

DAFTAR PUSTAKA

- Abdjan, M. I., Rosyda, M., Aminah, N. S., Kristanti, A. N., Siswanto, I., Shehzad, W., Siddiqui, H., Wardana, A. P., Indriani, I., Saputra, M. A., & Takaya, Y. (2024). Synthesis of ester derivatives of catechin isolated from *Uncaria gambir* and their anticancer activity. *Engineered Science*, 27, 997.
- Adan, A., Kiraz, Y., & Baran, Y. (2016). Cell proliferation and cytotoxicity assays. *Current pharmaceutical biotechnology*, 17(14), 1213-1221.
- Al-Ali, L., Al-Ani, R. J., Saleh, M. M., Hammad, A. M., Abuarqoub, D. A., Abu-Irmaileh, B., ... & Alkrad, J. A. (2024). Biological evaluation of combinations of tyrosine kinase inhibitors with Inecalcitol as novel treatments for human chronic myeloid leukemia. *Saudi Pharmaceutical Journal*, 32(2), 101931.
- Almeida, Y. de S. A. P., Espinar, M. T. F. ., Aranha, E. S. P. ., Vasconcellos, M. C. de, & Nunez, C. V. (2022). Phytochemical study and bioactivity of *Eleutherine bulbosa* (MILLER) Urb. *Research, Society and Development*, 11(14), e369111436460.
- Alsukaibi, A. K. D., Alenezi, K. M., Haque, A., Ahmad, I., Saeed, M., Verma, M., Ansari, I. A., & Hsieh, M. F. (2023). Chemical, biological and *in silico* assessment of date (*P. dactylifera* L.) fruits grown in Ha'il region. *Frontiers in chemistry*, 11, 1138057.
- Alteri, M., Johnson, L., Roberts, C., & Williams, P. (2021). The potential of *Eleutherine bulbosa* in cancer therapy and metabolic disorders. *Journal of Herbal Medicine*, 10(3), 45-59.
- Alteri, R., Jemal, A., Siegel, R., & Torre, L. (2017). Colorectal cancer statistics and trends: The impact of adenocarcinoma. *Journal of Clinical Oncology*, 35(10), 1785-1791.
- Amin, S., Ruswanto, & Negoro, I. Y. (2014). Analisis minyak atsiri umbi bawang putih (*Allium sativum* Linn) menggunakan kromatografi gas spektrometer massa. *Jurnal Kesehatan Bakti Tunas Husada*, 11(1), 37-44.
- Avila, S. B. (2024). *Validation of docking methodology (Redocking)*. National University of Rosario.
- Banerjee, P., Eckert, O. A., Schrey, A. K., & Preissner, R. (2018). ProTox-II: A webserver for the prediction of toxicity of chemicals. *Nucleic Acids Research*, 46(W1), W257-W263.

