

DAFTAR PUSTAKA

- Agustin, T., 2020, Potensi Metabolit Aktif Dalam Sayuran Cruciferous Untuk Menghambat Pertumbuhan Sel Kanker, *Jurnal Penelitian Perawat Profesional*, 2(4), 459-463.
- Amir, H., dan Murcitra, B.G., 2017, Uji Microtetrazolium (MTT) Ekstrak Metanol Daun *Phaleria macrocarpa* (Scheff.) Boerl Terhadap Sel Kanker Payudara MCF, *Alotrop*, 1(1), 27-32.
- Bhat, A.A., Kaur, G., Tandon, N., Tandon, R., and Singh, I., 2024, Current Advancements in Synthesis, Anticancer Activity, and Structure-Activity Relationship (SAR) of Coumarin Derivatives, *Inorg. Chem. Commun.*, 167(2024)112605, 1-25.
- Brahmana, E.M., dan Lestari, R., 2018, Sintesis dan Uji Antioksidan Senyawa (E)-1-(2-Klorofenil)-3-P-Tolilprop-2-En-1-On, *MENARA Ilmu*, 12(10), 65-70.
- Brown, G.D., Bauer, J., Osborn, H.M.I., and Kuemmerle, R., 2018, A Solution NMR Approach to Determine the Chemical Structures of Carbohydrates Using the Hydroxyl Groups as Starting Points, *ACS Omega*, 3(12), 17957-17975.
- Bustos, L., Chau, C.E., Alvarez, A.C., Bradshaw, B., Simirgiotis, M.J., Mellado, M., Parra, C., and Cuellar, M., 2022, Cytotoxic Effects on Breast Cancer Cell Lines of Chalcones Derived from a Natural Precursor and Their Molecular Docking Analysis, *Molecules*, 27(14), 1-10.
- Djuwarno, E.N., Marhaba, Z., Abdullah, R., Baharuddin, R., Usuli, T.C., Ismail, N.H., dan Tonde, N.A., 2023, Gambaran Pengobatan Pasca Kemoterapi Pasien Kanker Payudara pada Rumah Sakit di Provinsi Gorontalo, *JMPI*, 9(2), 374-382.
- Dwirosalia, D., Yustisia, I., Arsyad, A., Natsir, R., Cangara, M.H., dan Patellongi, I., 2021, Studi *in silico* Potensi Anti Kanker Senyawa Turunan Kumarin Terhadap Protein BCL-2, *Maj. Farm. Farmakol.*, 25(2), 84-87.
- Ghasemi, M., Turnbull, T., Sebastian, S., and Kempson, I., 2021, The MTT Assay: Utility, Limitations, Pitfalls, and Interpretation in Bulk and Single-Cell Analysis, *Int. J. Mol. Sci.*, 22(23), 1-30.
- Ibraheem, H.H., Mohammed, M.M., and Al-Majedy, Y.K., 2021, Synthesis and Quantum Chemical Study of Novel Pyridine Derivative Derived from N-Substituted Coumarin, *J. Phys.*, 1795(2021) 012024, 1-9.

