

## DAFTAR PUSTAKA

- Adam, J.L., Briggs, M.W. & Mccance, D.J., 2000. A Mutagenic Analysis of the E5 Protein of Human Papillomavirus Type 16 Reveals That E5 Binding to the Vacuolar H-ATPase Is Not Sufficient for Biological Activity, Using Mammalian and Yeast Expression Systems., 325, pp.315-325.
- Amtarina. R, 2009. Organisasi Genom dan Varian Molekuler Human Papillomavirus Tipe 16 Sebagai Penyebab Karsinoma Serviks, JIK, Jilid 3, Nomor 1, Maret, Hal. 6-13.
- Amalinei C., Balan R., Stanoiu B., Crauciuc E., Toma O., Caruntu I.D. 2009. Immunohistochemical Identification of Human Papilloma Virus Highrisk Type L1 Major Capsid Proteins in Atypical Glandular Cells. *SecŃiunea Genetică Ei Biologie Moleculară*, 10: 103108.
- Awise, J. C. 1994. *Molecular Marker, Natural History and Evolution*. Chapman and Hall. USA.
- Benedet, J.L., Ngan, H.Y.S., Hacker, N.F. 2000. Staging Clasifications and Clinical Practice of Gynecologyc Cancer. *Int J Gynecol* 70: 207-312.
- Bernard HU. 2004. The clinical importance of the nomenclatur, evolution, and taxonomy of human papillomaviruses. *Clin Virol* ; 32:1-6
- Boer MA, Peters LAW, Farid Aziz M, Siregar B, Cornain S, Vrede MA, et al. 2004. Human Papillomavirus type 16 E6, E7 and LI Variants in Cervical Cancer in Indonesia, Suriname and The Netherlands. *Gynecol Oncol.*; 94:488-494.
- Boon, M.E., Suurmeijer, A.J.H. 1991. *The Pap Smear*. Leiden: Coulomb Press.
- Bosch FX. 2008. Castellsagus X, de Sanjosé S. HPV and cervical cancer, screening or vaccination. *Br J Cancer* ; 98 (1) : 15–21.
- Bruni, L., Barrionuevo-Rosas, L., Serrano, B., Brotons, M., et al. 2015. Human papillomavirus and Related diseases report in Indonesia. Barcelona: ICO Information Center on HPV and Cancer.
- Burk RD, Chen Z, Harari A, Smith BC, Koejan BJ, Maver PJ, et al. 2011. Classification and nomenclatur system for human alphapapillomavirus variants: general features, nucleotide landmarks and assignment of HPV 6 and HPV 11 isolates to variant lineages. *Acta Dermatoven APA* ; 20(3):113-23.
- Calladine, C. R., Dwer, H. R., Luisi, B.F., Travers, A. A. 2004. *Understanding DNA, The Molecule & How It Works Third Edition*. London: Elsevier Academic Press.

- Chen, Z., Desalle, R., Schiffman, M., Herrero, R., & Burk, R. D. 2009. Evolutionary Dynamics of Variant Genomes of Human Papillomavirus, 83(3), 1443–1455. <http://doi.org/10.1128/JVI.02068-08>
- Chow LT, Broker TR. 2010. Steinberg BM. The natural history of human papillomavirus infections of the mucosal epithelia. *APMIS*; 118:422-49.
- Cid, A. et al., 2014. Prevalence of HPV 16 and HPV 18 Lineages in Galicia , 9(8), pp.1–10.
- Cole, S. T., & Applications, U. 1987. Nucleotide Sequence and Comparative Analysis of the Human Papillomavirus Type 18 Genome Phylogeny of Papillomaviruses and Repeated Structure of the E6 and E7 Gene Products, 599–608
- Cotten, M. et al., 2014. Full genome virus detection in fecal samples using sensitive nucleic acid preparation, deep sequencing, and a novel iterative sequence classification algorithm. *PLoS ONE*, 9(4).
- Danielewski JA, Garland SM, McCloskey J, Hillman RJ, Tabrizi SN. 2013. Human papillomavirus type 6 and 11 genetic variants found in 71 oral and anogenital epithelial samples from australia. *PLoS ONE*; 8(5):1-9.
- de-Villiers, E.M., Fauquent, C. Broker, T.R., Bernard, H.U., Hausen, H. 2004. Classification of Papillomaviruses. *Virology* 324: 17-27.
- Dimaio, D. & Petti, L.M., 2013. The E5 proteins. , 445, pp.99–114.
- Dharmayanti, I.N.L.P., 2011. *Filogenetika Molekuler : Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi*. Balai Besar Penelitian Veteriner, Jl. R.E. Martadinata No.30, Bogor16114.
- Douglas JM. 2008. Genital human papillomavirus infection. *J. Infect. Dis.* 18(4): 362-9
- Doorbar, J. 2006. Molecular Biology of Human papillomavirusinfection and Cervical Cancer. *Clinical Science* 110: 525-41.
- Entiauspe, L.G. et al., 2014. High incidence of oncogenic HPV genotypes found in women from Southern Brazil. , 694, pp.689–694
- Endler, J. A. 1977. *Geographic, Variation, Speciation and Clines*. Princeton University. New Jersey.
- Faridi R, Zahra A, Khan K, Idrees M, 2011. Oncogenic potential of Papillomavirus (HPV) and its relation with cervical cancer. *Viol J* 8 : 269

