus *Cavia* (Rodentia: Caviidae). *J Zool Syst Evol Res*. 48:376 – 388.
- Erlich, H.A. 1989. *PCR technology: Principles and Applications for DNA Amplifications*. Stockton Press, New York.
- Erwanto, Y., M.Z. Abidin, Sismindari, and A. Rohman. 2012. Pig species identification in meatballs using polymerase chain reaction-restriction fragment length polymorphism for halal authentication. *International Food Research Journal*.19: 901 – 906.
- Erwanto, Y., M.Z. Abidin, A. Rohman, and Sismindari. 2011. PCR – RFLP using BseDI enzyme for pork authentication in sausage and nugget products. *Media Peternakan*. 14 – 18.
- Esposti, M.D., S. Devries, M. Crimi, A. Ghelli, T. Patarnello, and A. Meyer. 1993. Mitochondrial cytochrome b: evolution and structure of the protein. *Biochim. Biophys. Acta* 1143: 243 – 271.
- Faatih, M. 2009. Isolasi dan digesti DNA kromosom (isolation and digestion of chromosomal DNA). *Jurnal Penelitian Sains dan Teknologi*. 10: 61 – 67.
- Fahidin dan Muslich. 1999. *Ilmu dan Teknologi Kulit*. Diklat. Fakultas Teknologi Pertanian IPB, Bogor. 102 – 104.
- Fairbanks, D.J. and W.R. Andersen. 1999. *Genetics: The continuity of life*. Brooks/Cole Publishing Company, New York.
- Farias, I.P., G.Orti, I. Sampaio, H. Schneider, and A. Meyer. 2001. The cytochrome b gene as a phylogenetic marker: the limits of resolution for analyzing relationships among cichlids fishes. *J. Mol Evol*. 53: 89 – 103.
- Fitriyaningsih. 2013. *Optimalisasi Isolasi DNA pada Daging Olahan sebagai Dasar untuk Deteksi Kontaminasi Daging Babi*. (Tesis). Program Pascasarjana Fakultas Peternakan. Universitas Gadjah Mada, Yogyakarta.
- Gaffar, S. 2007. *Buku Ajar Bioteknologi Molekul*. Jurusan Kimia, FMIPA, Universitas Padjajaran, Bandung.
- Geng, R.Q. and Chang H. 2008. Genetic diversity and origin of Menggu cattle. [http:// www.ncbi.nlm.nih.gov/nuccore/193297018](http://www.ncbi.nlm.nih.gov/nuccore/193297018). (Diakses tanggal 7 Desember, 2015).

- Glick, B. R. and J. J. Pasternak. 1994. *Molecular Biotechnology: Principles and Applications of Recombinant DNA*. ASM Press, Washington, D.C.: 64 – 67.
- Goulart, L. R., F.R. Ferreira, and I.M.B. Goulart. 2006. Interaction of Taq I polymorphism at exon 9 of the vitamin D receptor gene with the negative lepromin response may favor the occurrence of leprosy. *Molecular Genetics Laboratory. Institute of Genetics and Biochemistry. Federal University of Uberlandia and National Reference Center of Leprosy. Federal University of Uberlandia (UFU). Campus Umuarama. Uberlandia, MG. Brazil.*
- Griffiths, A.J.F., J.H. Miller, D.T. Suzuki, R.C. Lewontin, and W.M. Gelbert. 1998. *An Introduction to Genetic Analysis*. Six Edition. W.H. Freeman and Company, New York.
- Han.S. 2004. Polymorphism of the mtDNA cytochrome b and NADH dehydrogenase 6 genes in Tsushima and Jeju native horses. <http://www.ncbi.nlm.nih.gov/>. (Diakses tanggal 10 Desember, 2015).
- Hemes, B.D. 1998. *Electrophoresis of proteins*. Oxford university press, New York
- Henry, W.E., L.J. Bratzler, and R.W. Luecke. 1963. Physical and chemical relationships of pork carcasses. *American Society of Animal Science*. 22: 613 – 616.
- Herison, C., Rustikawati, dan Eliyanti. 2003. Penentuan protokol yang tepat untuk menyiapkan DNA genom cabai (*Capsicum sp.*). *Akta Agrosia*. 6: 38 – 43.
- Hidayat. 2009. Analisis Permintaan Bahan Baku Krupuk Rambak Kerbau Di Perusahaan Dwijoyo Kecamatan Pegandon Kabupaten Kendal. (Skripsi). Fakultas Peternakan. Universitas Diponegoro, Semarang.
- Hoelzel, A.R. 1998. *Molecular genetic analysis of populations: A practical approach*. 2nded. Department of Biological Science. University of Durham.
- Ibrahim, L., I. Juliyarsi, dan S. Melia. 2005. Ilmu dan Teknologi Pengolahan Kulit. Fakultas Peternakan Unand. Padang.
