

DAFTAR PUSTAKA

- Ali, M. E., Hashim, U., Mustafa, S., Che Man, Y. B., Dhahi, T. S. and Kashif, M., 2012. Analysis of pork adulteration in commercial meatballs targeting porcine specific mitochondrial cytochrome b gene by TaqMan probe real-time polymerase chain reaction. *Meat Sci.*, 91(4), 454–459.
- Anonymous, 2012, Real-Time PCR Handbook. Life Technologies, Life Technologies.com
- Biocompare, 2010, SYBR Green and the other real time PCR dyes. Biocompare Inc, USA
- .Bio-Rad, 2006, Real Time PCR Application Guide, Bio-Rad Laboratories, Inc, USA
- Borah, P., 2011, Primer Designing for *PCR*, Departement of Microbiology, College of Veterinary Science, Assam Agriculture University, Guwahati, India, ISSN : 2229-6026.
- Bustin S. A.; Benes, V.; Nolan, T. dan Pfaffl, M. W. 2009. Quantitative Real-time RT-PCR-a perspective. *J. Mol. Endocrinol.* 34 (3): 597–601.
- CAC/GL 74., 2010, Guidelines on performance criteria and validation of methods
of detection, identification and quantification of specific DNA sequences and specific proteins in foods*, hal 1-22.
- Che Man, Y. B., Mustafa, S., Khairil Mokhtar, N. F., Nordin, R., and Sazili, A. Q., 2012, Porcine-Specific Polymerase Chain Reaction Assay Based on Mitochondrial D-Loop Gene for Identification of Pork in Raw Meat. *Int. J. Food Prop.*, 15(1), 134–144.
- Dieffenbach, C.W., Lowe, T.M.J., Dveksler, G.S., 1993, General Concepts for PCR Primer Design. *PCR Method and Application*. Spring Harbor Laboratory Press.
- Dooley, J. J., Paine, K. E., Garrett, S. D., dan Brown, H. M., 2004, Detection of meat species using TaqMan real-time PCR assays. *Meat Sci.*, 68(3), 431–438.
- Fatimah, S., 2013, *Deteksi Cemaran Daging Babi dalam Campuran Bakso Ayam*

dengan real-time Polymerase Chain Reaction dan Spektrofotometri Fourier Transform Infrared. Skripsi, Gadjah Mada University, Yogyakarta

Gibbs, R.A., 1990, DNA Amplification by the Polymerase Chain Reaction, *Analytical Chemistry*, 62, 1202-1214.

Giss, J., Parker, L.C., Sheffield, C., dan Hanner, R., 2009, DNA barcoding and the mediocrity of morphology. *Molecular Ecology Resources*, 9, 42-50.

Ghovvati, S., Nassiri, M.R., Mirhoseinu, S.Z., Moussavi, A.H., dan Javadmanesg, A., 2007, Fraud identification in industrial meat products by multiplex PCR assay, *Food Control*, 20 : 696–699

Guntarty, A., Martono, S., Yuswanto, A. And Rohman, A., 2017, Analysis of Beef Meatball Adulteration with Wild Boar Meat Using Real-Time Polymerase Chain Reaction, *International Food Research Journal*, 24(6): 2451-2455

Hartwell, L., Hood, L., and Goldberg, M. L., 2008, *Genetics: from genes to genomes*. Granite Hill Publishers. Diakses dari Held, P., n.d. Nucleic acid purity assessment using A260/A280 ratios. *Bio Tek Instrum. Inc*, 1–5.

Henegariu, O., Heerema, N.A., Dlouhy, S.R., Vance, G.H., dan Vogt, P.H., 1997, Multiplex PCR: Critical Parameters and Step-by-Step Protocol. *BioTech* (23)504-511.

Hseish, H.M., Chiang, H.L., Tsai, L.C., Lai, S.Y., Huang, N.E., Linacre, A., dan Lee, J.C.I., 2001, Cytochrome b Gene for Species Identification of the Conservation Animal, *Forensic Science International*, 122, 7-18.

Innis, M. A., Gelfand, D. H., Sninsky, J. J., dan White, T. J., 1990, *PCRprotocols: a guide to methods and applications*. Academic press.

ISO/IEC 17025, (2005). Persyaratan Umum Kompetensi Laboratorium Pengujian dan Laboratorium Kalibrasi.

Kesmen, Z., Sahin, F., dan Yetim, H., 2007. PCR assay for the identification of animal species in cooked sausages. *Meat Sci.*, 77(4), 649–653.

