

DAFTAR PUSTAKA

- Abbas, H., El-Feky, Y.A., Al-Sawahli, M., El-Deeb, N.M., Bakr, E.-N.H., dan Zewail, M., 2022, Development And Optimization of Curcumin Analog Nano-Bilosomes Using $2^1.3^1$ Full Factorial Design for Anti-Tumor Profiles Improvement in Human Hepatocellular Carcinoma: In-Vitro Evaluation, In-Vivo Safety Assay, *Drug Deliv.*, 29(1), 714–727.
- Abu-Taweel, G.M., Attia, M.F., Hussein, J., Mekawi, E.M., Galal, H.M., Ahmed, E.I., Allam, A.A., dan El-Naggar, M.E., 2020, Curcumin Nanoparticles Have Potential Antioxidant Effect and Restore Tetrahydrobiopterin Levels In Experimental Diabetes, *Biomed. Pharmacother.*, 131, 1-8.
- Adegoke, O.A., 2011, Analytical, Biochemical, dan Synthetic Applications Of Para-Dimethylaminobenzaldehyde, *Int. J. Pharm. Sci. Rev. Res.*, 11(2), 17-29.
- Adi, A.C., Setiawaty, N., Anindya, A., dan Rachmawati, H., 2019, Formulation and Characterization of Vitamin A Nanoemulsion, *Media Gizi Indones.*, 14(1), 1-13.
- Agarwal, A., Jangid, M., dan Vats, P., 2026, AI-Driven Breast Cancer Detection: Advancements in Transfer Learning and Hybrid CNN Models, *Lect. Notes Netw. Syst.*, 1669, 491-502.
- Albrecht, J., Müller, M., Hafstað, V., Kaminska, K., Vallon-Christersson, J., Honeth, G., dan Persson, H., 2025, Dynamic Methylation and Expression of Alternative Promoters for Oestrogen Receptor Alpha in Cell Line Models of Fulvestrant Resistance, *Mol. Oncol.*, 19(1), 204-224.
- Aman, L.O., Arfan, dan Asnawi, A., 2023, Studi In Silico Tentang Interaksi Sinergis Antara 5-Fluorouracil dan Analog Kurkumin Sebagai Inhibitor Protein Limfoma Sel B2, *Int. J. Appl. Pharm.*, 15, 13-18.
- Anand, P., Kunnumakkara, A.B., Newman, R.A., dan Aggarwal, B.B., 2007, Bioavailability of Curcumin: Problems and Promises, *Mol. Pharm.*, 4(6), 807-818.
- Anisa, D.N., Utami, G.N., dan Hidayat, D., 2022, Sintesis Senyawa Analog Kurkumin Monoketon dengan Variasi Konsentrasi Katalis KOH, *Analit*, 7, 13–20.
- Arnott, J.A., dan Planey, S.L., 2012, The Influence Of Lipophilicity In Drug Discovery And Design, *Expert Opin. Drug Discov.*, 7(10), 863-875.

