

DAFTAR PUSTAKA

- Abidin, Z., 2018, Peran Jalur *Phosphatidyl-Inositol-3-Kinase* (PI3K) Dalam Resistensi Kemoterapi Pada Kanker, *Qanun Medika*, 2(1), pp. 80 – 90.
- Adebayo, A.H., Tan, N.H., Akindahunsi, A.A., Zeng, G.Z., dan Zhang, Y.M., 2010, Anticancer and antiradical scavenging activity of *Ageratum conyzoides* L. (Asteraceae), *Pharmacognosy Magazine*, 6(21), pp. 62 – 66.
- Afifi, F.U., Abu, D.R., Kasabri, V., dan Abaza, I.M., 2015, GC-MS composition and antiproliferative activity of *Inula graveolens* (L.) Desf. essential oil, *Arabian Journal of Medicinal & Aromatic Plants*, 1(1), pp. 57 – 66.
- Aggarwal, V., Kashyap, D., Sak, K., Tuli, H.S., Jain, A., Chaudhary, A., Garg, V.K., Sethi, G., dan Yerer, M.B., 2019, Molecular Mechanisms of Action of Tocotrienols in Cancer: Recent Trends and Advancements, *Int. J. Mol. Sci.*, 20(656), pp. 1 – 18.
- Alberts, B., Bray, D., Lewis, J., Raff, M., Roberts, K., dan Watson, J.D., 1994, *Molecular Biology Of The Cell*, 3Rd Ed, Garland Publishing, New York.
- Babae, N., Moslemi, D., Khalilpour, M., Vejdani, F., Moghadamnia, Y., Bijani, A., Baradaran, M., Kazemi, M.T., Khalilpour, A., Pouramir, M., dan Moghadamnia, A.A., 2013, Antioxidant capacity of *Calendula officinalis* flowers extract and prevention of radiation induced oropharyngeal mucositis in patients with head and neck cancers: a randomized controlled clinical study, *DARU Journal of Pharmaceutical Sciences*, 21(18), pp. 1 – 7.
- Babaeia, G., Aliarabb, A., Abroona, S., Rasmia, Y., dan Aziza, S.G.G., 2018, Application of sesquiterpene lactone: A new promising way for cancer therapy based on anticancer activity, *Biomedicine & Pharmacotherapy*, 106, pp. 239 – 246.
- Badan Penelitian Dan Pengembangan, 2013, *Riset Kesehatan Dasar*, Badan Penelitian Dan Pengembangan Kesehatan Kementrian Kesehatan RI, Jakarta.

- Beyzadeoglu, M., Ozygit, G., dan Ebruli, C., 2010, *Basic radiation oncology*, Springer Verlag Berlin Heidelberg.
- Bhat, M.Y., Gul, M.Z., Lohamror, L.R., Qureshi, I.A., dan Ghazi, I., 2018, An in vitro Study of the Antioxidant and Antiproliferative Properties of *Artemisia absinthium*- A Potent Medicinal Plant, *Free Radicals and Antioxidants*, 8(1), pp. 18 – 25.
- Bitew, H., dan Hymete, A., 2019, The Genus *Echinops*: Phytochemistry and Biological Activities: A Review, *Frontiers in Pharmacology*, 10(1234), pp. 1 – 29.
- Chang, C.C., Hsu, H.F., Huang, K.H., Wu, J.M., Kuo, S.M., Ling, X.H., dan Houng, J.Y., 2014, Anti-Proliferative Effects of *Siegesbeckia orientalis* Ethanol Extract on Human Endometrial RL-95 Cancer Cells, *Molecules*, 19, pp. 19980 – 19994.
- Chen, P., Zhang, J.Y., Sha, B.B., Ma, Y.E., Hu, T., Ma, Y.C., Sun, H., Shi, J.X., Dong, Z.M., dan Li, P., 2017, Luteolin inhibits cell proliferation and induces cell apoptosis via down-regulation of mitochondrial membrane potential in esophageal carcinoma cells EC1 and KYSE450, *Oncotarget*, 8(16), pp. 27471 – 27480.
- Chen, K.C., Hsu, W.H., Ho, J.Y., Lin, C.W., Chu, C.Y., Kandaswami, C.C., Lee, M.T., dan Cheng, C.H., 2018, Flavonoids Luteolin and Quercetin Inhibit RPS19 and contributes to metastasis of cancer cells through c-Myc reduction
- Chiang, L.C., Ng, L.T., Lin, I.C., Kuo, P.L., dan Lin, C.C., 2006, Anti-proliferative effect of apigenin and its apoptotic induction in human Hep G2 cells, *Cancer Letters*, 237, pp. 207 – 214.