- Banerjee, P., Kemmler, E., Dunkel, M., & Preissner, R. (2024). ProTox 3.0: Server web untuk prediksi toksisitas bahan kimia. *Nucleic Acids Research (Edisi server web)*.
- Barghout, S. H., Mann, M. K., Yu, Y., Schimmer, A. D., Schapira, M., Arrowsmith, C. H., & Barsyte-Lovejoy, D. (2022). *A combinatorial anticancer drug screen identifies off-target effects of epigenetic chemical probes* [Preprint]. bioRxiv.
- Basha, N. J., Akshay, K. T., Mohan, R. M., Javeed, M., & Sharma, O. M. (2025). Synthesis, *molecular docking*, drug likeness, *in silico* toxicity and DFT studies of small molecules as p53-MDM2 interaction and COX-2 dual inhibitors. *Journal of Molecular Structure*, 1322, 140393.
- Bhat, V., & Chatterjee, J. (2021). *The Use of In silico Tools for the Toxicity Prediction of Potential Inhibitors of SARS-CoV-2: ATLA Alternatives to Laboratory Animals*, 49(1–2), 22–32.
- Bhatiya, M., Pathak, S., Jothimani, G., Duttaroy, A. K., & Banerjee, A. (2023). A comprehensive study on the anti-cancer effects of quercetin and its epigenetic modifications in arresting progression of colon cancer cell proliferation. *Archivum Immunologiae et Therapiae Experimentalis*, 71(6).
- Bidooki, S. H., et al. (2024). *Squalene in Nanoparticles Improves Antiproliferative Effect on Human Colon Carcinoma Cells Through Apoptosis by Disturbances in Redox Balance*. *International Journal of Molecular Sciences*, 25(23), 13048.
- Bingham, R. A., Smith, J. T., & Larkin, D. A. (2020). Taxonomic revisions and synonymy of Eleutherine species: A comprehensive review. *Journal of Botanical Research*, 15(2), 102-118.
- Borges, E.S., Galucio, N.C.R., Veiga, A.S.S., Busman, D.V., Lins, A.L.F.A., Bahia, M.O., Rissino, J.D., Correa, R.M.S., Burbano, R.M.R., Marinho, A.M.R. (2020). *Botanical studies, antimicrobial activity and cytotoxicity of Eleutherine bulbosa (Mill.)*. *Urb. Res., Soc. Dev.* 9 (11), e3369119992
- Bovandi, S., Shahriari, M., & Zangeneh, M. M. (2020). Efficient biogenesis of Au nanoparticles using extract of *Mentha pulegium* flower: Evaluation of catalytic reduction of nitroarenes and anti-human colon cancer properties in the *in vitro* condition. *Research Square*.
- Bussa, N. F., Rahman, A., & Sari, D. (2019). The role of medicinal plants in traditional medicine for cancer and inflammation treatment. *Journal of Ethnopharmacology*, 232, 15-29.
- Cahyani, R. D., Mustopa, A. Z., Umami, R. N., Firdaus, M., Manguntungi, A. B., & Arwansyah, A. (2023). *Molecular docking Analysis for Screening of*

- Cyclooxygenase-2 Inhibitors from Secondary Metabolite Compounds of *Lactococcus lactis* subsp. *lactis* (Lac3). *Philippine Journal of Science*, 152(4).
- Chessa, M., Montalbano, M., & Farris, G. A. (2011). Quercetin: A phytochemical with anti-inflammatory and anticancer properties. *Phytotherapy Research*, 25(6), 838-846.
- Dewa, W. J., Handharyani, E., Purwaningsih, S., & Mariya, S. (2024). Aktivitas Sitotoksik Ekstrak Keong Laut Matah Merah (*Cerithidea obtusa*) terhadap Sel Kanker Kolon WiDr Cytotoxic Activity Red Eye Snail (*Cerithide obtusa*) Extract on Colon Cancer Cell WiDr. *Jurnal Sain Veteriner*, 42(1).
- Dey, S., Ghosh, T., & Mukherjee, A. (2020). *Molecular docking* and structure-based drug design: Techniques and applications using Molecular Operating Environment (MOE). *Current Drug Metabolism*, 21(2), 123-134.
- Dumitraş, D.-A., Bunea, A., Vodnar, D. C., Hanganu, D., Pall, E., Cenariu, M., Gal, A. F., & Andrei, S. (2022). Phytochemical characterization of *Taxus baccata* L. aril with emphasis on evaluation of the antiproliferative and pro-apoptotic activity of rhodoxanthin. *Antioxidants*, 11(6), 1039.
- Dwivedi, P., Malik, A., Hussain, H. Z. F., Jatrana, I., Imtiyaz, K., Rizvi, M. A., ... & Rafatullah, M. (2024). Eco-Friendly CuO/Fe₃O₄ Nanocomposite synthesis, characterization, and cytotoxicity study. *Heliyon*, 10(6).
- Essa, A. F., Teleb, M., El-Kersh, D. M., El Gendy, A. E. N. G., Elshamy, A. I., & Farag, M. A. (2023). Natural acylated flavonoids: their chemistry and biological merits in context to *molecular docking* studies. In *Phytochemistry Reviews* (Vol. 22, Issue 6). Springer Netherlands.
- Fadholly, I. (2023). The role of *Annona squamosa* L. in cancer treatment: A review of bioactive compounds and their effects on cancer cells. *International Journal of Herbal Medicine*, 11(1), 55-62.
- Fang, F., Guo, H., Zhang, J., Ban, L., Liu, J., & Yu, P. (2015). Anti-cancer effects of 2-oxoquinoline derivatives on the HCT116 and LoVo human colon cancer cell lines. *Molecular Medicine Reports*, 12, 8062-8070.
- Fares, F., Azzam, N., Fares, B., Larsen, S., & Lindkaer-Jensen, S. (2014). Benzene-poly-carboxylic acid complex, a novel anti-cancer agent induces apoptosis in human breast cancer cells. *Plos one*, 9(2), e85156.
- Filimonov, D. A., Lagunin, A. A., Gloriovova, T. A., Rudik, A. V., Druzhilovskii, D., & S., Pogodin, P. V., & Poroikov, V. V. (2014). Prediction of the biological activity spectra of organic compounds using the *PASS Online* web resource, *Chemistry of Heterocyclic Compounds*, 50(3), 444-457.

