

- Apte, A. & Daniel, S. 2009. PCR Primer Design. *Cold Spring Harbor Protocols*. pp: 1-11.
- American Cancer Society.2015. *Breast Cancer Facts & Figures 2015-2016*. Atlanta:
American Cancer Society, Inc.
- Antonarakis, S.E. dan Cooper, D.N. 2003. *Mutations in Human Genetic Diseases*. Nature Encyclopedia of the Human Genome. P: 227–253.
- Armbruster, D.A., Tillman, M.D., dan Hubbs, L.M. 1994. Limit of detection (LQD)/limit of quantitation (LOQ): comparison of the empirical and statistical methods exemplified with GC-MS assays of abused drugs. *Clin Chem*. (40): 91 - 93.
- Babu,P.G., Rawal, B.D., Khayam-Bashi, H., dan Vyas, G.N. 1993. Detection of exceedingly low levels of HIV proviral DNA in multimillion peripheral blood mononuclear cells by PCR. *PCR Methods Appl*. (63): 4.
- Bio-Rad. 2006. *Real-time PCR Applications Guide*. *Bulletin*. 5279.
- Cantsilieris, Paul N. Baird and Stefan J. White. 2013. Molecular methods for genotyping complex copy number polymorphisms. *Genomics*. 101; 86–93.
- Chen J-Q, Russo J. ER- α negative and triple negative breast cancer : molecular features and potential therapeutic approaches. NIH Public Access. *Bioch Biophys Acta* 2009; 1796(2):162-75.
- Collins, F.S., M.S. Gruyer, and A. Chakravarti. 1997. Variations on a theme: Cataloging human DNA sequence variation. *Science*. (278): 1580–1581.
- Courtney,A., Gabriel dan Susan,M Domchek. 2012. Breast Cancer in Young Women. *Breast Cancer Research*. (12) :212.
- D. Xie, X-O. Shu, Z. Deng, W-Q. Wen, K.E. Creek, Q. Dai. 2000. Population-based, case–control study of HER2 genetic polymorphism and breast cancer risk. *J. Natl Cancer Inst*. 92 : 412–417.
- Desriani, Wirisma Arif Harahap, Ariza Yandwiputra Besari. 2016. Improved PCR-RFLP Method for Her-2 Ile655Val Breast Cancer Patients Detection. *International Journal on Advenced Science Engineering Information Technology*. Vol. 6 No.2, 205-209. DOI: 10.18517/ijaseit.6.2.742.
- Dinas Kesehatan Nasional. 2007. Data penderita kanker payudara di Indonesia. [<http://www.depkes.go.id/index.php/berita/press-release/1060-jikatidak-dikendalikan-26-juta-orang-di-dunia-menderita-kanker-.html>]. Diakses pada tanggal 24 Februari 2016.
- Ellis, E.O., Schnitt, S.J., S.-Garau, X., Bussolati, G., Tavassaoli, F.A., Eusebi, V. 2003. *Pathology and Genetic of Tumours of The Breast and Female Genital Organs / WHO Classification of Tumours*. Washington: IARC Press.. P.10, 34-6.

- Esteva, F.J dan Lajos,P. 2005. Optimizing Outcomes in HER2-Positive Breast Cancer: The Molecular Rationale. *Oncology Journal, Breast Cancer, HER2-Positive Breast*.
- Franca, L.T., Emanuel, C., dan Tarso, B.L.K. 2002. A review of DNA *sequencing* techniques. *Quarterly Reviews of Biophysics*. (2):169-171.
- Germer, S., dan Rusell, H. 1999. *Single-Tube Genotyping* without Oligonucleotide Probes. *Cold Spring Harbor Laboratory Press*. 9:72-78.
- Haghshenas, L. dan Khandouzi, M. 2014. HER2 Ile655Val SNP and Risk of Breast Cancer. *International Journal of Multidisciplinary Educational Research*.3(7) : 2.
