

## DAFTAR PUSTAKA

- Alaeddini, R., S.J. Walsh, & A. Abbas. 2010. Forensic Implications of Genetic Analyses from Degraded DNA. *Forensic Science International: Genetics*. 4(2010):148-157.
- Andreson, R., T. Mols, & M. Remm. 2008. Predicting Failure Rate of PCR in Large Genomes. *Nucleic Acids Research*. 36(11):1-10.
- Arini, S., A.B. Witarto, & S.B. Aritonang. 2021. Analisis Pengaruh Paparan Fisik pada Sampel Gigi terhadap Hasil Kuantifikasi DNA Forensik menggunakan Metode Kit Purifikasi DNA Komersial. *Jurnal Tambora*. 5(2):59-65.
- Basu, C. 2015. *PCR Primer Design*. 2<sup>nd</sup> Ed. Humana Press. New York. Pp. 17-19
- Bohnert, M., T. Rost, & S. Pollak. 1998. The Degree of Destruction of Human Bodies in Relation to the Duration of the Fire. *Forensic Science International*. 95(1):11-21.
- Bright, J.A., H. Kelly, Z. Kerr, C. McGovern, D. Taylor, & J.S. Buckleton. 2020. The Interpretation of Forensic DNA Profiles: an Historical Perspective. *Journal of the Royal Society of New Zealand*. 50(2):211-225.
- Buckleton, J.S., J.A. Bright, & D. Taylor. 2016. *Forensic DNA Evidence Interpretation* 2<sup>nd</sup> Ed. CRC Press. London. P. 398.
- Budowle, B. & F.R. Bieber. 2005. Forensic Aspects of Mass Disasters: Strategic Considerations for DNA-based Human Identification. *Journal of Legal Medicine*. 7(1):230-243.
- Burgos, G., R.F. Espinoza, P.A. Ruiz-Pozo, & I.V. Granda. 2019. Efficient Preservation of DNA Extracted from Blood in FTA Cards by Chelex Method. *Forensic science International: Genetics Supplement Series*. 7:593-541.
- Butler, J.M. & C.H. Becker. 2001. *Improved Analysis of DNA Short Tandem Repeats with Time-of-Flight Mass Spectrometry*. National Institute of Justice. California. Pp. 2.
- Butler, J.M. 2003. *Forensic DNA Typing*. Academic Press. Sandiego-Florida. Pp. 28-30.
- Butler, J.M. 2012. *Advanced Topics in Forensic DNA Typing: Methodology*. Elsevier. California. Pp. 107; 199.
- Butler, J.M. 2015. The Future of DNA Analysis. *Philosophical Transactions B*. 370:1-10.
- Crocker, J. & P.G. Murray. 2003. *Molecular Biology in Cellular Pathology*. John Wiley & Sons. England. Pp. 195-196.
- Dash, H.R., P. Shrivastava, & S. Das. 2020. *Principles and Practices of DNA Analysis: A Laboratory Manual for Forensic DNA Typing*. Springer Science. New York. Pp. 179-181.
- Dieffenbach, C.W., T.M.J. Lowe, & G.S. Dveksler. 1993. General Concepts for Primer Design. *PCR Methods Application*. 3:S30-33.
- Elkins, K.M. 2013. *Forensic DNA Biology: A Laboratory Manual*. Elsevier. Oxford. Pp. 83
- Fabbri, M., L. Alfieri, L. Mazdai, P. Frisoni, R.M. Gaudio, & M. Neri. 2023. Application of Forensic DNA Phenotyping for Prediction of Eye, Hair and Skin Colour in Highly Decomposed Bodies. *Healthcare*. 11(647):1-12.

