

DAFTAR PUSTAKA

- Aldi, Y., Trisnawati, A.N., Putra, A.E., Djamaan, K., Marlina. (2015). Detection of hpv type 45 L2 gene in cervical cancer patients by polymerase chain reaction method. *Int. J. Phram and Pharmaceutical Sci.*
- Amin Daemi , Sahar Hosseinzadeh, Mehrdad Hashemi 5, Elnaz Agi 1, Azam Bolhassani 1, HPV16 E7-CT (gp96) fusion protein: Molecular cloning, expression and purification of a recombinant 6xHis-tagged protein in *E. coli*. *Journal of Paramedical Sciences (JPS) Spring. 2012,Vol.3, No.2 ISSN 2008-4978.*
- American Cancer Society. 2015. Cancer prevention & early detection factsfigures. Atlanta: American Cancer Society.
- Amtarina R .2009. Organisasi genom dan varian molekuler human Papillomavirus tipe 16 sebagai penyebab karsinoma serviks. *JIK, 3(1):6-13.*
- Andani E. P & Efrida, 2015. Kloning dan Overekspresi Protein P24-GAG HIV. *Indonesian Journal of Clinical Pathology and Medical Laboratory. Majalah Patologi Klinik Indonesia dan Laboratorium Medik Vol. 22, No. 1 November 2015.*
- Ahmad, A. 2014. Bioteknologi dasar. Makassar: Universitas Hasanuddin. "Introduction to Agarose and Polyacrylamide Gel Electrophoresis Matrices with Respect to Their Detection Sensitivities," *Gel Electrophoresis Principles and Basics.*
- Bouvard. (2009). Human Papillomaviruses: Genetic Basis of Carcinogenicity. *Public Health Genomics, 12(5-6), 281–290.*
- Campbell N.,A, L., G., Mitchell, J., B., Reece, M., R., Taylor, E., J., Simon,2006. *Biology, 5th ed. Benjamin Cummings Publishing Company, Inc., Redword City, England.*
- Clarke MA, Wentzensen N, Mirabello L, Ghosh A, Wacholder S, Harari A, Lorincz A, Schiffman M, Burk RD. (2012). Human papillomavirus DNA methylation as a potential biomarker for cervical cancer.
- Chen,Z.Schiffman,M.Herrero. (2011). Evolution and Taxonomic Classification of Human
- Daly, M., Hearn, K., Muratoğlu, H., and Nalçacıoğlu, R. 2004 Cloning and expression of chitinase A, B, and C (chiA, ChiB, ChiC) genes from *Serratia marcescens* originating from *Helicoverpa armigera* and determining their activities, *Turkish Journal of Biology, 39(1), pp. 78–87. doi: 10.3906/biy-1404-31.*

- Dawn, K, 2000. "Immediate Visualization of Proteins in Dedocyl Sulfate-Polyacrylamide Gels by Prestaining with Remazol Dyes," *Analytical Biochemistry*, pp. 402-4012.
- Fatchiyah, E.L., Arumingtyas S., Widyarti, & Rahayu, S. 2011. *Biologi molekuler prinsip dasar analisis*. Jakarta: Penerbit Erlangga.
- Gaffar, S. 2007. *Penggunaan PCR (Polymerase Chain Reaction) untuk deteksi Retrovirus HTLV (Human T-Cell Lymphotropic Virus)*. Bandung: Universitas Pandjajaran.
- Glick, M.B. Pasternak, K., Klemsdal, V., Aalten, S., Sundheim, and V.G.H., Eijsink, 2003, *Manuscript Recent Research Developments in Microbiology*.
- Grompe, M., Jonhson W., and Jameson L. 1998. *Recombinant DNA and genetic technique In principle of molecular medicine*. Edited by J. Larry Jameson. New Jersey: Humana press inc.
- Groves MJ, 2006, *Pharmaceutical Biotechnology*, hal. 44-55 *Gene Cloning & DNA analysis*, hal. 3-6 dan 8-12; 54-80 dan 87-97.
- Hakim, L. 2010. *Biologi dan patogenesis Human papillomavirus*. Artikel RSU dr.Soetomo, p.164-180.
- Handoyono, D & Ari R . 2000. *Prinsip umum dan pelaksanaan polymerase chain reaction (PCR)*. Surabaya: Pusat Studi Bioteknologi Universitas Surabaya.
- Hasdianah, dkk. 2014. *Imunologi: Diagnosis dan teknik biologi molekuler*. Yogyakarta: Nuha Medika.
- Hemes, B.D.1998. *Gel Electrophoresis of proteins and Differentiation of Bovine and Porcine Gelatin Based on Spectroscopic and Electrophoretic Analysis* *Journal food pharmaceutical sciences*. 68-73.
- Jorgenson and Luckas, 2010. "High-Resolution Separations based on Elektrophoresis and Electroosmosis," *Journal of Chromatography*, vol. 4, pp. 209-216.
- Kawana K, Yoshikawa H, Taketani Y, Yoshiike K, Kanda T.(1999). Common neutralization epitope in minor capsid protein L2 of human papillomavirus types 16 and 6. **J Virol** 73: 6188-6190.
- Kurnia, E.L., Arumingtyas, S, Widyarti., dan S, Rahayu. 2012. *Biologi Molekuler Prinsip Dasar Analisis*. Penerbit Erlangga.Malang. 191 hal.
- Koganesawa, W.E., Hinori, L.M., Muzikar, K.A. and Osheniba., 2012. 1H