- Chung, K.S., Hon, J.Y., Lee, J.H., Lee, H.J., Park, J.Y., Choi, J.H., Park, H.J., Hong, J., dan Lee, K.T., 2019, β -Caryophyllene in the Essential Oil from *Chrysanthemum Boreale* Induces G1 Phase Cell Cycle Arrest in Human Lung Cancer Cells, *Molecules*, 24(3754), pp. 1 – 11.
- Craciunescu, O., Constantin, D., Gaspar, A., Toma, L., Utoiu, E., dan Moldovan, L., 2012, Evaluation of antioxidant and cytoprotective activities of *Arnica montana* L. and *Artemisia absinthium* L. ethanolic extracts, *Chemistry Central Journal*, 6(97), pp. 1 – 11.
- Cronquist, A., 1981, *An Integrated System Of Classification Of Flowering Plants*, Columbia University Press, Newyork.
- Darvin, P., Baeg, S.J., Joung, Y.H., Sp, N., Kang, D.Y., Byun, H.J., Park, J.U., dan Yang, Y.M., 2015, Tannic acid inhibits the Jak2/STAT3 pathway and induces G1/S arrest and mitochondrial apoptosis in YD-38 gingival cancer cells, *International Journal Of Oncology*, 47, pp. 1111 – 1120.
- Djihane, B., Wafa, N., Elkhamsa, S., Pedro, D.H.J., Maria, A.E., dan Mihoub, Z.M., 2016, Chemical constituents of *Helichrysum italicum* (Roth) G. Don essential oil and their antimicrobial activity against Gram-positive and Gram-negative bacteria, filamentous fungi and *Candida albicans*, *Saudi Pharmaceutical Journal*, 25, pp. 780 – 787.
- Elsayed, H.E., Ebrahim, H.Y., Mohyeldin, M.M., Siddique, A.B., Kamal, A.M., Haggag, E.G., dan Sayed, K.A.E., 2018, Rutin as A Novel c-Met Inhibitory Lead for The Control of Triple Negative Breast Malignancies, *Nutr Cancer*, 69(8), pp. 1256 – 1271.
- Erk, M.J.V., Roepman, P., Lende, T.R., Stierum, R.H., Aarts, J.M.M.J.G., Bladeren, P.J., dan Ommen, B., 2005, Integrated assessment by multiple gene expression analysis of quercetin bioactivity on anticancer-related mechanisms in colon cancer cells in vitro, *Eur J Nutr*, 44, pp. 143 – 156.