- Fatchiyah. 2006. Polymerase chain reaction dasar teknik amplifikasi dna dan aplikasinya. Laporan Biologi Molekuler. Malang: Universitas Brawijaya
- Ghittoni, R., Accardi, R., Hasan, U., Gheit, T., Sylla, B., & Tommasino, M. 2010. The biological properties of E6 and E7 oncoproteins from human papillomaviruses. *Virus genes*, 40(1), 1-13
- Goddwin, E.C & Daniel, Dimadio. 2000. Repression of Human papillomavirus Oncogenes in HeLa Cervical Carcinoma Cells Causes The Orderly Reactivation of Dormant Tumor Suppressor Pathway. *PNAS*, 95: 12513-18.
- Handoyo, D & Rudiretna, A. 2001. Prinsip umum dan pelaksanaan polymerase chain reaction (PCR). *Unitas*, 9(1)
- Heinzel PA, Chan SY, Ho L, O'connor M, Balaram P, Campo MS, et al. 1995. Variation of human papillomavirus type 6 (HPV-6) and HPV-11 genomes sampled throughout the world. *J clin microbiol* ; 33(7): 1746–54.
- Hidayat, T & Pancoro, A., 2006. *Sistematika Dan Filogenetika Molekuler : Penelitian Filogenetika Molekuler SITH-ITB*
- Hwang S.J., Shroyer K.R. 2012. Review Article: Biomarkers of Cervical Dysplasia and Carcinoma. *Journal of Oncology*. Article ID 507286. pages 9
- Howie, H.L., Katzenellenbogen, R.A. & Galloway, D.A. 2009. Papillomavirus E6 proteins. *Virology*. Vol. 384, No. 2, pp. (324-334).
- Jastreboff, A.M., Cymet, T. 2002. Role of Human papillomavirus in The Development of Cervical Cancer Intraepithelial Neoplasia and Malignancy. *Postgrad Med. J* 78: 225-228.
- KemenKes, 2015. Pusat Data dan Informasi, Badan Penelitian dan Pengembangan Kesehatan Kementerian Kesehatan Republik Indonesia.
- Kemena, C. and Notredame. 2009. Upcoming challenges for multiple sequence alignment methods in the high-throughput era. *Bioinformatics*. 25: 2455 – 2465.
- Kresno, Siti Boedima. 2010. *Diagnosis dan Prosedur Laboratorium*. Jakarta: Badan Penerbit Fakultas Kedokteran Universitas Indonesia.
- Kumar, V., Ramzi, S & Stanley, L. 2003. *Robbin's Basic Pathology (7<sup>th</sup> Edition)*. New York: Elsevier Inc.
- Magdeldin, Sameh. 2012. *Gel Electrophoresis-Principles and Basics*. Rijeka: InTech Publisher.