- Fan, H., J. Wang, M. Komiyama, & X. Liang. 2018. Effects of Secondary Structure of DNA Templates on the Quantification of qPCR. *Journal of Biomolecular Structure and Dynamics*. 37(11):1-23.
- Furumo, M., T. Kasukawa, R. Saito, J. Adachi, H. Suzuki, R. Baldarelli, Y. Hayashizaki, & Y. Okazaki. 2003. CDS Annotation in Full-Length cDNA Sequence. *Genome Research*. 13:1478-1487.
- Ghasemi, A. & S. Zahediasl. 2012. Normality Test for Statistical Analysis: A Guide for Non-Statisticians. *International Journal of Endocrinology and Metabolism*. 10(2):486-489.
- Goodwin, W., A. Linarce, & S. Hadi. 2007. *An Introduction to Forensic Genetics*. John Wiley & Sons. England. Pp. 7-9.
- Hady, R.H.A., H.Z. Thabet, N.E. Ebrahim, & H.A. Yassa. 2021. Thermal Effects on DNA Degradation in Blood and Seminal Stains: Forensic View. *Academic Forensic Pathology*. 11(1):7-23.
- Handayani, P.I., S.W. Dewi, E.N. Sari, R.W. Dewi, S.C. Yowani, N.A. Dewi, & P.S. Yustiantara. 2018. In Silico Primer Design and Annealing Temperature Optimization to Amplify the Fragment of gyrB Gene Mycobacterium tuberculosis Isolate P010 Using Polymerase Chain Reaction. *Journal Health Science and Medicine*. 2(1):5-8.
- Hidayat, R.N., L.M. Sabri, & M. Awaluddin. 2019. Analisis Desain Jaring GNSS berdasarkan Fungsi Presisi (Studi Kasus: Titik Geoid Geometri Kota Semarang). *Jurnal Geodesi Undip*. 8(1):48-55.
- Hikmatyar, M.F., J.I. Royani, & Dasumiati. 2015. Isolasi dan Amplifikasi DNA Keladi Tikus (*Thyponium flagelliform*) untuk Identifikasi Keragaman Genetik. *Jurnal Bioteknologi & Biosains Indonesia*. 2(2):42-48.
- Huang, L.H., P.H. Lin, K.W. Tsai, L.J. Wang, Y.H. Huang, H.C. Kuo, & S.C. Li. 2017. The Effects of Storage Temperature and Duration of Blood Samples on DNA and RNA Qualities. *PLoS ONE*. 12(9):1-13.
- Jalali, M., F.Y.L. Saldanha, & M. Jalali. 2017. *Basic Science Methods for Clinical Researchers*. Academic Press. London. Pp. 1-4; 14.
- Jauhani, M.A., S. Rachmania, & A. Yudianto. 2020. Kualitas dan Kuantitas DNA pada Bercak Darah Pascapaparan Tanah dan Ultraviolet-C. *Journal of Agromedicine and Medical Science*. 6(3):181-184.
- Johann, K.S., H. Bauer, P. Wiegand, H. Pfeiffer, & M. Vennemann. 2023. Detecting DNA Damage in Stored Blood Samples. *Forensic Science, Medicine and Pathology*. 19:50-59.
- Joachim, D.H., D. Annette, E. Doris, G.J. Stefanie, & K. Joe. 2006. *PCR Applications Manual*. 3<sup>rd</sup> Ed. Roche Diagnostics. Jerman. Pp. 9; 41-42.
- Karni, M., D. Zidon, P. Polak, Z. Zalevsky, & O. Shefi. 2013. Thermal Degradation of DNA. *DNA and Cell Biology*. 32(6):1-4.
- Kaur, S., V. Saini, & R. Dalal. 2020. UV-Visible Spectroscopic Effect on Haemoglobin & DNA Degradation: A Forensic Approach. *Forensic Science International*. 307:1-7.
- Kirby, L.T. 1990. *DNA Fingerprinting An Introduction*. Stokton Press. New York. Pp. 1-2.
- Klitschar, M., U.D. Immel, D. Stiller, & M. Kleiber. 2005. TH01 a Tetrameric Short Tandem Repeat Locus in the Tyrosine Hydroxylase Gene: Association with Myocardial Infraction. *Disease Markers*. 21(1):9-13.