- Fitri, Y., & Rosidah, E. S. (2014). Effects of inhibition cell cycle and apoptosis of sabrang onion extract (*Eleutherine bulbosa* (Mill.) Urb.) on breast cancer cells. *International Journal of PharmTech Research*, 6(4), 1392-1396.
- Fitriah, Aida. (2017). Analisis Interaksi Senyawa Flavonoid Sukun (*Artocarpus altilis*) Terhadap Reseptor Estrogen Alfa Secara *In silico* Sebagai Model Kandidat Antikanker Payudara. *Skripsi*. Jurusan Biologi. Fakultas Sains dan Teknologi. Universitas Islam Negeri Maulana Malik Ibrahim. Malang.
- Fitriyah, I., Tjahjandarie, T. S., Saputri, R. D., & Tanjung, M. (2021). Aktivitas antikanker senyawa turunan kumarin dari *Melicope latifolia*. *Jurnal Sains dan Terapan Kimia*, 15(1), 1-7.
- Gotra, I. M., & Moestikaningsih. (2014). Perbedaan Ekspresi Cox-2 pada Beberapa Parameter Kliniko-patologi Adenokarsinoma Kolorektal. *Majalah Patologi Indonesia*, 21(2), 17-24.
- Hamzah, N., Haeria, H., & Mus, N. M. (2015). QSAR Dan *Molecular docking* Senyawa Derivat Lumiracoxib, Inhibitor Oksigenasi 2-AG Pada Terapi Inflamasi. *Jurnal Farmasi UIN Alauddin Makassar*, 3(2), 42-47.
- Hanahan, D., & Weinberg, R. A. (2011). Hallmarks of cancer: The next generation. *Cell*, 144(5), 646-674.
- Hardjono, A., Da'i, M., & Sutrisna, Y. (2021). *Pengobatan Kanker menggunakan Senyawa Kimia*.
- Hosseini, A., & Ghorbani, M. (2015). Side effects of chemotherapy: A review of drug-induced toxicities and management strategies. *Asian Pacific Journal of Cancer Prevention*, 16(14), 6201-6207.
- Huang, C. C., Wu, M. Y., & Liu, Y. Y. (2022). The role of COX-2 in tumorigenesis: Insights from the HCT 116 model. *Cancer Letters*, 531, 35-46.
- Ikram, M., Shah, I., Hussain, H., Mughal, E. U., Naeem, N., Sadiq, A., Nazir, Y., Shah, S. W. A., Zahoor, M., Ullah, R., Ali, E. A., & Umar, M. N. (2024). Synthesis, molecular docking evaluation for LOX and COX-2 inhibition and determination of in-vivo analgesic potentials of aurone derivatives. *Heliyon*, 10(9), e26753.
- Islam, M. R., Akash, S., Rahman, M. M., Nowrin, F. T., Akter, T., Shohag, S., Rauf, A., Aljohani, A. S. M., & Simal-Gandara, J. (2022). Colon cancer and colorectal cancer: Prevention and treatment by potential natural products. *Chemico-Biological Interactions*, 368, 110170.