- IARC. GLOBOCAN. 2008. Breast Cancer Incidence and Mortality Worldwide in 2008. <http://globocan.iarc.fr/factsheets/cancers/breast.asp>. Diakses pada tanggal 17 Februari 2016.
- J. Papewalis, A.Y. Nikitin, M.F. Rajewsky. 1991. G to A polymorphism at amino acid codon 655 of the human erbB-2/HER-2 gene. *Nucleic Acids Res*. 19 : 5452.
- Kageyama, T., Shigeyuki, K., Michiyo,S., Kazue, U., Shuetsu, F., Fuminori, B., Hoshino, Naokazu, T., dan Kazuhiko Katayama. 2003. Broadly reactive and highly sensitive assay for Norwalk-Like Viruses based on real-time quantitative reverse transcription-PCR. *Journal of Clinical Microbiology*. P: 1548–1557.
- Kalendar, R., Lee, D., & Schulman, A.H. 2011. Java web tools for PCR, in silico PCR, and oligonucleotide assembly and analysis. *Genomics*, 98(2). pp: 137-144.
- Kalendar, R., Lee, D, & Schulman, A. H. 2014. *FastPCR software for PCR, in silico PCR, and oligonucleotide assembly and analysis*. *DNA Cloning and Assembly Methods, Methods in Molecular Biology*, Svein Valla and Rahmi Lale (ed.), 1116. pp: 271-302.
- Kashles O, Szapary D, Bellot F, Ullrich A, Schlessinger J and Schmidt A. 1991. Ligand-induced stimulation of epidermal growth factor receptor mutants with altered transmembrane region. *Proc.Natl. Acad. Sci. USA* (85): 9567-9571.
- Katayama, K., H. Shirato-Horikoshi, S. Kojima, T. Kageyama, T. Oka, F. B. Hoshino, S. Fukushi, M. Shinohara, K. Uchida, Y. Suzuk, T. Gojobori, dan N. Takeda. 2002. Phylogenetic analysis of the complete genome of 18 Norwalk- like viruses. *Virology*. P: 225–239.
- Key,T.J.,Schatzkin,A.,Willett,W.C.,Allen,N.E.,Spencer,Ea dan Travis,R.C. 2004. Diet, nutrition and the prevention of cancer. *Public Health Nutr*.(7):187-200.
- Klein, D. 2002. Quantification using real-time PCR technology: applications and limitations. *Trend Mol Med*. (8): 257–260.
- Kojima, S., T. Kageyama, S. Fukushi, F. B. Hoshino, M. Shinohara, K. Uchida, K. Natori, N. Takeda, dan K. Katayama. 2002. Genogroup-specific PCR primers for detection of Norwalk-like viruses. *J. Virol. Methods* (100): 107–114.

- Liu et al. An improved allele-specific PCR primer design method for SNP marker analysis and its application. *Plant Methods*. 2012 8:34.
- Matthews, J.A., dan Kricka, L.J. 1988. Analytical strategies for the use of DNA probes. *Anal Biochem*. (169): 1–25.
- Michael, T. 2001. A new mathematical model for relative quantification in *Real Time PCR*. *Nucleic Acid Research*. Vol. 29 (9) : 2004.
- Monis, P.T., Steven, G., dan Christopher, P.S. 2005. Comparison of SYTO9 and SYBR Green I for real-time polymerase chain reaction and investigation of the effect of dye concentration on amplification and DNA melting curve analysis. *Analytical Biochemistry*. (340) : 24–34.
- Morrison, T., Weiss, J.J. and Wittwer, C.T. 1998. Quantification of low copy transcripts by continuous SYBR Green I monitoring during amplification. *Biotechniques*. 24. 954-962.
- Morrison, T., Weiss, J.J. and Wittwer, C.T. 1998. Quantification of low copy transcripts by continuous SYBR Green I monitoring during amplification. *Biotechniques*. 24. 954-962. *Nature*.(411): 199-204.