- Astuti, E., Kultsum, J.A., Aulia, Z., Rahmawari, F., Gurning, K., Triono, S., Haryadi, W., dan Pranowo, H.D., 2025, Synthesis of Three Novel Curcumin Analog Compounds and Their Activity Tests Against Breast Cancer Based on In Vitro, Network Pharmacology, dan Molecular Docking Assessments, *J. Appl. Pharm. Sci.*, 15, 68–80.
- Awasthi, A. K., Gupta. S., Namdev, K.R., Banerjee, A., dan Srivastav, A., 2021, Polydopamine and Dopamine Interfere with Tetrazolium-Based Cytotoxicity Assays and Produce Exaggerated Cytocompatibility Inferences, *Biomater. Sci.*, 9, 3300-3305.
- Belachew, E.B. and Sewasew, D.T., 2021, Molecular Mechanisms of Endocrine Resistance in Estrogen-Positive Breast Cancer, *Front. Endocrinol. (Lausanne)*, 12.
- Bomblies, R., Luitz, M., dan Zacharias, M., 2015, *In Silico Drug Discovery and Design: Theory, Methods, Challenges, and Applications*, CRC Press, Boca Raton.
- Brenelli, F.P. and Almeida, N.R., 2019, Breast Reconstruction After Aesthetic Surgery, *OPBS*, 731–743.
- Cao, W., Yu, P., Yang, S., Li, Z., Zhang, Q., Liu, Z., dan Li, H., 2023, Discovery of Novel Mono-Carbonyl Curcumin Derivatives as Potential Anti-Hepatoma Agents, *Molecules*, 28(19), 6796.
- Cauwelier, C., de Ridder, I., dan Bultynck, G., 2024, Recent advances in canonical versus non-canonical Ca²⁺-signaling-related anti-apoptotic Bcl-2 functions and prospects for cancer treatment, *Biochim Biophys Acta Mol Cell Res.*, 1871 (5), 1-14.
- Celik, L., Lund, J.D.D., dan Schiøtt, B., 2007, Conformational Dynamics of The Estrogen Receptor A: Molecular Dynamics Simulations of The Influence of Binding Site Structure on Protein Dynamics, *Biochem.*, 46, 1743–1758.
- Cristofanilli, M., dan Hortobagyi, G.N., 2002, Molecular Targets In Breast Cancer: Current Status and Future Directions, *Endocr. Relat. Cancer*, 9(4), 249-266.
- Da'i, M., Wulandari, R.R., dan Utami, W., 2011, Uji Aktivitas Penangkap Radikal DPPH Analog Kurkumin Siklik Dan N-Heterosiklik Monoketon, *Pharmakon*, 12, 19–25.
- Dee, E.C., Laversanne, M., Bhoo-Pathy, N., Ho, F.D.V., Feliciano, E.J.G., Eala, M.A.B., Ting, F.I.L., Ginsburg, O., Moraes, F.Y., Gyawali, B., Gomez, S.L., Ng, K., Wu, J.F., Jain, U., Jain, B., Columbres, R.C., Matsuda, T., Sangrajang, S., Sinuraya, E.S., Bui, T.D., Wei, W., Won, Y.J., Foo, L.L.,

- Ling, M.C.A., Mery, L., Soerjomataram, I., dan Bray, F., 2025, Cancer Incidence and Mortality Estimates in 2022 in Southeast Asia: A Comparative Analysis, *Lancet Oncol.*, 26(4), 516-528.
- Du, Y., Zou, J., dan Li, M., 2024, Effects of Microecological Agents on Side Effects of Chemotherapy, *Chin. J. Microecol.*, 35(7), 860-863.
- Dutta, D., Pajaniradje, S., Nair, A.S., Chandramohan, S., Bhat, S.A., Manikandan, E., dan Rajagopalan, R., 2024, An In-Vitro Study of Active Targeting & Anti-Cancer Effect of Folic Acid Conjugated Chitosan Encapsulated Indole Curcumin Analogue Nanoparticles, *Int. J. Biol. Macromol.*, 282, 1-15.
- Eryanti, Y., Hendra, R., Herlina, T., Zamri, A., dan Supratman, U., 2015, Synthesis of Curcumin Analogue, N-H and N-Benzil-4-Piperidone and their Cytotoxic Activity, *Procedia Chem.*, 17, 224-229.
- Ferone, G., Krimpenfort, P., dan Berns, A., 2018, *Encyclopedia of Cancer*, Elsevier Publishing Company Ltd., London.
- Fikroh, R.A., Matsjeh, S., Anwar, C., dan Nurohmah, B.A., 2023, Green Synthesis of Halogen Substituted Chalcone Against Cervical Cancer (Hela) Cell Lines, *INSECTA*, 4, 1-8.
- Flick, J., Tristram, F., dan Wenzel, W., 2012, Modeling Loop Backbone Flexibility in Receptor-Ligand Docking Simulations, *J. Comput. Chem.*, 33, 2504-2515.
- Furet, P., Guagnano, V., Fairhurst, R.A., Imbach-Weese, P., Bruce, I., Knapp, M., Fritsch, C., Blasco, F., Blanz, J., Aichholz, R., Hamon, J., Fabbro, D., dan Caravatti, G., 2013, Discovery of NVP-BYL719 a Potent and Selective Phosphatidylinositol-3 Kinase Alpha Inhibitor Selected for Clinical Evaluation, *Bioorg. Med. Chem. Lett.*, 23, 3741-3748.
- Gao, L., Zhang, D., dan Chen, M., 2008, Drug Nanocrystals for the Formulation of Poorly Soluble Drugs and its Application as a Potential Drug Delivery System, *J. Nanopart. Res.*, 10(5), 845-862.
- Gao, Y., Li, Z., Sun, M., Guo, C., Yu, A., Xi, Y., Cui, J., Lou, H., dan Zhai, G., 2011, Preparation and Characterization of Intravenously Injectable Curcumin Nanosuspension, *Drug Deliv.*, 18(2), 131-142.
- Gao, X., Wang, S., Dong, J., Li, J., Zhang, Y., Wu, Y., dan Ba, X., 2023, Effect of Mono- and Diketone Group in Curcumin Analogues on Amyloid Fibrillation of Hen Egg White Lysozyme, *Biophys. Chem.*, 292.