- Ismail, F. S., Ahmad, F., & Rahman, M. H. (2020). Cytotoxic effects of flavonoids on MDA-MB-231 breast cancer cells: An *in vitro* study using MTT assays. *Journal of Ethnopharmacology*, 250, 112500.
- Jack, K. S., Asaruddin, M. R. B., & Bhawani, S. A. (2022). Pharmacophore study, *molecular docking* and molecular dynamic simulation of virgin coconut oil derivatives as anti-inflammatory agent against COX-2. *Chemical and biological technologies in agriculture*, 9(1), 73.
- Jang, M., Kim, S., & Lee, S. (2021). Anti-inflammatory effects of dietary polyphenols on COX-2 expression in HCT 116 cells. *Molecules*, 26(15), 4521.
- Jiang, H., Tang, E., Chen, Y., Liu, H., Zhao, Y., Lin, M., & He, L. (2022). Squalene synthase predicts poor prognosis in stage I-III colon adenocarcinoma and synergizes squalene epoxidase to promote tumor progression. *Cancer Science*, 113(3), 971-985.
- Jose, S. P., Sukumaran, S., Mohanan, R., Saji, S., Asish, A., & George, S. M. (2023). Anti-inflammatory Effect of Squalene Isolated from *Simarouba glauca* in Experimental Animal Model. *Pharmacognosy Research*, 15(4).
- Karim, A. K., & Sismindari. (2011). Aktivitas antiproliferatif ekstrak metanol daun *Pereskia grandifolia* Haw terhadap berbagai sel kanker. *Mutiara Medika*, 11(3), 195–200.
- Koley, M., Han, J., Soloshonok, V. A., Mojumder, S., Javahershenas, R., & Makarem, A. (2024). Latest developments in coumarin-based anticancer agents: mechanism of action and structure–activity relationship studies. *RSC medicinal Chemistry*, 15(1), 10-54.
- Kristiani, E., Kasmiyati, S., & Herawati, M. (2021). The cytotoxic and apoptotic effects of wild and polyploidy genotype of *Artemisia cina* extracts on the WiDr colon and HTB-183 lung cancer cell lines. *Biodiversitas Journal of Biological Diversity*, 22(7).
- Kuntorini, E. M., *et al.* (2016). Ethnobotany and Traditional Use of *Eleutherine bulbosa* by Dayak People. *Indonesian Journal of Natural Products*, 5(2), 133-142.
- Kusmardi, F., Putri, D. D., Lestari, B., & Yuniarti, N. (2020). Anticancer potential of Indonesian medicinal plants targeting colorectal cancer: A review. *Journal of Applied Pharmaceutical Science*, 10(7), 125-134.
- Kusumawati, R. D., Yuniastuti, A., Susanti, R., & Nugrahaningsih, W. H. (2021). Studi *in silico* potensi senyawa bioaktif pada kapulaga jawa (*Amomum compactum*) sebagai antiinflamasi. *Prosiding Seminar Nasional Biologi ke-9, FMIPA Universitas Negeri Semarang*, 304-309.

- Li, J., Zhang, L., & Xu, X. (2020). Characterization of the HCT 116 cell line as a model for colon cancer research. *Oncology Letters*, 20(4), 3397-3406.
- Liang, S., Sun, K., Wang, Y., Dong, S., Wang, C., Liu, L., & Wu, Y. (2016). Role of Cyt-C/caspases-9, 3, Bax/Bcl-2 and the FAS death receptor pathway in apoptosis induced by zinc oxide nanoparticles in human aortic endothelial cells and the protective effect by alpha-lipoic acid. *Chemico-biological interactions*, 258, 40-51.
- Lienggonegoro, E. B., Rahardjo, R., & Setyawan, A. 2020. Potential of *Annona muricata* L. leaves as a source of antioxidants and anticancer agents. *Journal of Medicinal Plants Research*, 14(5), 91-98.
- Lipinski, C. A. (2004). Lead-and drug-like compounds: the rule-of-five revolution. *Drug discovery today: Technologies*, 1(4), 337-341.
- Liu, Y., Sun, H., Hu, M., Zhang, Y., Chen, S., Tighe, S., & Zhu, Y. (2017). The role of cyclooxygenase-2 in colorectal carcinogenesis. *Clinical colorectal cancer*, 16(3), 165-172.
- Liu, Z. H., Wang, D. M., Fan, S. F., Li, D. W., & Luo, Z. W. (2016). Synergistic effects and related bioactive mechanism of *Potentilla fruticosa* L. leaves combined with *Ginkgo biloba* extracts studied with microbial test system (MTS). *BMC Complementary and Alternative Medicine*, 16, 495.
- Lu, X., Yu, H., Ma, Q., Shen, S., & Das, U. N. (2010). Linoleic acid suppresses colorectal cancer cell growth by inducing oxidant stress and mitochondrial dysfunction. *Lipids in health and disease*, 9, 1-11.
- Lubis, I. A., Ichwan, M. F., Mustofa, M., & Satria, D. (2017). Anticancer activity of *Eleutherine bulbosa* (Mill.) Urb. extract on WiDr cell line *in vitro*. In *2nd Public Health International Conference (PHICo 2017)* (pp. 123-127). Atlantis Press.
- Luo, X., He, W., Yin, H., Li, Q., Liu, Q., Huang, Y., & Zhang, S. (2012). Two new coumarins from *Micromelum falcatum* with cytotoxicity and brine shrimp larvae toxicity. *Molecules*, 17(6), 6944-6952.
- Mao, Y., Chen, Q., & Zhang, W. (2021). Evaluation of cytotoxicity of natural products using *MTT* assays and its application in drug discovery. *Frontiers in Pharmacology*, 12, 1234.
- Mert-Ozupek, N., Calibasi-Kocal, G., Olgun, N., Basbinar, Y., Cavas, L., & Ellidokuz, H. (2022). An efficient and quick analytical method for the quantification of an algal alkaloid caulerpin showed in-vitro anticancer activity against colorectal cancer. *Marine Drugs*, 20(12), 757.