- Ilhak, O.I. and A. Arslan. 2007. Identification of Meat Species by Polymerase Chain Reaction (PCR) Technique. *Turk. J. Vet. Anim Sci*. 31: 159 – 163.
- Jean, F.G. 2010. Agarose Gel Electrophoresis-Applications in Clinical Chemistry. *Journal of Medical Biochemistry*. 29: 10 – 14.
- Jonasi, A. 2006. Species Specific Detection Of Meat By Polymerase Chain Reaction Techniques. (Tesis). Corvinus University, Budapest.

- Judoamidjojo. 2009. Topografis Kulit. 2nd ed. Erlangga, Jakarta.
- Khosravinia, H., H.N.N. Murthy, D.T. Parasad, and N. Pirany. 2007. Optimizing factors influenzing DNA extraction from fresh whole avian blood. *African J. of Biotech.* 6: 481 – 486.
- Klug, W.S. and M.R. Cummings. 1994. *Concept of genetics* 4th ed. Merrill Publishing Co. Columbus, Ohio.
- Kocher, Z.,A. S.V. Thomas, S. Meyer, Edwards and F.X. Paabo. 1989. Dynamic of mitochondrial DNA evolution in animal: amplifications and secuencing with conversed primers. *Proceedings of The National Academy of science of the USA.* 86: 6169 – 6200.
- Kochhar, P. S., and C. Certz. 2004. New theoretical and practical aspects of the frying process. *European Journal of Lipid Science and Technology.* 106: 722 – 726.
- Lenstra, J., J.B. Buntier, and F.W. Janssen. 2001. On the origin of meat – DNA techniques for species identification in meat products. *Veterinary Science Tomorrow* 2: 1 – 15.
- Lessinger, A.C., M.A.C. Junquiera, T.A. Lemos, E.L. Kemper, F.R. Da Silva, A.L. Vettore, P. Arruda, and A.M.L.A. Espin. 2000. The mitochondrial genome of the primary screwworm fly *Cochliomyia hominivorax* (Diptera: Calliporidae). *Ins. Mol. Biol.* 9: 521 – 529.
- Liu, W., C. Huang, C. Roos, Q. Zhou, Y. Li, and F. Wei. 2008. Identification of the species, origin, and sex of smuggled douc langur (*Pygathrix* sp.) Remais. *Vietnamese Journal of Primatology.* 2: 63 – 69.
- Lourenço, L.B., P.C.A. Garcia, and S.M. Recco-Pimentel. 2003. Restriction fragment analysis of the ribosomal DNA of *Paratelmatobius* and *Scythrophrys* species (Anura, Leptodactylidae). *Genetics and Molecular Biology* 26 (2): 139 – 143.
- Maede, D. 2006. A strategy for molecular species detection in meat and meat products by PCR-RFLP and DNA sequencing using mitochondrial and chromosomal genetic sequences. *Eur Food Res Technol.* 224: 209 – 217.
- Magdeldin, S. 2012. *Gel Electrophoresis-Principles and Basics.* InTech Publisher, Rijeka, Croatia.
- Merante, F., S. Raha, and M. Ling. 1998. *Molecular Biomethods Handbook.* Humana Press Inc, New Jersey.
- Muladno. 2010. *Teknologi Rekayasa Genetika.* 2nd ed. IPB Press, Bogor.
- Mullis, K.B. 1990. The unusual origin of the polimerase chain reaction. *Scientific American.* 3: 56 – 65.

- Murugaiah, C., Z.M. Noor, M. Mastakim, L.M. ilung, J. Selamat and S.Radu. 2009. Meat species identification and halal authentication analysis using mitochondrial DNA. *Meat Sci.* 83: 57 – 61.
- Naidu, A., R.R. Fitak, A. Munguia-Vega, and M. Culver. 2010. Novel PCR primers for complete mitochondrial cytochrome b gene sequencing in mammals.
- Nakysinghe, K., Y.B. Che Man, and A.Q. Sazili. 2012. Halal authenticity issues in meat and meat products (Review). *Meat Sci.* 91: 207 – 214.
- National Center for Biotechnology Information (NCBI). 2016. Perkiraan amplifikasi *cyt b* dan pemotongan enzim BamHI dan BseDI. <http://www.ncbi.nlm.nih.gov/>. (Diakses tanggal 29 November, 2015).
- Nielsen, A.J. 1973. Anatomical and chemical composition of danish landrace pigs slaughtered at 90 kilograms live weight in relation to litter, sex, and feed composition. *J. Anim. Sci.* 36: 476 – 483.
- Nuraini, H. 2004. Pengembangan Sekuen Repetitive Elemen-1 (PRE-1) sebagai Penanda Molekuler untuk Mendeteksi Material Babi pada Produk Daging Olahan. (Disertasi). Program Pascasarjana. Institut Pertanian Bogor, Bogor.