- Ikhtiarudin, I., Zamri, A., dan Teruna, Y.H., 2014, Sintesis dan Uji Toksisitas Senyawa Analog Kalkon Turunan 2'-Hidroksiasetofenon dan Halobenzaldehid, *Jurnal Photon*, 5(1), 57-63.
- Khaligh, N.G., 2013, Ultrasound-Assisted One-Pot Synthesis of Substituted Coumarins Catalyzed by Poly(4-Vinylpyridinium) Hydrogen Sulfate as an Efficient and Reusable Solid Acid Catalyst, *Ultrason. Sonochem.*, 20, 1062-1068.
- Kciuk, M., Gielecińska, A., Mujwar, S., Kołat, D., Kołat, Ż.K., Celik, I., and Kontek, R., 2023, Doksorubisin—An Agent with Multiple Mechanisms of Anticancer Activity, *Cell*, 12(659), 1-30.
- Liu, C.L., Chen, M.J., Lin, J.C., Lin, C.H., Huang, W.C., Cheng, S.P., Chen, S.N., and Chang, Y.C., 2019, Doxorubicin Promotes Migration and Invasion of Breast Cancer Cells Through the Upregulation of the RHOA/MLC Pathway, *J. Breast Cancer*, 22(2), 185–195.
- Mahardika, R.S., Putri, F.R., Azzahra, L., Maliza, R., Ilham, K., and Hamdani, A., 2024, Effectiveness of Bioactive Compounds Against T47D Breast Ductal Carcinoma Cell Line: A Systematic Review, *J. biol. tropis*, 24(4), 1–23.
- Mani, S., and Swargiary, G., 2023, *In Vitro Cytotoxicity Analysis: MTT/XTT, Trypan Blue Exclusion in Animal Cell Culture: Principles and Practice*, Springer International Publishing, Cham.
- Mao, W.W., Wang, T.T., Zeng, H.P., Wang, Z.Y., Chen, J.P., and Shen, J.G., 2009, Synthesis and Evaluation of Novel Substituted 5-Hydroxycoumarin and Pyranocoumarin Derivatives Exhibiting Significant Antiproliferative Activity Against Breast Cancer Cell Lines, *Bioorg. Med. Chem. Lett.*, 19(16), 4570–4573.
- Mulugeta, D., 2022, A Review of Synthesis Methods of Chalcones, Flavonoids, and Coumarins, *Sci. J. Chem.*, 10(2), 41.
- Mustikasari, K., and Santoso, T.U., 2020, The Benefits of Chalcone and Its Derivatives as Antibacterial Agents: A Review, *BIO Web Conf.*, 20(03007), 1-4.
- Prabawati, Y.S., 2018, Sintesis Senyawa 3-asetil-7-(hidroksi) kumarin dan Aktivitasnya Terhadap Bakteri *Staphylococcus aureus* dan *Shigella flexneri*, *Indones. J. Mater. Chem.*, 1(1), 9-13.
- Rehana, R., Fahreza, M.S., dan Wulandari, M.S., 2019, Sintesis 3,4,4'-Trimetoksikalkon dan Karakterisasinya, *ALCHEMY*, 15(2), 228.

- Satria, A., dan Ratnawati, E.D., 2019, Klasifikasi Jenis Kanker Berdasarkan Struktur Protein Menggunakan Metode *Neighbor Weighted K-Nearest Neighbor* (NWKNN), *JPTIIK*, 3(4), 3617–3624.
- Suma, A.A.T., Wahyuningsih, T.D., dan Mustofa, 2019, Efficient Synthesis of Chloro Chalcones Under Ultrasound Irradiation, Their Anticancer Activities and Molecular Docking Studies, *RASĀYAN J. Chem.*, 12(2), 502-510.
- Sung, H., Ferlay, J., Siegel, R.L., Laversanne, M., Soerjomataram, I., Jemal, A., and Bray, F., 2021, Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries, *CA: Cancer J. Clin.*, 71(3), 209–249.
- Tchoupou, T.I., Manyeruke, M.H., Salami, S.A., Ezekiel, C.I., Ambassa, P., Tembu, J.V., Krause, R.W.M., Ngameni, B., and Noundou, S.X., 2025, An Overview of The Synthesis of Coumarins Via Knoevenagel Condensation and Their Biological Properties, *CA: Cancer J. Clin.*, 15(2025)102181, 1-25.
- Tsivileva, O.M., Koftin, O.V., and Evseeva, N.V., 2022, Coumarins as Fungal Metabolites with Potential Medicinal Properties, *Antibiotics*, 11(1156), 1-31.
- Wahyuningsih, T.D., Suma, A.A.T., and Astuti, E., Synthesis, Anticancer Activity, and Docking Study of N-Acetyl Pyrazolines from Veratraldehyde, *J. Appl. Pharm. Sci.*, 9(1), 14-20.
- Widiandani, T., Tandian, T., Zufar, B.D., Suryadi, A., Purwanto, B.T., Hardjono, S., and Siswandono, 2023, *In Vitro* Study of Pinostrobin Propionate and Pinostrobin Butyrate: Cytotoxic Activity Against Breast Cancer Cell T47D and Its Selectivity Index, *J. Public Health Afr.*, 14(1), 1-6.
- Yadav, A.K., Singh, N., Silwal, M., Adhikari, A., and Yadav, P.N., 2024, Synthesis, Characterization, Anticancer Activity, Molecular Docking and DFT Calculation of 3-Acetylcoumarin Thiosemicarbazones and Schiff's Bases, *Results Chem.*, 11(2024)101794, 1-14.
- Yanti, E., Irman, V., Dewi, I.S.R., dan Saintika, S.S., 2021, Peningkatan Kesiapan Pasien Kanker Menjalani Kemoterapi, *JAS*, 3(1), 85-89.