- Munshi, A. 2012. *DNA sequencing – method and applications*. Kroasia : INTECH Publishers. P: 3-5.
- Negro, A., Brar, B.K, dan Lee, K.F. 2004. Essential roles of Her2/erbB2 in cardiac development and function. *PubMed Review*.(59): 1- 12.
- Nicolas, L., Milon, G., dan Prina, E., 2002. Rapid differentiation of Old World *Leishmania* species by LightCycler polymerase chain reaction and melting curve analysis. *J. Microbiol. Methods*. (51): 295–299.
- Owczarzy R, Moreira BG, et al. 2008. Predicting stability of DNA duplexes in solutions containing magnesium and monovalent cations. *Biochemistry*. 47(19): 5336-5353.
- P.P. Di Fiore, J.H. Pierce, M.H. Kraus, O. Segatto, C.R. King, S.A. Aaronson. 1987. erbB-2 is a potent oncogene when overexpressed in NIH/3T3 cells. *Science*.(237):178–182.
- Pal, S.K dan Pegram, M. 2007. HER2 targeted therapy in breast cancer beyond Herceptin. *Rev Endocr Metab Disord*. 8(3):269-77.
- Reich, DE., Cargill, M., dan Bolck, S. 2001. Linkage disequilibrium in the human genome.
- Revillion F, Bonnetterre J, Peyrat JP. 1998. ERBB2 oncogene in human breast cancer and its clinical significance. *Europe Journal Cancer*. (34):791–808.

- Sachidanandam R, Weissman D, Schmidt SC, Kakol JM, Stein LD, Marth *Get al.* 2001. A map of human genome sequence variation containing 1.42 million *single* nucleotide polymorphisms. *Nature.* (409): 928–933.
- Sakamoto, M., takachi, Y., Umeda, M., Ishikawa, I. And Benno, Y. 2001. Rapid detection and quantification of five periodontopathic bacteria by real – time PCR. *Microbiol. Immunol.* 45. 39 – 44.
- Sakamoto, M., takachi, Y., Umeda, M., Ishikawa, I. And Benno, Y. 2001. Rapid detection and quantification of five periodontopathic bacteria by real – time PCR. *Microbiol. Immunol.* 45. 39 – 44.
- Sanger, F., Nicklen, S. & Coulson, A. R. 1977. DNA *sequencing* with chain-terminating inhibitors. *Proc. natn. Acad. Sci. USA.* (74):5463.
- Santin, A.D. 2006. *Role of Immunohistochemical Expression of HER2/neu in High-Grade Ovarian Serous Papillary Cancer.* In: Hayat, M.A. editor. Handbook of Immunohistochemistry and in situ Hybridization of Human Carcinomas. London: Elsevier Academic Press. p. 333-338.
- Slamon D. J., Clark G. M., Wong S. G., Levin W. J., Ullrich A., McGuire W. L. 1987. Human breast cancer: correlation of relapse and survival with amplification of the HER-2/neu oncogene. *Science.*(235):18210.
- Sriyani,M.E.dan Nurlaila, Z. 2009. Karakteristik penyimpanan kit cair radiofarmaka siprofloksasin dalam wadah tunggal. *Prosiding Seminar Nasional V SDM Teknologi Nuklir.* Yogyakarta.
- Theresa, HM Keegan., Mindy, C DeRouen., David, J Press., Alison, W. Kurian, dan Christina, A Clarke. 2012. Occurrence of breast cancer subtypes in adolescent and young adult women. *Breast Cancer Research.* (14) : 55.
- Tijindarbumi, D dan Mangunkusumo, R. 2002. Cancer in indonesia, present and future. *Jpn. J. Clin. Oncol.* (32) : 18.
- Triningsih, Puji Widayati, Sutari, Sri Setiyowati. 2010. Uji stabilitas kit immunoradiometric assay carbohydrate antigen-125 untuk pemantauan kanker ovarium. *Prosiding Seminar Nasional VI Teknologi Nuklir.* Yogyakarta.
