

DAFTAR PUSTAKA

- Adan, A., Alizada, G., Kiraz, Y., Baran, Y., & Nalbant, A. (2016). Flow cytometry: basic principles and applications., 37(2), 163–176.
<https://doi.org/10.3109/07388551.2015.1128876>
- Aeri, V., Kaushik, U., & Mir, S. (2015). Cucurbitacins - An insight into medicinal leads from nature. *Pharmacognosy Reviews*, 9(17), 12.
<https://doi.org/10.4103/0973-7847.156314>
- Aka, J. A., & Lin, S. X. (2012). Comparison of functional proteomic analyses of human breast cancer cell lines T47D and MCF7. *PLoS ONE*, 7(2), 31532.
<https://doi.org/10.1371/journal.pone.0031532>
- Akram, M., Iqbal, M., Daniyal, M., & Khan, A. U. (2017). Awareness and current knowledge of breast cancer. *Biological Research*, 50(1), 33.
<https://doi.org/10.1186/s40659-017-0140-9>
- Alghasham, A. A. (2013a). Cucurbitacins : A Promising Target for Cancer Therapy. *International Journal of Health Sciences*. <https://doi.org/10.12816/0006025>
- Alghasham, A. A. (2013b). Cucurbitacins : A Promising Target for Cancer Therapy. *International Journal of Health Sciences*, 7(1), 77–89.
<https://doi.org/10.12816/0006025>
- Alsayari, A., Kopel, L., Ahmed, M. S., Soliman, H. S. M., Annadurai, S., & Halaweish, F. T. (2018). Isolation of anticancer constituents from Cucumis prophetarum var. prophetarum through bioassay-guided fractionation. *BMC Complementary and Alternative Medicine*, 18(1), 274.
<https://doi.org/10.1186/s12906-018-2295-5>
- Arvelo, F., Sojo, F., & Cotte, C. (2016). Tumour progression and metastasis. *Ecancermedicalscience*, 10. <https://doi.org/10.3332/ecancer.2016.617>
- Aslantürk, Ö. S. (2018). In Vitro Cytotoxicity and Cell Viability Assays: Principles, Advantages, and Disadvantages. In *Genotoxicity - A Predictable Risk to Our Actual World*. InTech. <https://doi.org/10.5772/intechopen.71923>
- Cancer Today*. (n.d.). Retrieved June 21, 2021, from

[https://gco.iarc.fr/today/online-analysis-](https://gco.iarc.fr/today/online-analysis-table?v=2020&mode=cancer&mode_population=continents&population=900&populations=900&key=asr&sex=2&cancer=39&type=1&statistic=5&prevalence=0&population_group=0&ages_group%5B%5D=0&ages_group%5B%5D=17&group_cancer=1&include_nmsc=1&include_nmsc_other=1)

[table?v=2020&mode=cancer&mode_population=continents&population=900&populations=900&key=asr&sex=2&cancer=39&type=1&statistic=5&prevalence=0&population_group=0&ages_group%5B%5D=0&ages_group%5B%5D=17&group_cancer=1&include_nmsc=1&include_nmsc_other=1](https://gco.iarc.fr/today/online-analysis-table?v=2020&mode=cancer&mode_population=continents&population=900&populations=900&key=asr&sex=2&cancer=39&type=1&statistic=5&prevalence=0&population_group=0&ages_group%5B%5D=0&ages_group%5B%5D=17&group_cancer=1&include_nmsc=1&include_nmsc_other=1)

Casimiro, M. C., Crosariol, M., Loro, E., Li, Z., & Pestell, R. G. (2012). Cyclins and Cell Cycle Control in Cancer and Disease. *Genes & Cancer*, 3(11–12), 649–657. <https://doi.org/10.1177/1947601913479022>

Chudzik, M., Korzonek-Szlacheta, I., & Król, W. (2015). Triterpenes as Potentially Cytotoxic Compounds. *Molecules*, 20(1), 1610–1625. <https://doi.org/10.3390/molecules20011610>

Cooper, G. M. (2000). The Development and Causes of Cancer. *The Cell: A Molecular Approach*. <https://www.ncbi.nlm.nih.gov/books/NBK9963/>

Deore, A. B., Dhumane, J. R., Wagh, R., & Sonawane, R. (2019). The Stages of Drug Discovery and Development Process. *Asian Journal of Pharmaceutical Research and Development*, 7(6), 62–67. <https://doi.org/10.22270/ajprd.v7i6.616>