- Millan, M., Merino, S., Caro, A., Feliu, F., Escuder, J., & Francesch, T. (2015). Treatment of colorectal cancer in the elderly. *World journal of gastrointestinal oncology*, 7(10), 204.
- Montecillo-Aguado, M., Tirado-Rodriguez, B., & Huerta-Yepe, S. (2023). The involvement of polyunsaturated fatty acids in apoptosis mechanisms and their implications in cancer. *International Journal of Molecular Sciences*, 24(14), 11691.
- Mostafa, T.M., Alm El-Din, M.A., & Rashdan, A.R. (2022). Celecoxib as an adjuvant to chemotherapy for patients with metastatic colorectal cancer. *Saudi Medical Journal*, 43(1), 37–44.
- Mountanea, O. G., Batsika, C. S., Mantzourani, C., Kokotos, C. G., & Kokotos, G. (2025). Construction of a Library of Fatty Acid Esters of Hydroxy Fatty Acids. *Molecules*, 30(2), 286.
- Murru, E., Carta, G., Manca, C., Sogos, V., Pistis, M., Melis, M., & Banni, S. (2021). Conjugated linoleic acid and brain metabolism: a possible anti-neuroinflammatory role mediated by PPAR α activation. *Frontiers in Pharmacology*, 11, 587140.
- Mutiah, R., & Rachmawati, E. (2024). Exploring the anticancer potential of *Eleutherine bulbosa*: A systematic network pharmacology study on lung cancer. *Journal of Advanced Pharmaceutical Technology & Research*, 15(1), 49–55.
- NCCN Guidelines. (2015). "Kanker Kolorektal." National Comprehensive Cancer Network.
- Nelson, V. K., Sahoo, N. K., Sahu, M., Sudhan, H. H., Pullaiah, C. P., & Muralikrishna, K. S. (2020). *In vitro* anticancer activity of *Eclipta alba* whole plant extract on colon cancer cell HCT-116. *BMC Complementary Medicine and Therapies*, 20, 355.
- Nufika, R., & Widyarini, S. (2015). Korelasi Ekspresi Cyclooxygenase-2 dengan Variasi Dosis 1,2-Dimethylhidrazine pada Model Kanker Kolorektal. *ETD UGM*.
- Othman, R., Ibrahim, M. Y., & Ahmad, Z. (2022). Cytotoxic activity and mechanism of action of novel compounds against cancer cells: *MTT assays* and apoptosis study. *Asian Pacific Journal of Cancer Prevention*, 23(1), 245-252.
- Owoloye, A. J., Ligali, F. C., Enejoh, O. A., Musa, A. Z., Aina, O., Idowu, E. T., & Oyebola, K. M. (2022). *Molecular docking*, simulation and binding free energy analysis of small molecules as PfHT1 inhibitors. *PLOS ONE*, 17(8), e0268269.