- Fu, X.Q., Chou, G.X., Kwan, H.Y., Tse, A.K.W., Zhao, L.H., dan Yuen, T.K., 2014, Inhibition of STAT3 signalling contributes to the antimelanoma action of atractylenolide II, *Experimental Dermatology*, 23, pp. 853 – 864.
- Georgieva, L., Gadjalova, A., Mihaylova, D., dan Pavlov, A., 2015, *Achillea millefolium* L. – phytochemical profile and in vitro antioxidant activity, *International Food Research Journal*, 22(4), pp. 1347 – 1352.
- Gulati, N., Laudet, B., Zohrabian, V.M., Murali, R., dan Uniyal, M.J., 2006, The Antiproliferative Effect of Quercetin in Cancer Cells is Mediated via Inhibition of the PI3K-Akt/PKB Pathway, *Anticancer Research*, 26, pp. 1177 – 1182.
- Guo, W.Q., Li, L.Z., He, Z.Y., Zhang, Q., Liu, J., Hu, C.Y., Qin, F.J., dan Wang, T.Y., 2013, Anti-proliferative Effects of *Atractylis lancea* (Thunb.) DC. Via Down-regulation of the c-myc/hTERT/Telomerase Pathway in Hep-G2 Cells, *Asian Pacific Journal of Cancer Prevention*, 14(11), pp. 6363 – 6367.
- Grigore, A., Neagu, G., Dobre, N., Albulescu, A., Ionita, L., Ionita, C., dan Albulescu, R., 2018, Evaluation of antiproliferative and protective effects of *Eupatorium cannabinum* L. extracts, *Turkish Journal of Biology*, 42, pp. 334 – 344.
- Hammad, H.M., Litescu, S.C., Matar, S.A., Al-Jaber, H.I., dan Afifi, F.U., 2014, Biological Activities of the Hydro-alcoholic and Aqueous Extracts of *Achillea falcata* L. (Asteraceae) Grown in Jordan, *European Journal of Medicinal Plants*, 4(3), pp. 259 – 270.
- Hong, Y.H., Weng, L.W., Chang, C.C., Hsu, H.F., Wang, C.F., Wang, S.W., dan Houg, J.Y., 2014, Anti-Inflammatory Effects of *Siegesbeckia orientalis* Ethanol Extract in In Vitro and In Vivo Models, *BioMed Research International*, 2014(329712), pp. 1 – 10.
- Ionita, L., Grigore, A., Pirvu, L., Draghici, E., Bubueanu, C., Ionita, C., Panteli, M., dan Dobre, N., 2013, Pharmacological activity of an *Eupatorium cannabinum* L. extract, *Romanian Biotechnological Letters*, 18(6), pp. 8779 – 8786.

- Ismaryani, A., Salni., Setiawan, A., dan Triwani, 2018, Aktivitas Sitotoksik, Antiproliferasi dan Penginduksi Apoptosis Daun Salung (*Psychotria viridiflora* Reinw. ex. Blume) terhadap Sel Kanker Serviks HeLa, *Jurnal Ilmu Kefarmasian Indonesia*, 16(2), pp. 206 – 213.
- Jabit, M.L., Wahyuni, F.S., Khalid, R., Israf, D.A., Shaari, K., Lajis, N.H., dan Stanslas, J., 2009, Cytotoxic and nitric oxide inhibitory activities of methanol extracts of *Garcinia* species, *Pharmaceutical Biology*, 47(11), pp. 1019–1026
- Jain, S., Dwivedi, J., Jain, P.K., Satpathy, S., dan Patra, A., 2016, Medicinal Plants for Treatment of Cancer: A Brief Review, *Pharmacognosy Journal*, 8(2), pp. 87 – 102.
- Jeong, J.H., An, J.Y., Kwon, Y.T., Rhee, J.G., dan Lee, Y.J., 2009, Effects of low dose quercetin: Cancer cell-specific inhibition of cell cycle progression, *J Cell Biochem*, 106(1), pp. 73 – 82.
- Karakas, F.P., Yildirim, A.B., Bayram, R., Yavuz, M.Z., Gepdiremen, A., dan Turker, A.U., 2015, Antiproliferative Activity of Some Medicinal Plants on Human Breast and Hepatocellular Carcinoma Cell Lines and their Phenolic Contents, *Trop J Pharm Res*, 14(10), pp. 1787 – 1795.
- Karan, T., Yildiz, I., Aydin, A., dan Erenler, R., 2018, Inhibition of Various Cancer Cells Proliferation of Bornyl Acetate and Essential Oil from *Inula graveolens* (Linnaeus) Desf., *Rec. Nat. Prod.*, 12(3), pp. 273 – 283.
- Karthikeyan, R., dan Amaldas, J., 2020, GC-MS Analysis of Bioactive Compounds of *Artemisia annua* and Assessment of its anti-proliferative activity against Human Cancer Cell Lines, *Int. J. Res. Pharm. Sci.*, 11(2), pp. 1840 – 1843.
- Khansari, M.G., Mojarrab, M., Ahmadi, F., dan Hosseinzadeh, L., 2013, The Antiproliferative Effects of Petroleum Ether Extract of *Artemisia Aucheri* on Human Cancerous Cell Lines, *Journal of Reports in Pharmaceutical Sciences*, 2(2), pp. 150 – 155.