Duangmano, S., Dakeng, S., Jiratchariyakul, W., Suksamrarn, A., Smith, D. R., & Patmasiriwat, P. (2010). Antiproliferative Effects of Cucurbitacin B in Breast Cancer Cells: Down-Regulation of the c-Myc/hTERT/Telomerase Pathway and Obstruction of the Cell Cycle. *International Journal of Molecular Sciences*, 11(12), 5323–5338. <https://doi.org/10.3390/ijms11125323>

Duangmano, S., Sae-lim, P., Suksamrarn, A., Domann, F. E., & Patmasiriwat, P. (2012). Cucurbitacin B inhibits human breast cancer cell proliferation through disruption of microtubule polymerization and nucleophosmin/B23 translocation. *BMC Complementary and Alternative Medicine*, 12(1), 1177. <https://doi.org/10.1186/1472-6882-12-185>

Elmore, S. (2007). Apoptosis: A Review of Programmed Cell Death. In *Toxicologic Pathology*. <https://doi.org/10.1080/01926230701320337>

Golubovskaya, V. M., & Cance, W. G. (2013). Targeting the p53 Pathway. In *Surgical Oncology Clinics of North America* (Vol. 22, Issue 4, pp. 747–764).

- NIH Public Access. <https://doi.org/10.1016/j.soc.2013.06.003>
- Gunaratna, R. T., Santos, A., Luo, L., Nagi, C., Lambertz, I., Spier, M., Conti, C. J., & Fuchs-Young, R. S. (2019). Dynamic role of the codon 72 p53 single-nucleotide polymorphism in mammary tumorigenesis in a humanized mouse model. *Oncogene*, 38(18), 3535–3550. <https://doi.org/10.1038/s41388-018-0630-4>
- Hasbullah, U. H. A., Supriyadi, & Daryono, B. S. (2019). Aroma Volatile Compounds Profile of Melon (Cucumis melo L.) cv. Gama Melon Parfum. *IOP Conference Series: Earth and Environmental Science*, 292, 012027. <https://doi.org/10.1088/1755-1315/292/1/012027>
- Hunsakunachai, N., Nuengchamnong, N., Jiratchariyakul, W., Kummalue, T., & Khemawoot, P. (2019). Pharmacokinetics of cucurbitacin B from *Trichosanthes cucumerina* L. in rats. *BMC Complementary and Alternative Medicine* 2019 19:1, 19(1), 1–12. <https://doi.org/10.1186/S12906-019-2568-7>
- Jedrzejczak-Silicka, M. (2017). History of Cell Culture. In *New Insights into Cell Culture Technology*. InTech. <https://doi.org/10.5772/66905>
- Jing, S., Zou, H., Wu, Z., Ren, L., Zhang, T., Zhang, J., & Wei, Z. (2020). Cucurbitacins: Bioactivities and synergistic effect with small-molecule drugs. *Journal of Functional Foods*, 72. <https://doi.org/10.1016/J.JFF.2020.104042>
- Khairani, S., Keban, S. A., & Afrianty, M. (2019). Evaluation of Drug Side Effects Chemotherapy on Quality of Life (QOL) Breast Cancer Patients at Hospital X in Jakarta. *JURNAL ILMU KEFARMASIAN INDONESIA*, 17(1), 9. <https://doi.org/10.35814/jifi.v17i1.705>
- Khalili, A., Potter, D., Yan, P., Li, L., Gray, J., Huang, T., & Lin, S. (2007). Gamma-Normal-Gamma mixture model for detecting differentially methylated loci in three breast cancer cell lines. *Cancer Informatics*, 3, 43–54. <http://www.ncbi.nlm.nih.gov/pubmed/19455234>
- Lee, A. V., Oesterreich, S., & Davidson, N. E. (2015). MCF-7 Cells - Changing the Course of Breast Cancer Research and Care for 45 Years. In *Journal of the National Cancer Institute* (Vol. 107, Issue 7, p. 73). Oxford University Press. <https://doi.org/10.1093/jnci/djv073>