Koppel, R., Ruf, J., Zimmerli, F., dan Breitenmoser, A., 2008, Multiplex real-time PCR for the detection and quantification of DNA from beef, pork, chicken and turkey, *Eur Food Res Technol*, 227:1199–1203.

- Kubista, M., Stahlberg, A., Bar, T., 2001, Light-up *probe* based real-time Q-PCR. In: Raghavachari, R., Tan, W. (Eds.), *Genomics and Proteomics Technologies, Proceedings of SPIE*, 4264: 53–58.
- Maede, D., 2006, A Strategy For Molecular Species Detection In Meat Products By PCR-RFLP and DNA Sequencing Using Mitochondrial and Chromosomal Genetic Sequences, *Eur Food Res technol*, 224: 209-217.
- Martin, I., Garcia, T., Fajardo, V., Rojas, M., Hernandez, P.E., Gonzalez, I. and Martin, R., 2007, Technical Note: Detection of Cat, Dog, and Rat or Mouse Tissue in Food and Animal Feed Using Species-Specific Polymerase Chain Reaction. *Journal Animals Science* 2007, 85: 2734-2739.
- Maryam, S., Siswindari, Raharjo, T. J., Sudjadi and Rohman, A., 2016, Determination of Porcine Contamination in Laboratory Prepared dendeng Using Mitochondrial D-Loop686 and cyt b Gene Primers by Real Time Polymerase Chain Reaction, *International Food Research Journal*, 19:187–195.
- Matsunaga, T., Chikuni, K., Tanabe, R., Muroya, S., Shibata, K. and Yamada, J., 1989, A quick and simple method for the identification of meat species and meat products by PCR assay. *Meat Science*, 51: 143–148.
- Mercadante, A. Z., Capitani, C. D., Decker, E. A. and Castro, I.A., 2010. Effect of natural pigments on the oxidative stability of sausages stored under refrigeration. *Meat Science* 84 (4): 718-726.
- Miguel, A.R., Garcia, T., Gonzalws, I., Asensio, I., Hernandes, P.E., dan Martin, R., 2004, PCR identification of beef, sheep, goat and pork in raw and heat treated meat mixtures. *J Food Protect* 67:172-77.
- Muhammad, N.A., El Sheikha, A.F., Mustafa, S., and Mokhtar, N.F.K., 2013, Comparison of gene nature used in real time PCR for porcine identification and quantification: A Review. *Food Research International*, 50: 330-338.
- Muladno, 2010, *Teknologi Rekayasa Genetikan Edisi II*, IPB Press, Bogor
- Novianty, E., Kartikasari, L.R., Lee, J.H., Cahyadi, M., 2017, Identification of pork contamination in meatball using genetic marker mitochondrial DNA cytochrome b gene by duplex-PCR, *International Conference On Food Science and Engineering*, 193: 1-5

- Nuraini, H., A. Primasari, E. Andreas, dan C. Sumantri, 2012. The Use of Cytochrome b Gene as a Specific Marker of the Rat Meat (*Rattus norvegicus*) on Meat and Meat Products. *Media Peternakan*, 15 - 20.
- Nurbowo. 1995. Bakso Nikmat Tanpa Babi. *Jurnal Halal* 6 (1): 13-17.
- Nygren, J., Svanvik, N., and Kubista, M., 1998, The interaction between the fluorescent dye thiazole orange and DNA. *Biopolymers* 46: 39–51
- Pfaffl, M. W., 2004, Quantification strategies in real-time PCR. In A-Z of quantitative PCR. Edited by Bustin SA. La Jolla, CA, International University Line. Pp:87–112.
- Pelt-Verkuil, E.V., Belkum, A. V., and Hays, J. P., 2008, Principles and Technical Aspects of PCR Amplification, *Springer Science + Business Media B.V*, Netherlands.
- Pherson, M.C. and Moller, S.G., 2006, PCR Second Edition, Abingdon, Taylor and Francis Group e-Library, 2nd Edition, 292p.
- Priyanka, V. A., Ristiarini, S., dan Yuda, P., 2017, Deteksi Cemaran Daging Babi Pada Produk Sosis Sapi Di Kota Yogyakarta Dengan Metode Polymerase Chain Reaction, Skripsi, Yogyakarta : Universitas Atma Jaya Yogyakarta.
- Purnomo, H., 1997, Studi Tentang Stabilitas Protein Daging Kering dan Dendeng Selama Penyimpanan, Malang: Fakultas Peternakan Universitas Brawijaya.
- Taufiq, R., Sismindari, Raharjo, T.J., Sudjadi and Rohman, A., 2016, Analysis of pork contamination in Abon using mitochondrial D-Loop22 primers using real time polymerase chain reaction method, *International Food Research Journal* 23(1): 370-374.
- Rashid, N.R.A., Ali, M.E., Hamid, S.B.A., Rahman, M.M., Razzak, M.A., and Asing, 2015, A suitable method for the detection of a potential fraud of bringing macaque monkey meat into the food chain. *Food Additives & Contaminants: Part A*, 32: 1013–1022.
- Rohman, A. dan Che Man, Y.B., 2012, The Use of Fourier Transform Mid Infrared (FT-MIR) Spectroscopy For Detection and Quantification of Adulteration in Virgin Coconut Oil, *Food Chemistry*, 129: 583-588
- Rohman, A. dan Sudjadi., 2016, *Analisis Derivat Babi*, Gajah Mada University Press, Yogyakarta.