- Mardjikoen, P. 2007. Tumor Ganas Alat Genital. Dalam: Wiknjosastro, H., Saifuddin, A.B., Rachimadhi, T. Ed. Ilmu Kandungan Edisi Kedua. Jakarta: Yayasan Bina Pustaka Sarwono.
- Mardjikoen P. 2009. Serviks Uterus. Dalam: Prawirohardjo S. Ilmu kandungan. Edisi 2. Jakarta: Bina Pustaka; 380-3.
- Maufort, J.P. et al., 2010. A Role for HPV16 E5 in Cervical Carcinogenesis. , 70(7), pp.2924–2932.
- Myers ER, McCrory DC, Nanda K, Bastian L, Matchar DB. 2000. Mathematical model for the natural history of human papillomavirus infection and cervical carcinogenesis. *Am. J. Epidemiol.*; 151(12): 1158-71.
- Molijn, A. et al., 2005. Molecular diagnosis of human papillomavirus (HPV) infections. *Journal of Clinical Virology*, 32(SUPPL.), pp.43–51
- Motoyama, S., Ladineslave, C.A./ Villanueva, S.L., Mauro, T. 2004. The Role of Human Papillomavirus in The Molecular Biology of Cervica Carcinogenesis. *Kobe. J. Med. Sci* 50(1): 9-19.
- Nair P, 2005, Epidermal growth factor reseptor family and its role in cancer progression. *Curr. Sci.* 88, 890-898.
- Narechania, A., Chen, Z., Desalle, R., & Burk, R. D. (2005). Phylogenetic Incongruence among Oncogenic Genital Alpha Human Papillomaviruses, 79(24), 15503–15510. <http://doi.org/10.1128/JVI.79.24.15503>
- Notredame, C. 2007. Recent evolutions of multiple sequence alignment algorithms. *PLOS Comput. Biol.* 3: E123.
- Nam E.J., Kim J.W., Hong J.W., Jang H.S., Lee S.Y., Jang S.Y., Lee D.W., Kim S.W., Kim J.H., Kim Y.T., Kim S., Kim J.W. 2008. Expression of the p16INK4a and Ki67 in Relation to the Grade of Cervical Intraepithelial Neoplasia and Highrisk Human Papillomavirus Infection. *Journal of Gynecology Oncology*, 19(3): 162168.
- Novel, S.S., Harjanto, S.H., Nuswantara, S. 2011. Perbandingan Beberapa Metode Molekuler dalam Uji DNA HPV (Human papillomavirus). *CDK 186 Vol.38* (5): 35-258.
- Nuranna, L. 2005. Penanggulangan Kanker Serviks yang Sahih dan Andal dengan Metode Proaktif-VO (Proaktif, koordinatif dengan skrining IVA dan terapi krio). Disertasi. Jakarta: FKUI.
- Pradita, A., dkk 2014. Sekuens Gen Protein Kapsid Mayor L1 Human Papilomavirus 16 dari Isolat Klinik Asal Bandung, Departemen Obstetri dan



Ginekologi Fakultas Kedokteran Universitas Padjadjaran /Rumah Sakit Dr. Hasan Sadikin Bandung, MKB, Volume 46 No. 3.

- Paavonen J. 2007. Human Papillomavirus Infection and the Development of Cervical Cancer and Related Genital Neoplasia. *International Journal of Infectious Disease*, 11(Suplement 2): 5359.
- Pretorium, R., Semrad, D., Watring, W., Fotheringham, N. 1991. Prentaion of Cervical Cancer. *Gynecol Oncol* 42: 48-52.
- Primrose S.B., and Twyman, R., 2006. Principles of Gene Manipulation. Blackwell Publishing 350 Main Street, Malden, MA 02148-5020, USA 9600 Garsington Road, Oxford OX4 2DQ, UK 550 Swanston Street, Carlton, Victoria 3053, Australia,
- Sambrook, J., Russel, D.W. 1989. Molecular cloning, A Laboratory manual 2<sup>nd</sup> Edition. New York: Cold-spring Harbour Laboratory Press.
- Sahasrabuddhe, V. V, Gravitt, P. E., Hsing, A. W., & Burk, R. D. (2013). Evolution and Taxonomic Classification of Alphapapillomavirus 7 Complete Genomes : HPV18 , Variants and Whole Genome Sequencing, 8(8), 1–15. <http://doi.org/10.1371/journal.pone.0072565>
- Schellekens, M., Dijkman, A., Aziz, M.F., Siregar, B., Cornain, S., et al. 2004. Prevalence of Single and Multiple HPV Types in Cervical Carnomas in Jakarta, Indonesia. *Gynecol Oncol* 93: 49-53.
- Schiffman, M. et al., 2005. The carcinogenicity of human papillomavirus types reflects viral evolution. *Virology*, 337(1), pp.76–84.
- Shang Q, Wang Y, Fang Y, Wei L, Chen S, et al. 2011. Human papillomavirus type 16 variant analysis of e6, e7, and 11 genes and long control region in identification of cervical carcinomas in patients in northeast china. *J Clin Microbiol* 49: 2656–2663.
- Sichero L, Villa LL. 2006. Epidemiological and functional implications of molecular variants of human papillomavirus. *Braz J Med Biol Res*; 39(6):707-17.
- Sudjadi. 2008. Bioteknologi Kesehatan. Yogyakarta: Kanisius.
- Suryanto. D, 2003. Melihat Keanekaragaman Organisme Melalui Beberapa Teknik Genetika Molekuler. Program Studi Biologi Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Sumatera Utara.
- Suwiyoga, K. 2007. Kanker Serviks: Penyakit Keganasan Fatal yang Dapat di Cegah. *Majalah Obsteri dan Ginekologi Indonesia* Volume 31(1).