- Lammerding, J. 2011. Mechanics of the Nucleus. *Comprehensive Physiology*. 1(2):783-807.
- Lienhard, A., & S. Schaffer. 2019. Extracting the Invisible: Obtaining High Quality DNA is a Challenging Task in Small Arthropods. *PeerJ*. 7:1-17.
- Lorenz, T.C. 2012. Polymerase Chain Reaction: Basic Protocol Plus Troubleshooting and Optimization Strategies. *Journal of Visualized Experiments*. 63:1-15.
- Messe, Y., I.M. Budiarsa, & A.H. Laenggeng. 2020. Desain Primer Polymerase Chain Reaction (PCR) secara In Silico untuk Amplifikasi Gen gyrA Extensively Drug Resistant Tuberculosis (XDR-TB). *Journal of Biology Science and Education*. 8(2):616-622.
- Murray, R.K., D.K. Granner, P.A. Mayes, & V.W. Rodwell. 2003. *Harper's Illustrated Biochemistry*. McGraw-Hill Companies. North America. Pp. 303-305.
- Nastasi, C., L. Mannarino, & M. D'Incalci. 2020. DNA Damage Response and Immune Defense. *International Journal of Molecular Science*. 21(20):1-28.
- Nielsen, K., H.S. Mogensen, J. Hedman, H. Niederstatter, W. Parson, & N. Morling. 2008. Comparison of Five DNA Quantification Methods. *Forensic Science International: Genetics*. 2(3):226-230.
- Nybo, K. 2013. Primer Design. *Biotechniques*. 54(5):249-250.
- Opel, K.L., D.T. Chung, J. Drabek, N.E. Tatarek, L.M. Jantz, & B.C. McCord. 2006. The Application of Miniplex Primer Sets in the Analysis of Degraded DNA from Human Skeletal Remains. *Journal Forensic Science*. 51(2):351-356.
- Panneerchelvam, S., M.N. Norazmi. 2003. Forensic DNA Profiling and Database. *The Malaysian Journal of Medical Sciences*. 10(2):20-26.
- Pertiwi, N.P.D., I.G.N. Mahardika, & N.L. Watiniasih. 2015. Optimasi Amplifikasi DNA menggunakan Metode PCR (Polymerase Chain Reaction) pada Ikan Karang Anggota Famili Pseudochromide (DOTTYBACK) untuk Identifikasi Spesies secara Molekular. *Jurnal Biologi*. 19(2):1-5.
- Pestana, E.A., S. Belak, A. Daillo, J.R. Crowther, & G.J. Viljoen. 2009. *Early Rapid and Sensitive Veterinary Molecular Diagnostics*. Springer. Dordrecht. Pp 249.
- Prawestiningtyas, E. & A.M. Algozi. 2009. Pemeriksaan Primer dan Sekunder sebagai Penentu Identitas Korban pada Dua Kasus Bencana Massal. *Jurnal Kedokteran Brawijaya*. 25(2):87-94.
- Putri, P.E., & I.K. Junitha. 2015. Kualitas dan Kuantitas DNA Darah Kering pada Besi dan Kayu yang Disimpan dalam Kurun Waktu Berbeda. *Jurnal Biologi*. 19(1):21-24.
- Riupassa, P.A. 2010. Perancangan Primer-Oligonukleotida untuk Reaksi Rantai Polimerisasi Gen Sukrosa Sintase (EC 2.4.1.13). *Seminar Nasional Basic Science II*. Ambon: 2 Juli 2010. Pp. 21-29.
- Rudin, N. & K. Inman. 2002. *An Introduction to Forensic DNA Analysis*. 2<sup>nd</sup> Ed. CRC Press. Boca Raton. Pp. 42.
- Saputro, A., A. Yudianto, & T. Koesbardiati. 2015. Pengaruh Lama Paparan Suhu Kamar terhadap Kualitas DNA pada Pemeriksaan Swab Earphone dalam Penentuan Jenis Kelamin. *Jurnal Biosains Pascasarjana*. 17(1):22-45.
- Schaller, J., S. Gerber, U. Kampfer, S. Lejon, & C. Trachsel. 2008. *Human Blood Plasma Proteins Structure and Function*. John Wiley & Sons Ltd. West Sussex. Pp. 7-12.
- Shen, M. & D.N. Vieira. 2016. Forensic Science: Defending Justice. *Forensic Sciences Research*. 1(1):1-2.



- Sujatmiko, W. 2017. Prediksi Temperatur Kebakaran Ruangan Menggunakan Model Babrauskas. *Jurnal Pemukiman*. 12(1):8-19.
- Syamsidi, A., N. Aanisah, R. Fiqam, & I. Al-Jultri. 2021. Primer Design and Analysis for Detection of mecA Gene. *Journal of Tropical Pharmacy and Chemistry*. 5(3):245-253.
- Ubelaker, D.H. 2009. The Forensic Evaluation of Burned Skeletal Remains: A Synthesis. *Forensic Science International*. 183(1):1-5.
- Wall, W. 2002. *Genetics and DNA Technology: Legal Aspects*. Cavendish Publishing. London. Pp. 24.
- Wickham, C.L. & M. Boyce. 2000. Amplification of PCR Products in Excess of 600 base pairs Using DNA Extracted from Decalcified, Paraffin Wax Embedded Bone Marrow Trephine Biopsies. *Journal of Clinical Pathology*. 53:19-23.
- Wurmb-schwark, N.V., A. Caliebe, T. Schwark, R. Klendorp, M. Poetsch, S. Schreiber, & A. Nebel. 2011. Association of TH01 with Human Longevity Revisited. *European Journal of Human Genetics*. 19:924-927.
- Yudianto, A. 2020. *Pemeriksaan Forensik DNA Tulang dan Gigi: Identifikasi pada DNA Lokus CODIS Y-STRs dan mtDNA*. Sintesa. Surabaya. Pp. 16-17.
- Yuenleni. 2019. Langkah-Langkah Optimasi PCR. *Indonesian Journal of Laboratory*. 1(3):51-56.
- Yustinadewi, P.D., P.S. Yustiantara, & I. Narayani. 2018. Teknik Perancangan Primer untuk Sekuen Gen MDR-1 Varian 1199 pada Sampel *Buffy Coat* Pasien dengan LLA. *Journal of Biological Science*. 5(1):105-111.