- Rychlik, W., Spencer W.J. dan Rhoads R.E., 1990, Optimation of the annealing Temperature for DNA amplification *in vitro*, *Nucleic Acid Research* 18, 6409-6412.
- Sambrook, J., Fritsch, E.F. dan T.A. Maniatis, 1989, *Molecular Cloning: A Laboratory Manual*. 2nd Ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY., USA., 13: 397, ISBN-13: 9780879695774
- Sambrook, J. and Russell, D.W., 1989, *Molecular Cloning, A Laboratory Manual*, 3rd ed. Cold Spring Harbur Lab. Press, New York.
- Sanger, F., Nicklen dan Coulson, 1997, DNA Sequencing With Chain-Terminating Inhibitors, *Proc. Nat. Acad. Sci*, 74: 5463-5467.
- Shipley, G.L., 2007, *Quantitative Real-Time Q-PCR: A Very Short Course*, Department of Integrative Biology and Pharmacology University of Texas Health Science Center - Houston Houston, Texas.
- Smith, C.J. dan Osborn, A.M., 2008, Advantage and Limitation of Quantitative *PCR* (Q-PCR) Based Approaches in Microbial Ecology, Departement of Animal and Plant Science University of Sheffield, Western Bank, Sheffield UK, Blackwell Publising Ltd., Federation of European Microbiological Societies, 67: 6-20.
- Standarisasi Nasional Indonesia (SNI 01-3020-1995) 1995, Sosis Daging. Jakarta, Indonesia, ICS 67.120.10: 1-7.
- Sriati, N., 2011, Analisis Cemarkan DNA Mitokondria Babi pada Produk Sosis Sapi yang Beredar di Wilayah Ciputat Menggunakan RT-PCR, *Skripsi*, Jakarta: UIN Syarif Hidayatullah.
- Svec, D., A. Tichopad, V. Novosadova, M.W., Pfaffl and Kubista, 2015, *How Good Is A PCR Efficiency Estimate: Recommendation for Precisse and Robust q-PCR Efficiency Assessments*, *Biomol, Detection Quantification*, 3: 9-16.
- Tanabe, S., Miyauchi E., Muneshie, A. and Mio, K., 2007, PCR method of detecting pork in foods for verifying allergen labeling and for identifying hidden pork ingredients in processed foods. *Biosci. Biotechnol. Biochem.* 71(7):1663-1667.
- Thornton, B. dan Basu, C., 2011, Real-Time PCR (qPCR) Primer Design Using Free Online Software. *Biochemistry and Molecular Biology Education*, 145-154.
- Tjondro, F. and Siswindari, 2012, Detection of pork in burger using real time PCR with LEF Primers. In the 2nd International Seminar of

**Halalness and Safety of Food and Pharmaceutical Products; 2012 Oct
17 – 18; Universitas Gadjah Mada, Yogyakarta.**

Usman. 1997. Mesin Produksinya Satu. Jurnal Halal 17 (3): 8-14.

**Williams, S. A., Slatko, B. E., dan McCarrey, J. R., 2007, *Laboratory
Investigations In Molecular Biology*. Jones & Bartlett Learning.**

**Ye, Coulouris G., Zaretskaya I., Cutcutache I., Rozen S., dan Madden T.L.,
2012, Primer-BLAST: A Tool to Design Target-Specific Primers for
PCR, *BMC Bioinformatics*, 13 : 134.**

