

DAFTAR PUSTAKA

- Abas, F., Lajis, N.H., Shaari, K., Israf, D.A., Stanslas, J., Yusuf, U.K., dkk., 2005b. A Labdane Diterpene Glucoside from the Rhizomes of *Curcuma mangga*. *Journal of Natural Products*, **68**: 1090–1093.
- American Cancer Society, 2019. Breast Cancer Facts & Figures 2019-2020. *Atlanta: American Cancer Society, Inc.*, 44.
- Astuti, E., 2015. 'Selektivitas dan Mekanisme Molekuler Antikanker Ekstrak Aktif Rimpang *Curcuma mangga* Val.', , *Disertasi*, . Universitas Gadjah Mada, Yogyakarta.
- Astuti, E., Sunarminingsih, R., Jenie, U.A., dan Mubarika, S., 2014a. Pengaruh Lokasi Tumbuh, Umur Tanaman Dan Variasi Jenis Destilasi Terhadap Komposisi Senyawa Minyak Atsiri Rimpang *Curcuma mangga* Produksi Beberapa Sentra Di Yogyakarta. *Jurnal Manusia dan Lingkungan*, **21**: 323–330.
- Astuti, E., Sunarminingsih, R., Jenie, U.A., Mubarika, S., dan Siswindari, S., 2014b. Impact of *Curcuma mangga* Val. Rhizome Essential Oil to p53, Bcl-2, H-Ras and Caspase-9 expression of Myeloma Cell Line. *Indonesian Journal of Biotechnology*, **19**: 23–32.
- ATCC, 2021a. 'T-47D ATCC ® HTB-133™ Homo sapiens mammary gland; derived f', . URL: <https://www.atcc.org/en/Global/Products/7/9/1/A/HTB-133.aspx> (diakses tanggal 14/3/2021).
- ATCC, 2021b. 'MCF7 | ATCC', . URL: <https://www.atcc.org/products/htb-22> (diakses tanggal 18/6/2021).
- Backer, C.A. dan Brink, R.C.B. van den, 1965. *Flora of Java*, Volume 2. Wolters-Noordhoff, Groningen.
- Bonam, S.R., Wu, Y.S., Tunki, L., Chellian, R., Halmuthur, M.S.K., Muller, S., dkk., 2018. What Has Come out from Phytomedicines and Herbal Edibles for the Treatment of Cancer? *ChemMedChem*, **13**: 1854–1872.
- Brzozowski, A.M., Pike, A.C.W., Dauter, Z., Hubbard, R.E., Bonn, T., Engström, O., dkk., 1997. Molecular basis of agonism and antagonism in the oestrogen receptor. *Nature*, **389**: 753–758.
- Ciocca, D.R. dan Fanelli, M.A., 1997. Estrogen receptors and cell proliferation in breast cancer. *Trends in endocrinology and metabolism: TEM*, **8**: 313–321.
- Comşa, Ş., Cîmpean, A.M., dan Raica, M., 2015. The Story of MCF-7 Breast Cancer Cell Line: 40 years of Experience in Research. *Anticancer Research*, **35**: 3147–3154.

- Costas-Chavarri, A., Nandakumar, G., Temin, S., Lopes, G., Cervantes, A., Cruz Correa, M., dkk., 2019. Treatment of Patients With Early-Stage Colorectal Cancer: ASCO Resource-Stratified Guideline. *Journal of Global Oncology*, **5**: 1–19.
- Ebina, Y., Mikami, M., Nagase, S., Tabata, T., Kaneuchi, M., Tashiro, H., dkk., 2019. Japan Society of Gynecologic Oncology guidelines 2017 for the treatment of uterine cervical cancer. *International Journal of Clinical Oncology*, **24**: 1–19.
- El-Mowafy, A.M., 2018. Phytomedicines: far Beyond Cytotoxicity in Cancer therapy. Sole Multitarget-Polypharmacology, Chemopreventive and Safety Profiles: Combinatorial Synergy, Chemosensitization and Mitigation of Chemotherapy Adverse-Reactions. *Nutrition and Food Toxicology*, **2**: 359–370.
- Enger, E.D., Ross, F.C., dan Bailey, D.B., 2007. *Concepts in Biology*, Twelfth Edition, International Edition 2007. ed. McGraw-Hill.
- Feng, Y., Spezia, M., Huang, S., Yuan, C., Zeng, Z., Zhang, L., dkk., 2018. Breast cancer development and progression: Risk factors, cancer stem cells, signaling pathways, genomics, and molecular pathogenesis. *Genes & Diseases*, **5**: 77–106.
- Ghiga, I., d'Angelo, C., King, S., Exley, J., Harshfield, A., Rodriguez-Rincon, D., dkk., 2019. 'A Review of the Research Landscape for Treatment of Early Breast Cancer', , *Product Page*, . URL: https://www.rand.org/pubs/research_reports/RR3010z2.html (diakses tanggal 30/6/2019).
- Hanahan, D. dan Weinberg, R.A., 2011. Hallmarks of Cancer: The Next Generation. *Cell*, **144**: 646–674.
- Herranz-López, M., Losada-Echeberría, M., dan Barrajon-Catalán, E., 2019. The Multitarget Activity of Natural Extracts on Cancer: Synergy and Xenohormesis. *Medicines*, **6**: 1–10.
- Hong, G.W., Hong, S.L., Lee, G.S., Yaacob, H., dan Malek, S.N.A., 2016. Non-aqueous extracts of *Curcuma mangga* rhizomes induced cell death in human colorectal adenocarcinoma cell line (HT29) via induction of apoptosis and cell cycle arrest at G0/G1 phase. *Asian Pacific Journal of Tropical Medicine*, **9**: 8–18.
- IARC, 2021. 'Cancer Today: Breast', , Cancer Fact Sheet. The Global Cancer Observatory, International Agency for Research on Cancer, Lyon CEDEX 08, France.