and ¹³C NMR assignments for the cyanine dyes SYBR Safe and thiazole orange. *The Journal of organic chemistry*, 77(23), pp.10967-10971.

Marlina, Putra, A., E., & Arfinda F., 2015. Pengujian desain primer gen E6 HPV tipe 16 dan tipe 18 pada pasien kanker serviks dengan metoda multiplex polymerase chain reaction (MPCR). Unpublished.

Marlina, Putra, A., E., & Putra R., P., 2014. Deteksi Human papilloma virus tipe 16 (HPV tipe 16) pada urin dan flour albus pasien wanita sebagai deteksi dini kanker serviks dengan metoda polymerase chain reaction (PCR). Unpublished.

Marlina, Yufri. A., and Febby A., (2015). Application of MPCR primer for gene E6 HPV type 16 and 18 in cervical cancer patient. Unpublish.

Marlina, Prima Ramadhani, Andani Eka Putra, Rustini, Yufri Aldi., (2015). Desain Primer Multiplex Polymerase Chain Reaction (PCR) Gen E6 HPV Tipe 45 dan HPV Tipe 52. Faculty of Pharmacy, and Faculty of Medicine Andalas University.

Maryam, F. 2011. The Role of Human Papillomavirus in The Molecular Biology of Cervica Carcinogenesis. *Indian. J. Med. Sci* 50(1): 9-19.

McGuigan M, Sharman M. 2006. Skeletal Muscle Structure and Function. Physiological Assessment of Human Fitness 2nd ed. USA: Sheridan Books.

Mirshabi, Lawson, J. Roberts, C. (2006). Comparison of Real-Time Multiplex Human Papillomavirus (HPV) PCR Assays with INNO-LiPA HPV Genotyping Extra Assay. *Journal of Clinical Microbiology*, 49(5), 1907–1912.

Mizawarti. 2003. Seputar Teknologi Rekayasa Genetika. Pustaka Wirausaha Muda dan USESE Foundation, Bogor. hal.123.

National Cancer Institute. 2015. what is cancer, <http://www.cancer.gov/about-cancer/what-is-cancer>. Diakses pada 11 april 2016.

Nasir, M. 2002. Bioteknologi: potensi dan keberhasilannya dalam bidang pertanian. Jakarta: Grafindo persada.

Nomine, Y., M. Masson, S. Charbonnier, K. Zanier, T. Ristriani, F. Derycke, A. P. Sibling, D. Desplancq, R. A. Atkinson, E. Weiss, G. Orfanoudkis, B. Kieffer & G. Trave., 2006, Structur and fungtion analisis of E7 oncoprotein; insights in mollecular pathways of human papillomavirus mediated Phtogenesis. *Mollecular cell* 21; 665-678

Novel, S. S., Sri, H. H., & Sukma N. 2012. Human papillomavirus (HPV).

Mikrobiologi, 39(5):351 -354. Perbandingan beberapa metode molekuler dalam uji DNA HPV (Human Papillomavirus). CDK, 38 (5).

Pradipta, B. & Saleha, S. 2007. Penggunaan vaksin Human papilloma virus dalam pencegahan kanker serviks. *Majalah Kedokteran Indonesia*, 57(11):391-396.

Pratiwi, R. 2001. Mengenal metode elektroforesis. *Oseana*, 26(1):25-31 & Mengenal Metode Elektroforesis. *Oseana*. Volume XXVI. Nomor 1. Balitbang Biologi Laut, Puslitbang Osenologi LIPI, Jakarta.

Primrose, SB, R.M., Twyman 2006. *Principles of Gene Manipulation and Genomics*. Ed. Ke-7. Oxford: Blackwell Publishing.

Purves dan Sadava. 2003. *Life The Science of Biology 7th Edition*. Sinauer Associates Inc. New York.