- Kim, C., Cho, S.K., Kapoor, S., Kumar, A., Vali, S., Abbasi, T., Kim, S.H., Sethi, G., dan Ahn, K.S., 2013, β -Caryophyllene oxide Inhibits Constitutive and Inducible STAT3 Signaling Pathway Through Induction of the SHP-1 Protein Tyrosine Phosphatase, *Mol Carcinog.*, 53(10), pp. 793 – 806.
- Kim, B.S., Park, S.J., Kim, M.K., Kim, Y.H., Lee, S.B., Lee, K.H., Choi, N.Y., dan Lee, Y.R., 2015, Inhibitory Effects of *Chrysanthemum boreale* Essential Oil on Biofilm Formation and Virulence Factor Expression of *Streptococcus mutans*, *Evidence-Based Complementary and Alternative Medicine*, 2015(616309), pp. 1 – 11.
- Lawrence, G. H. M., 1968, *Taxonomy Vascular Plants*, The Macmillan Company, New York.
- Lee, J., dan Kim, J.H., 2016, Kaempferol Inhibits Pancreatic Cancer Cell Growth and Migration through the Blockade of EGFR-Related Pathway *In Vitro*, *PLOS ONE*, 11(5), pp. 1 – 14.
- Li, L., Zhao, R., Li, Y., dan Wang, W.H., 2017, Antitumor activity of 2-[(2E)-3,7-dimethyl-2,6-octadienyl]-6-methyl-2,5-cyclohexadiene-1,4-dione isolated from the aerial part of *Atractylodes macrocephala* in hepatocellular carcinoma, *Molecular Medicine Reports*, 16, pp. 6299 – 6305.
- Li, Q., dan Sun, X., 2018, Prostaglandin EP2 receptor: Novel therapeutic target for human cancers (Review), *INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE*, 42, pp. 1203 – 1214.
- Lodish, H., Berk, A., Zipursky, S.L., Matsudaira, P., Baltimore, D., Darnell, J., 1999, *Molecular Cell Biology*, 4th Ed., W.H. Freeman and Company, England
- Manuele, M.G., Arcos, M.L.B., Davicino, R., Ferraro, G., Cremaschi, G., dan Anesini, G., 2010, Limonene Exerts Antiproliferative Effects and Increases Nitric Oxide Levels on a Lymphoma Cell Line by Dual Mechanism of the ERK Pathway: Relationship with Oxidative Stress, *Cancer Investigation*, 28, pp. 135 – 145.