- Suprynowicz, F.A. et al., 2005. Are transforming properties of the bovine papillomavirus E5 protein shared by E5 from high-risk human papillomavirus type 16, 332, pp.102–113.
- Thermo Scientific. 2011. Assesment of nucleic acid purity. T042-Technical Bulletin Nano Drop Spectrophotometers. New York: Wilmington
- Thierry, F., Benotmane, M.A., Demeret, C., Teisser, S., Desaintes, O. 2004. A Genomic Approach Reveals a Novel Mitotic Pathway in papillomavirus Carcinogenesis. *Cancer Res* 64: 895-903.
- Tjalma W.A.A., Van Waes T.R., Van Den Eiden L.E.M., Bogers J.J.P.M. 2005. Role of Human Papillomavirus in the Carcinogenesis of Squamous Cell Carcinoma and Adenocarcinoma of the Cervix. *Best practice & research clinical obstetric and gynecology*, 19(40):469-483.
- Venuti, A. et al., 2011. Papillomavirus E5 : the smallest oncoprotein with many functions. *Molecular Cancer*, 10(1), p.140. Available at: <http://www.Molecular-cancer.com/content/10/1/140>.
- Vet, J.N.I., de Boer1, M. A., van den Akker, B., Siregar, B., Lisnawati, Budiningsih, S, Tyasmorowati, D., Moestikaningsih, Cornain. 2008. Prevalence of human papillomavirus in Indonesia, a population-based study in three regions. *British Journal of Cancer*, 99, 214-218.
- Villa LL, Sichero L, Rahal P, Caballero O, Ferenczy A, et al. 2000. Molecular variants of human papillomavirus types 16 and 18 preferentially associated with cervical neoplasia. *J Gen Virol* 81: 2959–2968
- Weissensteiner, T., Griffin, H.G., Griffin,A. 2004. PCR Technology Current Innovations 2<sup>nd</sup> Edition. Florida: CRC Press LLC.
- Well, M., Ostoe, A.G., Crum, C.p., Tommasino, M., Nesland, J.M., Goodman, A.K., et al. 2001. Epthelial Tumours. In: Tavassoli, F.A., Devilee, P. Eds. World Health Organization Classification of Tumours: Pathology and Genetics of tumours of The Breast and Genital Organ. Lyon: IARC Press.
- Wells M., Ostor A.G., Crum C.P., Franceschi S., Tommasino M. 2003. Epithelial tumours. In: Tavassoli F.A., Devilee P., editors. WHO: Pathology and Genetics Tumours of the Breast and Female Genital Organ. Lyon: IARC. p. 262-270.
- Wolfe, S.L. 1995. Introduction to Cell and Molecular Biology. Belmont: Wardworth Publishing Company.
- Woodman, C.B., Collins, S.I., Young, L.S. 2007. The Natural History of Cervical HPV Infection: Unresolved Issues. *Nature Reviews Cancer* 7: 11-22

- Wulandari, D.T. & Sudiro, Mirawati. 2014. Pengembangan Antivirus Human papillomavirus Berbasis Molekul Kecil. *MKA Volume 37*: 58-63.
- Yusuf, Z.K. 2010. Polymerase chain reaction (PCR). *Saintek Volume 5*
- Yuwono, T. 2005. Biologi molekular. Jakarta: Erlangga.
- Yuwono, T. 2006. Teori dan aplikasi PCR. Yogyakarta: Penerbit Andi.
- Zheng ZM, Baker CC. 2006. Papillomavirus genome structure, expression, and post-transcriptional regulation. *Front Biosci*; 11: 2286-302