Rachmani, B. Shaluhiah, Z., & Cahyo, K. 2012. Sikap remaja perempuan terhadap pencegahan kanker serviks melalui vaksinasi HPV di kota Semarang. *Media Kesehatan Masyarakat Indonesia*, 11(1).

Raddy and S. Nates, 2002 "Introduction to Agarose and Polyacrylamide Gel Electrophoresis Matrices with Respect to Their Detection Sensitivities," *Gel Electrophoresis Principles and Basics*, pp. 1-14.

Rusmana, D. 2009. Aspek onkologi Human papillomavirus. *JKM*, 9(1):95-101.

Sambrook, S, S., Russell, T., Basu. 2001. Mechanism of artificial transformation of *E. coli* with plasmid DNA-clues from the influence of ethanol. *Journal of Current Science* 83:1376-1380.

Sarkar, S, S., Chaudhuri, T., Basu. 2002. Mechanism of artificial transformation of *E. coli* with plasmid DNA-clues from the influence of ethanol. *Journal of Current Science* 83:1376-1380.

Sopianti, D, Aldi, Y, Putra, A. Molecular variation of E5 gene human papillomavirus (HPV) from cervical cancer. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 7(5):1695-1701 January 2016.

Sisilia, R., T. 2010. *Human Papilloma virus*. Makassar: Universitas Hassanudin.

Sjamsuddin, S. 2001. Pencegahan dan deteksi dini kanker serviks. *Cermin Dunia Kedokteran*, 133:8-13.

Smith.L.,Barrionuevo-Rosas,L.,Serrano,B.,Brotons,M.,Albero, G. 2007.Human

papilloma virus and Related Diseases Report in Indonesia. Barcelona: ICO Information Center on HPV and Cancer. website. <http://www.cancer.org>, diakses pada 22 Februari 2016 pukul 20.17.

Sarihatmadja, and Herman Susanto (2014) Cloning, Expression and Bioinformatic Analysis of Human Papillomavirus Type 52 L1 Capsid Gene from Indonesian Patient. *Mikrobiologi Indonesia* Vol.8, No.3, September 2014, p 94-102 DOI: 10.5454/ mi.8.3.2

Sotlar K, Diemer D, Dethleffs A, Hack Y, Stubner A, Vollmer N, et al. Detection and typing of human papillomavirus by E6 nested multiplex PCR. *J. Clin Microbiol* 2004; 42: 3176-3184.

Suharsono, S. B, Fatchiyah, Rahayu, Widyarti, dan Arumningtyas. 2011. Teknik-Teknik Dasar Analisis Protein dan DNA. Jurusan Biologi FMIPA Universitas Brawijaya. Malang.

Syukur, G, Endang, Y. 2013. Purifikasi N-asetil-D-glukosamina Hasil Sintesa Secara Enzimatis Untuk Bahan Obat dan Pangan Fungsional. Pusat Penelitian Biologi, Lembaga Ilmu Pengetahuan Indonesia. Bogor.

Tsen. 2002. Natural plasmid transformation in *Escherichia coli*. *Journal of Biomedical Science* 9:246-252.

Valdovinos and Torres, M Orozco, 2008. Different Isoforms of HPV-16 E7 Protein are Present in Cytoplasm and Nucleus. Research Center of Infectious Diseases, National Institute of Public Health, Cuernavaca, Morelos, Mexico.

Wang, T.P., Doshi, N.R. 2000. Cervical Cancer. *Am Fam Physician* 61(5): 1369-76. Westermeier, 2004, *Molecular Biotechnology: Principles and Applications of Recombinant DNA*, hal. 47-89 dan 101-110

WHO. 2012. Human papillomavirus and Related Disease. Summary Report 2014. Available on : www.who.int/hpvcentre.Papillomavirus 16 (HPV16)-Related Variant Genomes: HPV31, HPV33, HPV35, HPV52, HPV58 and HPV67. *PLoS ONE*, 6(5), e20183.

Williams H.G., M.J., Day, J.C., Fry. 1996. Use of EDTA to prevent spontaneous cell-to-cell transformation provides a more accurate estimation of gene transfer frequencies. *Biology Techniques* 10:941-946.

Wilson, 2004. *Electrophoresis in Practice: A Guide to Theory and Practice*. New-Jersey, John Wiley & Sons inc.

Yusuf, Z. K., 2010. *Polymerase Chain Reaction (PCR)*. Saintek, 5(6). Teori dan aplikasi PCR. Yogyakarta.

Zhang, H., Z., Zhang, J., Li, and S., Cai. 2007. Effects of Mg^{2+} on Supported Bilayer Lipid Membrane on a Glassy Carbon Electrode during Membrane Formation. 2, pp. 788–796.