- Liang, J., Zhang, X., Yuan, J., Zhang, H., Liu, D., Hao, J., Ji, W., Wu, X., & Chen, D. (2018). Cucurbitacin B inhibits the migration and invasion of breast cancer cells by altering the biomechanical properties of cells. *Phytotherapy Research*, ptr.6250. <https://doi.org/10.1002/ptr.6250>
- Lim, L. Y., Vidnovic, N., Ellisen, L. W., & Leong, C. O. (2009). Mutant p53 mediates survival of breast cancer cells. *British Journal of Cancer*, 101(9), 1606–1612. <https://doi.org/10.1038/sj.bjc.6605335>
- Malviya, R. (2010). *Polymer Modification and Applications View project extraction of okra mucilage View project*. <https://www.researchgate.net/publication/235987484>
- Maryanto, S. D., Ranis, R. E., & Daryono, B. S. (2015). Stability Phenotypic Characters and The Scent of Gama Melon Parfum Cultivar. *IPTEK Journal of Proceedings Series, I*. <https://doi.org/10.12962/j23546026.y2014i1.286>
- Ozaki, T., & Nakagawara, A. (2011). Role of p53 in Cell Death and Human Cancers. *Cancers*, 3(1), 994–1013. <https://doi.org/10.3390/cancers3010994>
- Papaliagkas, V., Anogianaki, A., Anogianakis, G., & Ilonidis, G. (2007). The proteins and the mechanisms of apoptosis: A mini-review of the fundamentals. In *Hippokratia* (Vol. 11, Issue 3, pp. 108–113). Hippokratia General Hospital of Thessaloniki. [/pmc/articles/PMC2658792/](https://pubmed.ncbi.nlm.nih.gov/168792/)
- Patel, S. B., Attar, U. A., Sakate, D. M., & Ghane, S. G. (2020). Efficient extraction of cucurbitacins from *Diplocyclos palmatus* (L.) C. Jeffrey: Optimization using response surface methodology, extraction methods and study of some important bioactivities. *Scientific Reports*, 10(1), 1–12. <https://doi.org/10.1038/s41598-020-58924-5>
- Permatasari, E., Farida, & Widiyanto, S. (2020). Cytotoxic effects and apoptosis of solo black garlic (*Allium sativum* L.) extract on T47D breast cancer cell Line. *AIP Conference Proceedings*, 2260, 60001. <https://doi.org/10.1063/5.0015736>
- Petrova, O. E., & Sauer, K. (2017). High-performance liquid chromatography (HPLC)-based detection and quantitation of cellular c-di-GMP. In *Methods in Molecular Biology* (Vol. 1657, pp. 33–43). Humana Press Inc. https://doi.org/10.1007/978-1-4939-7240-1_4

- Picot, J., Guerin, C. L., Kim, C. L. Van, & Boulanger, C. M. (2012). Flow cytometry: retrospective, fundamentals and recent instrumentation. *Cytotechnology*, 64(2), 109. <https://doi.org/10.1007/S10616-011-9415-0>
- Rao, R. R. (2016). Principles and Applications of Flow Cytometry. *Journal of Basic and Clinical Research*, 3(2), 29–37.
- Redondo-Blanco, S., Fernández, J., Gutiérrez-del-Río, I., Villar, C. J., & Lombó, F. (2017). New insights toward colorectal cancer chemotherapy using natural bioactive compounds. In *Frontiers in Pharmacology* (Vol. 8, Issue MAR, p. 109). Frontiers Research Foundation. <https://doi.org/10.3389/fphar.2017.00109>
- Sak, K. (2012). Chemotherapy and Dietary Phytochemical Agents. *Chemotherapy Research and Practice*, 2012, 1–11. <https://doi.org/10.1155/2012/282570>
- Saputri, A. P., Wibowo, W. A., & Daryono, B. S. (2020). *Phenotypical characters and biochemical compound of cucurbitacin melon (Cucumis melo L. 'Gama Melon Parfum') resulted from breeding ARTICLES YOU MAY BE INTERESTED IN*. 2260, 60006. <https://doi.org/10.1063/5.0017615>
- Sarkar, S., Horn, G., Moulton, K., Oza, A., Byler, S., Kokolus, S., & Longacre, M. (2013). Cancer development, progression, and therapy: An epigenetic overview. In *International Journal of Molecular Sciences* (Vol. 14, Issue 10, pp. 21087–21113). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/ijms141021087>
- Seyfried, T. N., & Huysentruyt, L. C. (2013). On the Origin of Cancer Metastasis. *Critical Reviews™ in Oncogenesis*, 18(1–2), 43–73. <https://doi.org/10.1615/CritRevOncog.v18.i1-2.40>
- Sharma, G. N., Dave, R., Sanadya, J., Sharma, P., & Sharma, K. K. (2010). Various types and management of breast cancer: an overview. *Journal of Advanced Pharmaceutical Technology & Research*, 1(2), 109–126. <http://www.ncbi.nlm.nih.gov/pubmed/22247839>
- Siegel, R. L., Miller, K. D., & Jemal, A. (2020). Cancer statistics, 2020. *CA: A Cancer Journal for Clinicians*, 70(1), 7–30. <https://doi.org/10.3322/caac.21590>