- Mojarrab, M., Lagzian, M.S., Emami, S.A., Asili, J., dan Najaran, Z.T., 2013, In vitro anti-proliferative and apoptotic activity of different fractions of *Artemisia armeniaca*, *Rev Bras Farmacogn*, 23, pp. 783 – 788.
- Muliarta, Irawan, W., Armenia, F., dan Asnah, 2011, Pengaruh Ekstrak Akar *Taraxacum officinale* (Dandelion) dalam Mengaktifkan Gen Retenoid Acid Reseptor $\beta 2$ untuk Menekan Pertumbuhan Kanker Payudara Melalui Proses Demetilasi sehingga Menginduksi Proses Apoptosis, *Indonesian Journal of Cancer*, 5(2), pp. 67 – 75.
- Nafis, F.D.R., dan Sofian, F.F., 2018, Review Jurnal: Aktivitas Anti Kanker Payudara Beberapa Tanaman Herbal, *Farmaka*, 16(2), pp. 84 – 95.
- Nazaruk, J., dan Gudej, J., 2001, Qualitative and quantitative chromatographic investigation of flavonoids in *Bellis perennis* L., *Acta Pol Pharm*, 58(4), pp. 401 – 404.
- Nazaruk, J., dan Kalembe, D., 2009, Chemical Composition of the Essential Oils from the Roots of *Erigeron acris* L. and *Erigeron annuus* (L.) Pers., *Molecules*, 14, pp. 2458 – 2465.
- Nazaruk, J., Karna, E., Wiczorek, P., Sacha, P., dan Trynieszewska, E., 2010, In vitro Antiproliferative and Antifungal Activity of Essential Oils from *Erigeron acris* L. and *Erigeron annuus* (L.) Pers, *Z. Naturforsch.*, 65c, pp. 642 – 646.
- Nurani, L.H., 2012, Uji Sitotoksitas Dan Antiproliferatif Sel Kanker Payudara T47d Dan Sel Vero Biji *Nigella sativa*, L., *Jurnal Ilmiah Kefarmasian*, 2(1), pp. 17 – 29.
- Park, K.R., Nam, D., Yun, H.M., Lee, S.G., Jang, H.J., Sethi, G., Cho, S.K., dan Ahn, K.S., 2011, b-Caryophyllene oxide inhibits growth and induces apoptosis through the suppression of PI3K/AKT/mTOR/S6K1 pathways and ROS-mediated MAPKs activation, *Cancer Letters*, 312, pp. 178 – 188.

- Peng, W., Han, T., Wang, Y., Xin, W.B., Zheng, C.J., dan Qin, L.P., 2011, Chemical Constituents Of The Aerial Part Of *Atractylodes macrocephala*, *Chemistry of Natural Compounds*, 46(6), pp. 959 – 960.
- Pusat Data dan Informasi, 2016, *Bulan Peduli Kanker Payudara*, Kementerian Kesehatan RI, Jakarta.
- Perk, A.A., Mytsyk, I.S., Gerçek, Y.C., Boztaş, K., Yazgan, M., Fayyaz, S., dan Farooqi, A.A., 2014, Rutin mediated targeting of signaling machinery in cancer cells, *Cancer Cell International*, 14(124), pp. 1 – 5.
- Perpusnas, 2010, *Peraturan Kepala Perpustakaan Nasional Republik Indonesia Nomor 2 Tahun 2008 Tentang Petunjuk Teknis Jabatan Fungsional Pustakawan dan Angka Kreditnya*, Perpustakaan Nasional Republik Indonesia, Jakarta.
- Rabe, S.Z.T., Mahmoudi, M., Ahi, A., dan Emami, S.A., 2011, Antiproliferative effects of extracts from Iranian *Artemisia* species on cancer cell lines, *Pharmaceutical Biology*, 49(9), pp. 962 – 969.
- Ramos, P.A.B., Guerra, A.R., Guerreiro, O., Freire, C.S.R., Silva, A.M.S., Duarte, M.F., dan Silvestre, A.J.D., 2013, Lipophilic Extracts of *Cynara cardunculus* L. var. *altilis* (DC): A Source of Valuable Bioactive Terpenic Compounds, *J. Agric. Food Chem.*, 61, pp. 8420 – 8429.
- Ramos, P.A.B., Guerra, A.R., Guerreiro, R., Santos, S.A.O., Oliveira, H., Freire, C.S.R., Silvestre, A.J.D., dan Duarte, M.F., 2017, Antiproliferative Effects of *Cynara cardunculus* L. var. *altilis* (DC) Lipophilic Extracts, *International Journal of Molecular Sciences*, 18(63), pp. 1 – 15.
- Risco, M.R.G., Mouhid, L., Pérez, L.S., Padilla, A.L., Santoyo, S., Jaime, L., Molina, A.R.D., Reglero, G., dan Fornari, T., 2017, Biological Activities of *Asteraceae* (*Achillea millefolium* and *Calendula officinalis*) and *Lamiaceae* (*Melissa officinalis* and *Origanum majorana*) Plant Extracts, *Plant Foods Hum Nutr*, 72(1) : 96 – 102.