- Pakkirisamy, M., Kalakandan, S. K., & Ravichandran, K. (2017). Phytochemical screening, GC-MS, FT-IR analysis of methanolic extract of *Curcuma caesia* Roxb (Black Turmeric). *Pharmacognosy Journal*, 9(6).
- Park, H. J., Kim, H. J., & Lee, H. S. (2021). Efficacy of COX-2 inhibitors in the treatment of colorectal cancer: Evidence from HCT 116 studies. *BMC Cancer*, 21(1), 505.
- Pasanda, O. S. R., Syahrir, M., Indriati, S., Fauzi, A., & Adelia, C. (2021). Ekstraksi antioksidan bawang dayak (*Eleutherine palmifolia*) dengan metode ultrasonic bath. *5th Prosiding Nasional Penelitian & Pengabdian kepada Masyarakat*, 121–126.
- Pasaribu, G., Hudiyono, S., Budianto, E., Cahyana, A. H., & Pari, G. (2021). In-vitro anticancer activity of *Saurauia vulcani* leaf extracts against human colon WiDr and HCT-116 cancer cells. *RASAYAN Journal of Chemistry, Special Issue*, 165–174.
- Pezzani, R., Salehi, B., Vitalini, S., Iriti, M., Zuñiga, F. A., Sharifi-Rad, J., Martorell, M., & Martins, N. (2019). Synergistic Effects of Plant Derivatives and Conventional Chemotherapeutic Agents: An Update on the Cancer Perspective. *Medicina (Kaunas, Lithuania)*, 55(4), 110.
- Prashanantyo, A. (2014). Environmental factors and lifestyle in colorectal cancer development: A review. *Indonesian Journal of Cancer*, 8(2), 101-108.
- Prayogi, R., Dewi, N. P., & Wijaya, F. (2022). Application of Molecular Operating Environment (MOE) in drug discovery: A comprehensive review of molecular docking techniques. *Journal of Computational Chemistry*, 43(14), 1362-1375.
- Purwaningsih, E. (2014). Pemendekan telomer dan apoptosis. *Jurnal Kedokteran YARSI*, 22(2), 132-141.
- Putera, H. D., Doewes, R. I., Shalaby, M. N., Ramirez-Coronel, A. A., Clayton, Z. S., Abdelbasset, W. K., ... & Pahlavani, N. (2023). The effect of conjugated linoleic acids on inflammation, oxidative stress, body composition and physical performance: a comprehensive review of putative molecular mechanisms. *Nutrition & Metabolism*, 20(1), 35.
- Putri, E. N. A. (2018). Uji sitotoksik kombinasi ekstrak etanol umbi bawang dayak (*Eleutherine americana* Merr.) dan biji sirsak (*Annona muricata*) dengan metotreksat terhadap sel T47D (Skripsi, Program Studi Farmasi, Fakultas Farmasi, Universitas Muhammadiyah Surakarta). Universitas Muhammadiyah Surakarta.
- Rahamouz-Haghighi, S., Bagheri, Kh., Mohsen-Pour, N., & Sharafi, A. (2022). *In vitro evaluation of cytotoxicity and antibacterial activities of Ribwort Plantain*