- Jain, A.N. dan Nicholls, A., 2008. Recommendations for evaluation of computational methods. *Journal of Computer-Aided Molecular Design*, **22**: 133–139.
- Jantan, I. bin, Ahmad, A.S., Ali, N.A.M., Ahmad, A.R., dan Ibrahim, H., 1999. Chemical Composition of the Rhizome Oils of Four *Curcuma* Species from Malaysia. *Journal of Essential Oil Research*, **11**: 719–723.
- Karsono, A.H., Tandrasasmita, O.M., dan Tjandrawinata, R.R., 2014. Molecular Effects of Bioactive Fraction of *Curcuma mangga* (DLBS4847) as a Downregulator of 5 α -Reductase Activity Pathways in Prostatic Epithelial Cells. *Cancer Management and Research*, **6**: 267–278.
- Khudzaifi, M., 2021. 'Isolasi dan Karakterisasi Minyak Atsiri *Curcuma mangga* Val. serta Identifikasi dan Studi Molecular Docking Senyawa Aktif Antikanker Payudara', , *Tesis*, . Universitas Gadjah Mada, Yogyakarta, Indonesia.
- Kirana, C., Record, I., McIntosh, G., dan Jones, G., 2003. Screening for Antitumor Activity of 11 Species of Indonesian Zingiberaceae Using Human MCF7 and HT29 Cancer Cells. *Pharmaceutical Biology - PHARM BIOL*, **41**: 271–276.
- Lim, T.K., 2016. *Curcuma mangga*, dalam: Lim, T.K. (Editor), *Edible Medicinal and Non-Medicinal Plants: Volume 12 Modified Stems, Roots, Bulbs*. Springer International Publishing, Cham, hal. 363–370.
- Liu, Y. dan Nair, M.G., 2012. *Curcuma longa* and *Curcuma mangga* leaves exhibit functional food property. *Food Chemistry*, **135**: 634–640.
- Majem, M., Juan, O., Insa, A., Reguart, N., Trigo, J.M., Carcereny, E., dkk., 2019. SEOM clinical guidelines for the treatment of non-small cell lung cancer (2018). *Clinical and Translational Oncology*, **21**: 3–17.
- Malathi, K., An, Anbarasu, dan Ramaiah, S., 2017. Ethyl Iso-allocholate from a Medicinal Rice Karungkavuni Inhibits Dihydropteroate Synthase in *Escherichia coli*: A Molecular Docking and Dynamics Study. *Indian Journal of Pharmaceutical Sciences*, **78**: 780–788.
- Malek, S.N.A., Lee, G.S., Hong, S.L., Yaacob, H., Wahab, N.A., Faizal Weber, J.-F., dkk., 2011. Phytochemical and Cytotoxic Investigations of *Curcuma mangga* Rhizomes. *Molecules (Basel, Switzerland)*, **16**: 4539–4548.
- Mohan, G., T P, A.H., A J, J., K M, S.D., Narayanasamy, A., dan Vellingiri, B., 2019. Recent advances in radiotherapy and its associated side effects in cancer—a review. *The Journal of Basic and Applied Zoology*, **80**: 14.
- NCBI, 2019. '*Curcuma mangga*', , *Taxonomy Browser, National Center for Biotechnology Information*. URL: <https://www.ncbi.nlm.nih.gov/Taxonomy/Browser/wwwtax.cgi?lvl=0&id=379528> (diakses tanggal 30/6/2019).