- Ruan, J.X., Li, J.X., Fang, X., Wang, L.J., Hu, W.L., Chen, X.Y., dan Yang, C.Q., 2016, Isolation and Characterization of Three New Monoterpene Synthases from *Artemisia annua*, *Frontiers in Plant Science*, 7(638), pp. 1 – 10.
- Ruela-de-Sousa, R.R., Fuhler, G.M., Blom, N., Ferreira, C.V., Aoyama, H., dan Peppelenbosch, M.P., 2010, Cytotoxicity of apigenin on leukemia cell lines: implications for prevention and therapy, *Citation: Cell Death and Disease* 2, 1(e19), pp. 1 – 12.
- Seukep, A.J., Zhang, Y.L., Xu, Y.B., dan Guo, M.Q., 2020, In Vitro Antibacterial and Antiproliferative Potential of *Echinops lanceolatus* Mattf. (Asteraceae) and Identification of Potential Bioactive Compounds, *Pharmaceuticals*, 13(59), pp. 1 – 14.
- Shinta, N., dan Surarso, B., 2016, Terapi Mual Muntah Pasca Kemoterapi, *Jurnal THT* 9(2), pp. 74 – 83.
- Simanjuntak, H.A., 2017, Potensi Famili *Asteraceae* Sebagai Obat Tradisional di Masyarakat Etnis Simalungun Kabupaten Simalungun Provinsi Sumatera Utara, *BioLink*, 4(1), pp. 11 – 18.
- Sobolewski, C., Cerella, C., Dicato, M., Ghibelli, L., dan Diederich, M., 2010, The Role of Cyclooxygenase-2 in Cell Proliferation and Cell Death in Human Malignancies, *International Journal of Cell Biology*, 2010(215158), pp. 1 – 21.
- Staver, M.M., Gobin, I., Ratkaj, I., Petrovic, M., Vulinovic, A., Sablic, M.D., dan Broznic, D., 2018, In vitro Antiproliferative and Antimicrobial Activity of the Essential Oil from the Flowers and Leaves of *Helichrysum italicum* (Roth) G. Don Growing in Central Dalmatia (Croatia), *Journal of Essential Oil Bearing Plants*, 21(1), pp. 77 – 91.

- Strzemski, M., Wojnicki, K., Sowa, I., Krawczyk, K.W., Krawczyk, P., Kocjan, R., Such, J., Latański, M., Wnorowski, A., dan Kosior, M.W., 2017, In Vitro Antiproliferative Activity of Extracts of *Carlina acaulis* subsp. *caulescens* and *Carlina acanthifolia* subsp. *Utzka*, *Frontiers in Pharmacology*, 8(371), pp. 1 – 11.
- Sumitro, S.B., Widyarti, S., dan Permana, S., 2017, *Biologi Sel : Sebuah Perspektif Memahami Sistem Kehidupan*, UB Press, Malang Indonesia.
- Tabrizi, H., Mortazavi, S.A., dan Kamalinejad, M., 2003, An in vitro evaluation of various *Rosa damascena* flower extracts as a natural antisolar agent, *International Journal of Cosmetic Science*, 25, pp. 259 – 265.
- Talib, W.H., dan Mahasneh, A.M., 2010, Antiproliferative Activity of Plant Extracts Used Against Cancer in Traditional Medicine, *Sci Pharm*, 78, pp. 33 – 45.
- Tian, S., dan Yu, H., 2017, Atractylenolide II Inhibits Proliferation, Motility and Induces Apoptosis in Human Gastric Carcinoma Cell Lines HGC-27 and AGS, *Molecules*, 22(1886), pp. 1 – 10.
- Tian, Q., dan Zang, Y.H., 2015, Antiproliferative and apoptotic effects of the ethanolic herbal extract of *Achillea falcata* in human cervical cancer cells are mediated via cell cycle arrest and mitochondrial membrane potential loss, *JBUON*, 20(6), pp. 1487 – 1496.
- Tjitrosoepomo, G., 2010, *Taksonomi Tumbuhann Obat-obatan*, UGM, Yogyakarta.
- Wegiera, M., Smolarz, H.D., Druch, M.J., Korczak, M., dan Kopro, K., 2012, Cytotoxic Effect Of Some Medicinal Plants From *Asteraceae* Family On J-45.01 Leukemic Cell Line - Pilot Study, *Acta Poloniae Pharmaceutica - Drug Research*, 69(2), pp. 263 – 268.
- WHO, 2018, *International Agency for Research on Cancer*, World Health Organization, Lyon, Prancis.