- Gupta, D., dan Khan, A.U., 2021, *Molecular Docking for Computer-Aided Drug Design: Fundamentals, Techniques, Resources and Applications*, Elsevier Publishing Company Ltd., London.
- Habibie, R.K. and Ritmaleni, 2025, The Open Bioinformatics Journal In Silico Study of Dibenzylidene Cyclohexanone-Based Curcumin Analogs as Potential Inhibitors of Breast Cancer Receptor Proteins, *Open Bioinforma. J.*, 18.
- Hida, K., Hida, Y., dan Shindoh, M., 2008, Understanding Tumor Endothelial Cell Abnormalities to Develop Ideal Anti-Angiogenic Therapies, *Cancer Sci.*, 99, 459–466.
- Hoang, C.N.M., Nguyen, S.H., dan Tran, M.T., 2025, Nanoparticles in Cancer Therapy: Strategies to Penetrate and Modulate the Tumor Microenvironment – a review, *Smart Mater. Med.*, 6, 270–284.
- Inayah, S.K., Pranowo, H.D., Wahyuningsih, T.D., dan Anwar, C., 2019, Ultrasound-Assisted Synthesis of Some Curcumin Analogs and Their Synergistic Effect with Ferulic Acid on A-Amylase Inhibition, *Mater. Sci. Forum*, 948, 120–126.
- Islam, A., Jena, D., Mondal, N.S., Teli, A., Mondal, S., dan Gautam, M.K., 2025, In-silico Approaches for Drug Designing Technology: Bridging Discovery and Development, *Curr. Drug Discov. Technol.*, 22(5), 1-14.
- Kharat, M., Du, Z., Zhang, G., dan McClements, D.J., 2017, Physical and Chemical Stability of Curcumin in Aqueous Solutions and Emulsions: Impact of pH, Temperature, dan Molecular Environment, *J Agr. Food Chem.*, 65(8), 1525-1532.
- Kong, Z.L., Kuo, H.P., Johnson, A., Wu, L.C., dan Chang, K.L.B., 2019, Curcumin-Loaded Mesoporous Silica Nanoparticles Markedly Enhanced Cytotoxicity in Hepatocellular Carcinoma Cells, *Int. J. Mol. Sci.*, 20(12).
- Kumar, A., dan Dixit, C.K., 2017, *Advances in Nanomedicine for the Delivery of Therapeutic Nucleic Acids*, Woodhead Publishing, Cambridge.
- Kumar, P., Nagarajan, A., dan Uchil, P.D., 2018, Analysis of Cell Viability by the MTT Assay, *Cold Spring Harb. Protoc.*, 2018(6).
- Kumari, M., Sharma, N., Manchanda, R., Gupta, N., Syed, A., Bahkali, A.H., dan Nimesh, S., 2021, PGMD/Curcumin Nanoparticles for the Treatment of Breast Cancer, *Sci. Rep.*, 11(1), 3824.

