

DAFTAR PUSTAKA

1. Pitkin, J., Peattie,A., Magowan, AB., 2003, *Obstetric and Gynaecology an Illustrate Colour*.
2. World Health Organization, 2018, Cancer, Deteksi Kanker Berdasarkan Data Microarray Menggunakan Metode Naïve Bayes dan Hybrid Feature Selection, Vol. 4, No. 3, *Jurnal Media Informatika Budidarma*.
3. IARC (International Agency for Research on Cancer), *Cancer Today*, <http://gco.iarc.fr/>, Diakses Oktober 2020.
4. Veetil, S.K., Saokaew, S., Lim, K.G., Ching, S.M., Phisalprapa, P and Chaiyakunapruk, N., 2016, Comparative Effectiveness Of Chemopreventive Inretventions for Colorectal Cancer, *Journal of Gastrointestinal Oncology*, Vol.7 No.4, hal. 595-602.
5. Miller, K., Siegel, R. and Jemal, A., 2016, *Cancer Treatment & Survivorship Facts & Figures 2016-2017*, *American Cancer Society*.
6. Anderson, B.L., Hamed, T.H., 2009, Psychological Reactions to Radiation Therapy, *J Pers Soc Psychol*, Vol. 48 No. 4, hal 1024-1032
7. Beebe, S. J., Sain, N. M. and Ren, W. (2013), ‘Induction of Cell Death Mechanisms and Apoptosis by Nanosecond Pulsed Electric Fields (nsPEFs)’, *Cells* 2(6 March), 136–162.
8. Doyle, B., 2011, Treating Cancer With Electric Fields, http://www.ted.com/talks/bill_doyle_treating_cancer_with_electric_fields.html diakses Oktober 2020.
9. Beebe, S.J., Sain, N.M., and Ren, W., 2013, Introduction of Cell Death Mechanisms and Apoptosis by Nanosecond Pulsed Electric Fields (nsPEFs), *Cells*, Vol.2, hal 136-162.
10. Benson, L., 2018, Tumor Treating Fields Technology, *Therapy for the Treatment of Solid Tumors*, Vol.2 No.34, hal 137-150
11. Mun, E.J., Babiker, H.M., Weinberg, U., Kirson, E.D. and Von Hoff,D.D., 2018, Tumor Treating Fields A Fourth Modality in Cancer Treatment, *Clinical Cancer Research*, Vol. 2 No. 24, hal 266-275
12. Kirson, E.D., Dbaly, V., Tovarys, F., Vymazal, J., Soustiel, J.F., Itzhaki, A., Mordechovich, D., Steinberg, S.S., Gurvich, Z., Schneiderman, R., Wasserman, Y., Salzberg, M., Ryffel, B., Goldsher, D., Dekel, E., and Palti, Y., 2007, Alternating Electric Fields Arrest Cell Proliferation in Animal

- Tumor Models and Human Brain Tumors, *Proceedings of The National Academy of Sciences*, Vol.24 No.104, hal 10152-10157.
13. Gera, N., Yang, A., Holtzman, T.S., Lee, S.X. and Wong, E.T., 2015, Tumor Treating Fields Perturb the Localization of Septins and Cause Aberrant Mitotic Exit, *PLoS ONE*, Vol.5 No.10, hal1–20.
 14. Muttaqin, A., 2020, Pengaruh Low Electric Fields Tumor Treatment Direct Current (LETTDC) Terhadap Jenis Kematian Sel pada Cell Line Hela, Tesis, Biomedik Unand, Padang.
 15. Campbell, Neil A. 2002. Biologi Edisi Kelima Jilid 1. Jakarta :Erlangga.
 16. Turner, Phil, et al. 2005. Molecular Biology Third Edition. New York : Taylor & Francis Group.
 17. Siegel, George J., et al. 2006. Basic Neurochemistry: Molecular, Celullar and Medical Aspects. New York : Elsevier Academic Press.
 18. Alberts, Bruce, et al. 2015. Molecular Biology of The Cell Sixth Edition. New York : Garland Science.
 19. Handayani, Yunita Kusuma. Efektivitas Penggunaan Electro Capacitive Cancer Treatment (ECCT) dalam Terapi Kanker Payudara. Skripsi. Universitas Indonesia. Juni 2012. pp. 6-19.
 20. Pardee, Arthur B. Cancer Cells and Normal Cells. Proceedings of The American Philosophical Society, Vol. 120, No. 20. April 1976. pp. 87-91.
 21. WHO. Indonesia,Global Burden Cancer 2018 [Internet]. International Agency for Research on Cancer. 2018. p. 1. Available from: <https://gco.iarc.fr/today/data/factsheets/populations/360-indonesia-factsheets.pdf>
 22. American Cancer Soceity. (2014). *Cancer Factd and Figures 2014*. Atlanta: American Cancer Society.
 23. Baze, C., Monk, J.B., & Herzog, T.J. (2008). The impact of cervical cancer on quality of life : A personal account. *Gynecologic Oncology*, 109(2):S12-S14.
 24. Landry, J. J. M., Pyl, P. T., Rausch, T., Zichner, T., Tekkedil, M. M., Stutz, A. M., Jauch, A., Aiyar, R. S., Pau, G., Delhomme, N., Gagneur, J., Korbel, J. O., Huber, W. and Steinmetz, L. M. (2013), ‘The Genomic and Transcriptomic Landscape of a HeLa Cell Line’, *G3-Genes—Genomes—Genetics* 3(8), 1213–1224.