- Nurwantoro dan S. Mulyani. 2003. Buku Ajar Dasar Teknologi Hasil Ternak. Penerbit Universitas Diponegoro press, Semarang.
- Obrovská I, I. Steinhäuserová, and M. Nebola. 2002. The application of the PCR method to the identification of meat species. *Folia Vet.* 46:113 – 118.
- Ockerman and Hansen. 2000. Animal by-product processing and utilization. Technomic Publishing Company, Inc. Pennsylvania, USA.
- Ong S.B., M.I. Zuraini, M. G. Jurin, Y.H. Cheah, R. Tunung, L.C. Chai, Y. Haryani, F.M. Ghazali, and R. Son. 2007. Meat molecular detection sensitivity of PCR – RFLP in species differentiation of meat from animal origin. *ASEAN Food Journal* 14: 51 – 59.
- Pascoal, A., M. Prado, J. Castro, A. Cepeda, and J. Barrosvelásquez. 2004. Survey of Authenticity of Meat Species in Food Products Subjected to Different Technological Processes, by Means of PCR-RFLP Analysis. *Food Res Technol.* 218: 306 – 312.
- Sriati, N. 2011. Analisis Cemaran DNA Mitokondria Babi pada Produk Sosis Sapi yang Beredar di Wilayah Ciputat Menggunakan Metode *Real-Time* PCR. (Skripsi). Program Studi Farmasi Fakultas Kedokteran dan Ilmu Kesehatan. Universitas Islam Negeri Syarif Hidayatullah, Jakarta.
- Pertiwiningrum, A. 1991. Pengaruh cara pengawetan dan perbedaan lama penyimpanan terhadap kualitas kulit kaki ayam ras tipe pedaging. *Buletin peternakan.* Fakultas Peternakan Universitas Gadjah Mada, Yogyakarta.

- Prusak, B., G. Grzybowski, and G. Zieba. 2004. Taxonomic position of Bison (Linnaeus 1758) and Bison bonasus (Linnaleus 1758) as determined by means of *cyt b* gene sequence. *Animal Science Papers and Reports*. 22: 27 – 35.
- Purnomo, E. 1987. *Pengetahuan Dasar Teknologi Penyamakan Kulit*. Akademi Teknologi Kulit, Yogyakarta.
- Radiman. 1990. *Penuntun Pembuatan Gelatin, Lem, Dan Kerupuk dari Kulit Hewan Secara Industri Rumah/Kerajinan*. Balai Penelitian Kulit, Yogyakarta.
- Raharjo, T., W. Cahyaningtyas, Surajiman, Istini, and D. Pranowo. 2012. Validation of PCR-RFLP testing method to detect porcine contamination in chicken nugget. *Indo. J. Chem.* 12: 302 – 307.
- Raven, P.H. and G.B. Johnson. 2002. *Biology*. 6thed. McGraw-Hill Companies, Inc., New York.
- Reece, J.R. 2004. *Analysis Of Genes and Genomes*. J.H. Willey and Sons : xvii + 459 hlm.
- Reyes, A., C. Gissi, G. Pesole, and C. Salccone. 1998. Asymmetrical directional mutation pressure in the mitochondrial genome of mammals. *Mol Biol Evol.* 15: 957 – 966.
- Rodriquez, R.L. and C. Tait. 1988. *Recombinant DNA Techniques An Introduction*. The Benyamin/Cumming Publishing Co., Inc., London.
- Said, M.I. 2000. *Isolasi dan Identifikasi Kapang serta Pengaruhnya Terhadap Sifat Fisik dan Struktur Jaringan Kulit Kambing Pickle serta Wet Blue dengan Perlakuan Fungisida Selama Penyimpanan*. (Tesis). Program Studi Ilmu Peternakan. Universitas Gadjah Mada, Yogyakarta.
- Salehi, M. and A. Bitaraf. 2003. Skin and leather characteristic of hair-type goat reared in a hot-humid region. *Journal of Livestock Science and Technologies*. 1: 51 – 56.
- Salehi, M., I.Kadim, O.Mahgoub, S.Negahdari, and R.S. Eshraghi. 2014. Effect of type sex and age on goat skin and leather characteristics. *Animal Production Science*. 54: 638 – 644.
- Sambrook, J. and Russel. 2001. *Moleculer Cloning Laboratory manual*. 3rd. Volume 3. Cold Spring Harbor Laboratory Press, New York.
- Sambrook, J., E.F. Fritch, and T. Maniatis. 1989. *Molecular Cloning, A Laboratory Manual*. 2nd. Cold Spring Harbour Lab. Press, New York.
- Sarkar, K.T. 1982. *Processing of goat skins for commercial leathers*. Published by K.T. Sarkar. Madras, India. pp. 1 – 5.