- Ng, H.W., Zhang, W., Shu, M., Luo, H., Ge, W., Perkins, R., dkk., 2014. Competitive molecular docking approach for predicting estrogen receptor subtype α agonists and antagonists. *BMC Bioinformatics*, **15**: S4.
- Nurkhasanah, Sudibyo, R.S., dan Jenie, U.A., 2002. Analisa GC-MS Minyak Atsiri *Curcuma mangga* Val. *Sains Kesehatan*, **15**: . Diakses pada 6 Juni 2021, <<http://i-lib.ugm.ac.id/jurnal/detail.php?dataId=3437>>
- Platet, N., Cathiard, A.M., Gleizes, M., dan Garcia, M., 2004. Estrogens and their receptors in breast cancer progression: a dual role in cancer proliferation and invasion. *Critical Reviews in Oncology/Hematology*, **51**: 55–67.
- Prayong, P., Barusrux, S., dan Weerapreeyakul, N., 2008. Cytotoxic activity screening of some indigenous Thai plants. *Fitoterapia*, **79**: 598–601.
- Roy, U. dan Luck, L.A., 2007. Molecular modeling of estrogen receptor using molecular operating environment. *Biochemistry and Molecular Biology Education*, **35**: 238–243.
- Rumiyati, Sudibyo, R. S., Siswindari, Jenie, U. A., Mubarika, S., & Kardono, L. B. (2007). Selective cytotoxicity of essential oil of *C. mangga* Val. on cell lines and its effect on expressions of p53 and Bcl-2. Proceeding of The International Symposium on Recent Progress in Curcumin Research (pp. 107-114). Faculty of Pharmacy, Gadjah Mada University, Indonesia
- Shiau, A.K., Barstad, D., Loria, P.M., Cheng, L., Kushner, P.J., Agard, D.A., dkk., 1998. The Structural Basis of Estrogen Receptor/Coactivator Recognition and the Antagonism of This Interaction by Tamoxifen. *Cell*, **95**: 927–937.
- Siswindari, S., Sudibyo, R.S., dan Astuti, E., 2010. Cytotoxic Effects of Protein Fraction Isolated from *Curcuma Mangga* Val. Rhimozes and Containing Ribosome-Inactivating Proteins on Cancer Cell-Lines and Normal Cell. *Indonesian Journal of Chemistry*, **4**: 206–211.
- Stein, S.E., Mikaia, A., Linstrom, P., Mirokhin, Y., Tchekhovskoi, D., Mallard, W.G., dkk., 2008. NIST Standard Reference Database 1A NIST/EPA/NIH Mass Spectral Library (NIST 08) and NIST Mass Spectral Search Program (Version 2.0f) 49.
- Sudibyo, R.S., 2000. Gas Chromatographic-Mass Spectrometric Analysis of The Main Content of Volatile Oil Isolated from *Curcuma mangga*. *BMIPA*, **10**: 55–6.
- Sudibyo, R.S. dan Purnomo, H., 2019. Molecular docking compounds of essential oil isolated from *Curcuma mangga* Val. toward EGFR. *The Science and Science Education International Seminar Proceedings 2019*, C61-69.
- Sudibyo, R.S., Sudarmanto, B.S.A., Mahdi, L., dan Khudzaifi, M., 2020. Pharmacophore Mapping and Molecular Docking Analysis of Essential Oil

- Compounds from *Curcuma mangga* Val. Rhizome against ER α , and the Cytotoxic Effect on MCF7 Cells. *Indonesian Journal of Pharmacy*, **31**: .
- Sudibyo, R.S. dan Taryono, T., 2020. Pemupukan dan Induksi *Curcuma mangga* Val. untuk Peningkatan Zat Antikanker dan Uji Sitotoksitasnya pada T47D. *Jurnal Penelitian Saintek*, **25**: 1–10.
- Toft, D.J. dan Cryns, V.L., 2011. Minireview: Basal-like breast cancer: from molecular profiles to targeted therapies. *Molecular Endocrinology (Baltimore, Md.)*, **25**: 199–211.
- Traboulsi, T., El Ezzy, M., Gleason, J.L., dan Mader, S., 2017. Antiestrogens: structure-activity relationships and use in breast cancer treatment. *Journal of Molecular Endocrinology*, **58**: R15–R31.
- Verlianara, I., 2004. 'Efek in vitro minyak atsiri *Curcuma mangga* Val pada sitotoksitas, antiproliferatif dan apoptosis sel raji dan mieloma', , *Tesis*, . Universitas Gadjah Mada.
- Wah, H.G., 2018. 'Apoptotic Effects and Chemical Investigation of Active Extracts of *Curcuma mangga* Rhizomes', , *Disertasi*, . University of Malaysia, Kuala Lumpur, Malaysia.
- Wahab, I.R.A., Blagojević, P.D., Radulović, N.S., dan Boylan, F., 2011. Volatiles of *Curcuma mangga* Val. & Zijp (Zingiberaceae) from Malaysia. *Chemistry & Biodiversity*, **8**: 2005–2014.
- Wahyuningsih, M.S.H., Mubarika, S., Rlh, B., K, N., dan Rg, O., 2003. Sitotoksitas rimpang temu mangga (*Curcuma Mangga* Val. & V. Zijp.) dan kunir putih (*Curcuma Zedoria* i.) terhadap beberapa sel kanker manusia (in vitro) dengan metoda SRB. *Journal of the Medical Sciences (Berkala ilmu Kedokteran)*, **35**: 197–201.
- Wong, K.C., Chong, T.C., dan Chee, S.G., 1999. Essential Oil of *Curcuma mangga* Val. and van Zijp Rhizomes. *Journal of Essential Oil Research - J ESSENT OIL RES*, **11**: 349–351.
- Zeng, K., Ju, G., Wang, H., dan Huang, J., 2020. GLUT1/3/4 as novel biomarkers for the prognosis of human breast cancer. *Translational Cancer Research*, **9**: 2363–2377.