- (*Plantago lanceolata* L.) root fractions and phytochemical analysis by gas chromatography-mass spectrometry. *Archives of Razi Institute*, 77(6), 2131–2143.
- Rifki, A., & Harena, F. (2021). Cytotoxic activity of n-hexane fraction from *Anredera cordifolia* on WiDR cell line. *Indonesian Journal of Pharmaceutical Sciences*, 19(2), 123-130.
- Roelofs, H. M., Te Morsche, R. H., van Heumen, B. W., Nagengast, F. M., & Peters, W. H. (2014). Over-expression of COX-2 mRNA in colorectal cancer. *BMC gastroenterology*, 14, 1-6.
- Sajjadi, S. E., Ghanadian, M., Haghighi, M., & Mouhebat, L. (2015). Cytotoxic effect of *Cousinia verbascifolia* Bunge against OVCAR-3 and HT-29 cancer cells. *Journal of HerbMed pharmacology*, 4(1), 15-19.
- Salsabila, I. A., Nugraheni, N., Ahlina, F. N., Haryanti, S., & Meiyanto, E. (2021). Synergistic Cotreatment Potential of Soursop (*Annona muricata* L.) Leaves Extract with Doxorubicin on 4T1 Cells with Antisenescence and Anti-reactive-oxygen-species Properties. *Iranian journal of pharmaceutical research : IJPR*, 20(2), 57–67.
- Sari, M. I., Wahid, I., & Suchitra, A. (2019). Kemoterapi adjuvan pada kanker kolorektal. *Jurnal Kesehatan Andalas*, 8(1S), 51-57.
- Setiani, R., Nasution, E. A., & Santoso, S. (2014). Genetic predisposition to colorectal cancer: The role of familial adenomatous polyposis and hereditary nonpolyposis colorectal cancer. *Journal of Cancer Research and Clinical Oncology*, 140(8), 1401-1410.
- Shah, S. R., Bhatti, I. A., & Ali, Z. (2023). Gas chromatography-mass spectrometry in pharmaceutical analysis: Current trends and future prospects. *Journal of Pharmaceutical Analysis*, 13(2), 204-218.
- Sharma, S., Rajput, R., & Gupta, P. (2021). Role of COX-2 in cancer progression and its implications in colorectal cancer. *Current Cancer Drug Targets*, 21(8), 629-640.
- Sharon, P., Kumar, M., & Singh, V. (2013). Role of phytochemicals in the management of oxidative stress and chronic diseases. *Journal of Medicinal Plants Research*, 7(31), 2333-2340.
- Siegel, R. L., Miller, K. D., Fuchs, H. E., & Jemal, A. (2022). Cancer statistics, 2022. *CA: A Cancer Journal for Clinicians*, 72(1), 7-33.
- Sirhi, A., Huda, M., & Putri, A. (2017). Morphological characteristics and traditional uses of *Eleutherine bulbosa* (Mill.) Urb. *Journal of Ethnobotany and Ethnomedicine*, 13(1), 45-52.

- Snoussi, M., Lajimi, R. H., Badraoui, R., Al-Reshidi, M., Abdulhakeem, M. A., Patel, M., Siddiqui, A. J., Adnan, M., Hosni, K., De Feo, V., Polito, F., Kadri, A., & Noumi, E. (2023). Chemical composition of *Ducrosia flabellifolia* L. methanolic extract and volatile oil: ADME properties, *in vitro* and *in silico* screening of antimicrobial, antioxidant and anticancer activities. *Metabolites*, 13(1), 64.
- Stevenson, A. J., Ager, E. I., Proctor, M. A., Škalamera, D., Heaton, A., Brown, D., & Gabrielli, B. G. (2018). Mechanism of action of the third generation benzopyrans and evaluation of their broad anti-cancer activity *in vitro* and *in vivo*. *Scientific reports*, 8(1), 5144.
- Sumarni, T., Nugroho, A., & Widodo, S. (2021). Adverse effects of chemotherapy on healthy cells: A review of cellular damage and recovery mechanisms. *Journal of Cancer Research and Therapeutics*, 17(4), 102-115.
- Suraduhita, A. (2017). Vinca alkaloids from *Catharanthus roseus* L. as potential anticancer agents: A comprehensive review. *Journal of Pharmaceutical Sciences and Research*, 9(12), 2341-2345.
- Surien, O., Masre, S. F., Basri, D. F., & Ghazali, A. R. (2023). Anti-inflammatory and anti-cancer potential of pterostilbene: A review. *Asian Pacific Journal of Tropical Biomedicine*, 13(12), 497-506.
- Susilawati, L., & Purnomo, E. S. (2016). Viabilitas sel bakteri dengan cryoprotectant agents berbeda (sebagai acuan dalam preservasi culture collection di laboratorium mikrobiologi). *Biogenesis: Jurnal Ilmiah Biologi*, 4(1), 34-40.
- Syahputra, G., Ambarsari, L., & Sumaryada, T. (2014). Simulasi docking kurkumin enol, bisdemetokskurkumin dan analognya sebagai inhibitor enzim 12-lipoksigenase. *Jurnal Biofisika*, 10(1), 55-67.
- Tian, J., Jin, L., Liu, H., & Hua, Z. (2023). Stilbenes: a promising small molecule modulator for epigenetic regulation in human diseases. *Frontiers in pharmacology*, 14, 1326682.
- Wang, D., Xia, D., & Dubois, R. N. (2011). The Crosstalk of PTGS2 and EGF Signaling Pathways in Colorectal Cancer. *Cancers*, 3, 3894-3908.
- Wati, H., Muthia, R., Kartini, & Setiawan, F. (2021). Acute toxicity study of the ethanolic extract of *Eleutherine bulbosa* Urb in Wistar rats. *Pharmacy Education*, 21(2), 143-147.
- Wu, Q. B., & Sun, G. P. (2015). Expression of COX-2 and HER-2 in colorectal cancer and their correlation. *World Journal of Gastroenterology: WJG*, 21(20), 6206.