- Varga, A. and James, D. 2006. Real-time RT-PCR and SYBR *Green* I melting curve analysis for the identification of *Plum pox virus* strains C, EA, and W: Effect of amplicon size, melt rate, and dye translocation. *Journal of Virological Method.* 132 : 146–153.
- Varga, A. dan James, D. 2006. Real-time RT-PCR and SYBR *Green* I melting curve analysis for the identification of *Plum pox virus* strains C, EA, and W: Effect of amplicon size, melt rate, and dye translocation. *Journal of Virological Method.* 132 : 146–153.
- Vu, T dan Claret, F. 2012. Trastuzumab: updated mechanisms of action and resistance in breast cancer. *Frontier in Technology; Mini review article.* 2.



- Wang, J., Karen, C., Mandeep, A., Sarika, P., Nanette, U., Daniel, M., Russell, M., dan Soren, G. 2005. High-throughput SNP *genotyping* by *single-tube* PCR with *Tm-Shift* primers. *BioTechniques*. 39(6):885-893.
- WHO. 2005. Data penderita kanker payudara di dunia. [<http://www.who.int/cancer/detection/braestcancer/en/index1.html>]. Dikases pada tanggal 24 Februari 2016.
- Widayati, P., Ariyanto, A., dan Sutari. 2006. *Validasi Kit IRMA CA-125*. Proseding Seminar Nasional XV Kimia Dalam Industri dan Lingkungan,. Jaringan Kerja Sama Kimia Indonesia. Yogyakarta.
- Y. Yarden dan M. Sliwkowski. 2001. Untangling the ErbB signalling network. *Nat. Rev. Mol. Cell Biol.*(2): 127–137.
- Yamauchi, H., Stearns, V., dan Hayes, D.F. 2001. When is a tumor marker ready for prime time? A case study of c-erbB-2 as a predictive factor in breast cancer. *J. Clin. Oncol.* (19): 2334–2356.
- Zipper, H., Brunner, H., Bernhagen, J., dan Vitzthum, F., 2004. Investigations on DNA intercalation and surface binding by SYBR *Green* I, its structure determination and methodological implications. *Nucleic Acids Res.* 32 (12):103.
- Harmita.2004. Petunjuk pelaksanaan validasi metode dan cara perhitungannya. *Majalah Ilmu Kefarmasian.Review Artikel.* (1); 117 – 135.
- Kwok, Pui-Yan.2001. Methods for *genotyping single* nucleotide polymorphisms.*Annual Review of Genomics and Human Genetics.* (2): 235-258.
- Robertson, L.J. Hermansen, L., Gjerde, B.K., Strand, E., Alvsva, J.O., dan Langeland, N. 2004. Application of *genotyping* during an extensive outbreak of waterborne giardiasis in bergen. *Applied and Environmental Microbiology*.P: 2212-2217.
- ICH Q2A. 2014. *Validation of Analytical Procedures: Definitions and Terminology*. International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use. San Diego. USA.
- CDER dan CBER. 2015. *Analytical procedures and methods validation for drugs and biologics guidance for industry*. U.S. Department of Health and Human Services Food and Drug Administration. P: 1-18.
- Dhas D,B.B., Hiasindh, A.A., Vishnu, B.B., Subash, C.P., dan Banupriya, N. 2015. Modified low cost snp *genotyping* technique using cycle threshold (Ct) and melting temperature (Tm) values in allele specific real-time pcr. *Indian.J.Med.Res.*(142):555-562.
- Balboni, A., Francesco, D., Santino, P., dan Mara,B. 2015. Development of a SYBR *Green* real-time PCR assay with melting curveanalysis for simultaneous detection and differentiation of canineadenovirus type 1 and type 2. *Journal of Virological Methods.*(222):34-4.