25. Wang, M. H. and Jang, L. S. (2009), ‘A systematic investigation into the electrical properties of single HeLa cells via impedance measurements and COMSOL simulations’, Biosensors and Bioelectronics 24(9), 2830–2835.
26. Tsai, S. L. and Wang, M. H. (2016), ‘24 h observation of a single HeLa cell by impedance measurement and numerical modeling’, Sensors and Actuators, B: Chemical 229, 225–231.
27. Griffiths, David J. dan Reed College. 1999. Introduction to Electrodynamics. New Jersey: Prentice Hall, Inc.
28. Handriyanto, Markus. Efektivitas Electro-Capacitive Cancer Treatment (ECCT) untuk Kanker Otak. Skripsi. Universitas Indonesia. Mei 2013. pp. 10-35.
29. Palti, Yoram. Treating Cancer with Electric Fields that are Guided to Desired Locations within a Body. US 20060282122A1. 14 Desember 2006. pp. 1.
30. Aizawa, M., Toyoshima, T., Yaoito, M. and Ikariyama, Y. (1985), ‘Electrical Potential Control of Cell Adsorption on Solid Surface’, The Chemical Society of Japan 1467(6), 1302–1306.
31. Kotnik, T. and Miklavčič, D. (2006), ‘Theoretical evaluation of voltage induction on internal membranes of biological cells exposed to electric fields’, Biophysical Journal 90(2), 480–491.
32. Yaoita, M., Ikariyama, Y. and Aizawa, M. (1990), ‘Electrical effects on the proliferation of living HeLa cells cultured on transparent electrode surface’, J. Biotech. 14(-), 321–332.
33. Pethig, R. (2014), Electrical properties of tissue, chapter III, pp. 93–132.
34. Dimitrov, D. S. (1995), Electroporation and electrofusion of membranes, Vol. 1, Elsevier Science B.V, chapter 18, pp. 851–901.
35. Stacey, M., Stickley, J., Fox, P., Statler, V., Schoenbach, K., Beebe, S. J. And Buescher, S. (2003), ‘Differential effects in cells exposed to ultra-short, high intensity electric fields: Cell survival, DNA damage, and cell cycle analysis’, Mutation Research - Genetic Toxicology and Environmental Mutagenesis 542(1-2), 65–75.
36. M. A. Ahmad, Z. A. Natour, F. Mustafa, and T. A. Rizvi, “Electrical characterization of normal and cancer cells,” IEEE Access, vol. 6, pp. 25979–25986, 2018.

37. J. Bernstein and A. Tschermak, "Untersuchungen zur &ermodynamik der bioelektrischen Str&ome," Pfl&ugger, Journal of Engineering 15 Archiv f&ur die Gesammte Physiologie des Menschen und der tiere, vol. 112, no. 9-10, pp. 439–521, 1906.
38. R. Hober, "Eine Methode, die elektrische Leitf&ahigkeit im Innern von Zellen zu messen," Pfl&ugger's Archiv f&ur die Gesammte Physiologie des Menschen und der Tiere, vol. 133, no. 4–6, pp. 237–253, 1910.
39. H. Fricke and S. Morse, "&e electric resistance and capacity OF blood for frequencies between 800 and 4 ½ million cycles," e Journal of General Physiology, vol. 9, no. 2, pp. 153–167, Nov. 1925.
40. K. S. Cole and R. F. Baker, "Longitudinal impedance OF the squid giant axon," e Journal of General Physiology, vol. 24, no. 6, pp. 771–788, 1941.
41. M. Al Ahmad, F. Mustafa, L. M. Ali, J. V. Karakkat, and T. A. Rizvi, "Electrical Characterization of Normal and Cancer Cells," Sci. Rep., vol. 5, p. 9809, May 2018.
42. Qiao, G., Duan, W., Chatwin, C., Sinclair, A. and Wang, W. (2010), 'Electrical properties of breast cancer cells from impedance measurement of cell suspensions', Journal of Physics: Conference Series 224(1), 012081.
43. Jao, J.-Y., Liu, C.-F., Chen, M.-K., Chuang, Y.-C. and Jang, L.-S. (2011), 'Electrical characterization of single cell in microfluidic device', Microelectronics Reliability 51(4), 781–789.
44. Abdolahad, M., Taghinejad, H., Saeidi, A., Taghinejad, M., Janmaleki, M. and Mohajerzadeh, S. (2014), 'Cell membrane electrical charge investigations by silicon nanowires incorporated field effect transistor (SiNWFET) suitable in cancer research', RSC Advances 4(15), 7425 – 7431.
45. Kirson, E.D., Dbaly, V., Tovarys, F., Vymazal, J., Soustiel, J.F., Itzhaki, A., Mordechovich, D., Steinberg, S.S., Gurvich, Z., Schneiderman, R., Wasserman, Y., Salzberg, M., Ryffel, B., Goldsher, D., Dekel, E., and Palti, Y., 2007, Alternating Electric Fields Arrest Cell Proliferation in Animal Tumor Models and Human Brain Tumors, Proceedings of The National Academy of Sciences, Vol.24 No.104, hal 10152-10157.
46. Gera, N., Yang, A., Holtzman, T.S., Lee, S.X. and Wong, E.T., 2015, Tumor Treating Fields Perturb the Localization of Septins and Cause Aberrant Mitotic Exit, PLoS ONE, Vol.5 No.10, hal1–20.