- Wu, X. W., Wei, W., Yang, X. W., Zhang, Y. B., Xu, W., Yang, Y. F., Zhong, G. Y., Liu, H. N., & Yang, S. L. (2017). Anti-Inflammatory Phenolic Acid Esters from the Roots and Rhizomes of *Notopterygium incisum* and Their Permeability in the Human Caco-2 Monolayer Cell Model. *Molecules (Basel, Switzerland)*, 22(6), 935.
- Wu, Y., Xu, J., Liu, Y., Zeng, Y., & Wu, G. (2020). A review on anti-tumor mechanisms of coumarins. *Frontiers in Oncology*, 10, 592853.
- Wulan, R., Setiawan, H., & Pratama, A. (2024). Chemotherapy in cancer treatment: Mechanisms, challenges, and future perspectives. *Journal of Oncology Therapeutics*, 18(1), 67-79.
- Xiao, H., Gui, Y., Li, X., Dai, W., Feng, C., Li, G., & Luo, J. (2024). Explore on screening COX-2 inhibitors from the essential oil of *Solanum lyratum* Thunb. By *molecular docking* and molecular dynamics simulation. *Heliyon*, 10(18).
- Yang, H., Sun, L., Li, W., Liu, G., & Tang, Y. (2018). *In silico* prediction of chemical toxicity for drug design using machine learning methods and structural alerts. *Frontiers in Chemistry*, 6, 1–12.
- Yuniarti, A., Sundhani, E., & Nurulita, N. A. (2018). The potentiation effect of Bawang Dayak (*Sisyrinchium palmifolium* L.) extract on T47D cell growth inhibition after 5-fluorouracil treatment. *Pharmaciana*, 8(2), 195-204.
- Zafrizal, M., Nurhayati, T., & Abdullah, R. (2018). Anticancer properties of herbal plants: Extracts and isolated active compounds. *Asian Pacific Journal of Cancer Biology*, 3(4), 73-81.
- Zakaria, N. H., Saad, N., Che Abdullah, C. A., & Mohd. Esa, N. (2023). The antiproliferative effect of chloroform fraction of *Eleutherine bulbosa* (Mill.) Urb. on 2D- and 3D-human lung cancer cells (A549) model. *Pharmaceuticals*, 16(7), 936.
- Zhang, P., Liu, N., Xue, M., Zhang, M., Xiao, Z., Xu, C., Fan, Y., Liu, W., Qiu, J., Zhang, Q., & Zhou, Y. (2023). Anti-inflammatory and antioxidant properties of squalene in copper sulfate-induced inflammation in zebrafish (*Danio rerio*). *International Journal of Molecular Sciences*, 24(10), 8518.
- Zhang, Y., Liu, Y., & Wang, J. (2018). Naphthoquinones: Natural compounds with anticancer activity and their mechanisms of action. *Journal of Natural Products*, 81(3), 589-605.
- Zhang, Y., Xue, H., & Zhao, Y. (2021). Applications of gas chromatography-mass spectrometry in pesticide residue analysis: A review. *Pesticide Biochemistry and Physiology*, 179, 104956.

Zhao, L., Wang, L., & Li, Y. (2021). COX-2: A potential target for treating colorectal cancer. *Expert Opinion on Therapeutic Targets*, 25(8), 637-648.

Zhao, Z. X., Zou, Q. Y., Ma, Y. H., Morris-Natschke, S. L., Li, X. Y., Shi, L. C., ... & Wu, H. F. (2024). Recent progress on triterpenoid derivatives and their anticancer potential. *Phytochemistry*, 114257.

Zhou, H., Yu, Y., & Li, Z. (2020). Advances in *MTT assays* applications in drug discovery and development. *Medicinal Chemistry*, 16(3), 277-283.

Zhou, X., Wang, X., Zhao, Y., & Yi, C. (2018). The role of celecoxib for colorectal cancer treatment: a systematic review. *Translational Cancer Research*, 7(6).