- Soule, H. D., Vazquez, J., Long, A., Albert, S., & Brennan, M. (1973). A human cell line from a pleural effusion derived from a breast carcinoma^{1,2}. *Journal of the National Cancer Institute*, 51(5), 1409–1416. <https://doi.org/10.1093/jnci/51.5.1409>
- Stamatakis, M., Palla, V., Karaikos, I., Xiromeritis, K., Alexiou, I., Pateras, I., & Kontzoglou, K. (2010). Cell cyclins: triggering elements of cancer or not? *World Journal of Surgical Oncology*, 8(1), 111. <https://doi.org/10.1186/1477-7819-8-111>
- Susilo, I., Maulida, H., Alimsardjono, L., Fauziah, D., & Pertiwi, H. (2021). Apoptosis-Inducing Factor, Protein Expression, and Apoptosis Changes with Glutamine in Podocytes Cells Exposed with Cisplatin. *Veterinary Medicine International*, 2021. <https://doi.org/10.1155/2021/5599452>
- T-47D / ATCC. (n.d.). Retrieved June 29, 2021, from <https://www.atcc.org/products/htb-133#product-references>
- Vidushi, Y., Meenakshi, B., & Bharkatiya, M. B. (2017). A REVIEW ON HPLC METHOD DEVELOPMENT AND VALIDATION. <https://doi.org/10.26479/2017.0206.12>
- Virgo, P. F., & Gibbs, G. J. (2012). Flow cytometry in clinical pathology. *Ann Clin Biochem*, 49, 17–28. <https://doi.org/10.1258/acb.2011.011128>
- Wakimoto, N., Yin, D., O’Kelly, J., Haritunians, T., Karlan, B., Said, J., Xing, H., & Koeffler, H. P. (2008). Cucurbitacin B has a potent antiproliferative effect on breast cancer cells in vitro and in vivo. *Cancer Science*, 99(9), 1793–1797. <https://doi.org/10.1111/j.1349-7006.2008.00899.x>
- Yu, S., Kim, T., Yoo, K. H., & Kang, K. (2017). The T47D cell line is an ideal experimental model to elucidate the progesterone-specific effects of a luminal A subtype of breast cancer. *Biochemical and Biophysical Research Communications*, 486(3), 752–758. <https://doi.org/10.1016/j.bbrc.2017.03.114>
- Yuan, R.-Q., Qian, L., Yun, W.-J., Cui, X.-H., Lv, G.-X., Tang, W.-Q., Cao, R.-C., & Xu, H. (2019). Cucurbitacins extracted from Cucumis melo L. (CuEC) exert a hypotensive effect via regulating vascular tone. *Hypertension Research*,

42(8), 1152–1161. <https://doi.org/10.1038/s41440-019-0258-y>

- Zhang, Y., Zhang, Y., Wang, G., Chen, W., He, P., & Wang, Q. (2016). Simultaneous separation of polar and non-polar mixtures by capillary HPLC based on an octadecylsilane and taurine derivatized silica continuously packed column. *Talanta*, 161(September), 762–768. <https://doi.org/10.1016/j.talanta.2016.09.022>
- Zhou, Y., Ma, Y., Zeng, J., Duan, L., Xue, X., Wang, H., Lin, T., Liu, Z., Zeng, K., Zhong, Y., Zhang, S., Hu, Q., Liu, M., Zhang, H., Reed, J., Moses, T., Liu, X., Huang, P., Qing, Z., ... Huang, S. (2016). Convergence and divergence of bitterness biosynthesis and regulation in Cucurbitaceae. *Nature Plants*, 2(12), 16183. <https://doi.org/10.1038/nplants.2016.183>
- Zubaidah, N. (2007). The cytotoxicity of calcium hydroxide intracanal dressing by MTT assay. In *Dental Journal (Majalah Kedokteran Gigi)* (Vol. 40, Issue 4). <https://e-journal.unair.ac.id/MKG/article/view/1033>