- Siaw, C. L., A. Z. Idrus, and Y. S. Yean. 1985. Intermediate technology for fish crackers ('keropok') production. *Journal Food Tech.* 20: 17 – 21.
- Soeparno. 1994. *Ilmu dan Teknologi Daging*. Gajah Mada University Press, Yogyakarta.
- Standar Nasional Indonesia. 1996. *Krupuk Kulit (SNI 01-4308-1996)*. Badan Standar Nasional, Jakarta.
- Sudding. 1990. Transfer DNA *Bacillus subtilis* ke dalam sel *Cerivisiae*. Fakultas Pasca Sarjana. Institut Teknologi Bandung, Bandung.
- Sulandri, S. dan M.S.A. Zein. 2003. *Panduan Praktikum Laboratorium DNA. Bidang Zoologi*. Pusat Penelitian Biologi. Lembaga Ilmu Pengetahuan Indonesia.
- Suryadi, H., S.G. Malik, M. Gustiananda, dan H. Sudoyo. 2003. Polimorfisme DNAMitokondria dan Kedokteran Forensik dalam Mithochondrial Medicine. Lembaga Biologi molekuler Eijkman, Jakarta. pp: 53 – 56.
- Suwanto, A. 1993. *Biokimia DNA. Kursus Singkat Biologi Molekuler*. PAU Bioteknologi IPB. Institut Pertanian Bogor, Bogor.
- Suwarastuti, A dan B. Dwiloka. 1989. *Dasar-Dasar Teknologi Hasil Ikutan Ternak*. Fakultas Peternakan. Universitas Diponegoro, Semarang.
- Suwoto, M.I.Z., W. Sutowo, and N. Khuriyati. 2013. Establishment of Quality Attributes Standard of Cracker. Makalah Seminar Teknologi Industri Pertanian. Universitas Trunojoyo Madura, Madura.
- Titrawani. 1996. Biodiversiti Kodok Genus *Rana* Ditinjau dari Morfologi, Kariotip, dan Pola Protein di Kodya Sawahlunto. (Tesis). Program Pasca Sarjana. Institut Pertanian Bogor, Bogor.
- Triatmojo. S., S. Bastari, dan D. Djojowidagdo. 2000. Kualitas kerupuk kulit stratum papilare dan retikulare. *Jurnal Agrosain*. 13: 211-224.
- Tsai, L, H. Mei-Tzu, H. Chung-Ting, L. C. Apollo, C. Szu-Jung, C. James, and H. Hsing-Mei. 2007. Species identification of animal specimens by cytochrome b gene. *Forensic Science Journal*. 6: 63 – 65.
- Tun Nguyen, C.T., R.Son, A.R. Raha, O.M. Lai and W.V.L.C. Micheal. 2009. Comparison of DNA extraction efficiencies using various methods for the detection of genetically modified organisms (GMOs). *International Research Journal*. 16: 21 – 30.
- Turner. S., G.D. Lewis, and A.R. Bellamy. 1997. Detection of sewage-derived *Escherichia coli* in a rural stream using multiplex PCR and automated DNA detection. *Water Sci. Technol.* 35: 337 –342.

- Verkaar, E.L.C., I.J. Nijman, K. Boutaga, and J.A. Lenstra. 2002. Differentiation of cattle species in beef by PCR-RFLP of mitochondrial and satellite DNA. *Meat Science*. 60: 365 – 369.
- Vogel, J., C. Yee, and J. Darling. 2012. Molecular biology. In: Bologna J, Jorizzo J, Rapini R (eds) *Dermatology*, 3rd ed. Elsevier, Philadelphia, PA. 65 – 79.
- Vun, V.F., M.C. Mahani, M. Lakim, A. Ampeng, and B.M. Md-Zain. 2011. Phylogenetic relationships of leaf monkeys (presbytis; colobinae) based on cytochrome-b and 12s RNA genes. *Genetic and Molecular Research*. 10: 368 – 381.
- Watson, D., M. James., Gilman, J. Witkowski, and M. Zoller. 1992. *Recombinant DNA*. 2nd ed. United States of America.
- Wilson, K. and J. Walker. 2000. *Principles and Technique of Practical Biochemistry*. 5th ed. Cambridge University Press. United Kingdom.
- Winarno, F.G. 1992. *Kimia Pangan dan Gizi*. PT. Gramedia Pustaka Utama, Jakarta.
- Wiriano, H. 1984. *Mekanisme Teknologi Pembuatan Kerupuk*. Balai Pengembangan Makanan Phytokimia. Balai Penelitian dan Pengembangan Industri. Departemen Perindustrian, Jakarta.
- Yusuf, Z.K. 2010. *Polymerase Chain Reaction*. Saintek. 5:1 – 6.
- Yuwono, T. 2005. *Biologi Molekuler*. Penerbit Erlangga, Jakarta.