- Wu, Z.L., Du, Y.H., Guo, Z.F., Lei, K.J., Jia, Y.M., Xie, M., Kang, X., Wei, Q., He, L., Wang, Y., Hu, Y., Yuan, M., dan Yuan, S., 2016, Essential oil and its major compounds from oil camphor inhibit human lung and breast cancer cell growth by cell-cycle arresting, *Int. J. Clin. Exp. Med.*, 9(7), pp. 12852 – 12861.
- Xu, F., Na, L., Li, Y., dan Chen, L., 2020, Roles of the PI3K/AKT/mTOR signalling pathways in neurodegenerative diseases and tumours, *Cell Biosci.*, 10(54), pp. 1 – 12.
- Yee, S.B., Lee, J.H., Chung, H.Y., Im, K.S., Bae, S.J., Choi, J.S., dan Kim, N.D., 2003, Inhibitory Effects of Luteolin Isolated from *Ixeris sonchifolia* Hance on the Proliferation of HepG2 Human Hepatocellular Carcinoma Cells, *Arch Pharm Res*, 26(2), pp. 151 – 156.
- Yildirim, I., dan Kutlu, T., 2015, Anticancer agents: saponin and tannin, *International Journal of Biological Chemistry*, 9(6), pp. 332 – 340.
- Yoou, M., Nam, S.Y., Jin, M.H., Lee, S.Y., Kim, M.S., Roh, S.S., Choi, I.H., Woo, N., Lim, S.W., Kim, D.H., Jang, J.B., Kim, H.M., dan Jeong, H.J., 2017, Ameliorative effect of atractylenolide III in the mast cell proliferation induced by TSLP, *Food and Chemical Toxicology*, 106, pp. 78 – 85.
- Yu, R., Yu, B., Chen, J., Lv, X., Yan, Z., Cheng, Y., dan Ma, Q., 2016, Anti-tumor effects of Atractylenolide I on bladder cancer cells, *Journal of Experimental & Clinical Cancer Research*, 35(40), pp. 1 – 10.
- Yusuf, H.Y., 1999, Peran Gen p53 dan Regulasi Apoptosis Pada Perkembangan Kanker, Khususnya Karsinoma Kanker dan Leher, *JKGUI*, 6(3), pp. 44 – 49.
- Zhang, H.W., Hu, J.J., Fu, R.Q., Liu, X., Zhang, Y.H., Li, J., Liu, L., Li, Y.N., Deng, Q., Luo, Q.S., Ouyang, Q., dan Gao, N., 2018, Flavonoids inhibit cell proliferation and induce apoptosis and autophagy through downregulation of PI3K γ mediated PI3K/AKT/mTOR/p70S6K/ULK signaling pathway in human breast cancer cells, *Scientific Reports*, 8(11255), pp. 1 – 13.

Zhou, Z., Tanga, M., Liua, Y., Zhanga, Z., Lub, R., dan Lu, J., 2017, Apigenin inhibits cell proliferation, migration, and invasion by targeting Akt in the A549 human, lung cancer cell line, *Anti-Cancer Drugs*, 28(4), pp. 446 – 456.