- Li, Q., He, Y.L., dan Zhang, Z.M., 2021, Research Progress in the Biological Mechanism of Curcumin against Cancer, *Chin. J. Pharm. Biotechnol.*, 28(2), 217-220.
- Li, X., Huang, Q., Wu, Y., dan Hu, S., 2024, The Global Cancer Statistics Report in 2022: A Narrow Spectrum Summary and Outlook, *Cancer Res. Prev. Treat.*, 51(5), 307-312.
- Lim, S.H., Wong, T.W., dan Tay, W.X., 2024, Overcoming Colloidal Nanoparticle Aggregation in Biological Milieu for Cancer Therapeutic Delivery: Perspectives of Materials and Particle Design, *Adv. Colloid Interface Sci.*, 325, 1-21.
- Liu, X., Xu, Y., Zhou, Q., Chen, M., Zhang, Y., Liang, H., Zhao, J., Zhong, W., dan Wang, M., 2018, PI3K in Cancer: Its Structure, Activation Modes and Role in Shaping Tumor Microenvironment, *Future Oncol.*, 14(7), 665-674.
- Lucantoni, F., Salvucci, M., Düsselmann, H., Lindner, A.U., Lambrechts, D., dan Prehn, J.H.M., 2021, BCL(X)L and BCL2 Increase the Metabolic Fitness of Breast Cancer Cells: A Single-Cell Imaging Study, *Cell Death Differ.*, 28(5), 1512-1531.
- Mahavorasirikul, W., Viyanant, V., Chaijaroenkul, W., Itharat, A., dan Na-Bangchang, K., 2010, Cytotoxic Activity of Thai Medicinal Plants Against Human Cholangiocarcinoma, Laryngeal and Hepatocarcinoma Cells In Vitro, *BMC Complement. Altern. Med.*, 10(1), 55.
- Mansouri, K., Rasoulpoor, S., Daneshkhah, A., Abolfathi, S., Salari, N., Mohammadi, M., Rasoulpoor, S., dan Shabani, S., 2020, Clinical Effects of Curcumin in Enhancing Cancer Therapy: A Systematic Review, *BMC Cancer*, 20(1), 791.
- Meng, X.-Y., Zhang, H.-X., Mezei, M., dan Cui, M., 2011, Molecular Docking: A Powerful Approach for Structure-Based Drug Discovery, *Curr. Comput. Aided Drug Des.*, 7(2), 146-157.
- Mohanrao, B.M., Sundar, P.S., dan Nagsen, S., 2011, Oral Bioavailability Enhancement of A Poorly Water-Soluble Drug by Co-Surfactant-Free Self-Emulsifying Drug Delivery System (SEDDS), *RJPT*, 4(10), 1557-1562.
- Mohapatra, R.K., El-ajaily, M.M., Alassbaly, F.S., Sarangi, A.K., Das, D., Maihub, A.A., Ben-Gweirif, S.F., Mahal, A., Suleiman, M., Perekhoda, L., Azam, M., dan Al-Noor, T.H., 2021, DFT, Anticancer, Antioxidant and Molecular Docking Investigations of Some Ternary Ni(II) Complexes With 2-[(E)-[4-(dimethylamino)phenyl]methyleamino]phenol, *Chem. Pap.*, 75(3), 1005-1019.

- Muchtaridi, M., Syahidah, H.N., Subarnas, A., Yusuf, M., Bryant, S.D., dan Langer, T., 2017, Molecular Docking and 3D-Pharmacophore Modeling to Study the Interactions of Chalcone Derivatives with Estrogen Receptor Alpha, *Pharmaceuticals*, 10(4), 81.
- Müller, R.H., Jacobs, C., dan Kayser, O., 2001, Nanosuspensions as Particulate Drug Formulations in Therapy: Rationale for Development and What We Can Expect for The Future, *Adv. Drug Deliv. Rev.*, 47, 3-19.
- Naqvi, A.A.T. dan Hassan, M.I., 2016, *Oncology: Breakthroughs in Research and Practice*, IGI Global, Hershey.
- Nishimura, F.G., Sampaio, B.B., Komoto, T.T., da Silva, W.J., da Costa, M.M.G., Haddad, G.I., Peronni, K.C., Evangelista, A.F., Hossain, M., Dimmock, J.R., Bandy, B., Beleboni, R.O., Marins, M., dan Fachin, A.L., 2024, Exploring CDKN1A Upregulation Mechanisms: Insights into Cell Cycle Arrest Induced by NC2603 Curcumin Analog in MCF-7 Breast Cancer Cells, *Int. J. Mol. Sci.*, 25, 1-16.
- Niu, J., Wang, X., Liang, C., Zhang, Y.D., Liu, F.Y., Li, H.Y., Xie, S.Q., Sun, H., dan Fang, D., 2019, Suppression of Epidermal Growth Factor Receptor-Mediated β -Catenin Nuclear Accumulation Enhances The Anti-Tumor Activity of Phosphoinositide 3-Kinase Inhibitor in Breast Cancer, *Cell Biol. Int.*, 43, 931–939.
- Novikov, N.M., Zolotaryova, S.Y., Gautreau, A.M., dan Denisov, E. V., 2021, Mutational Drivers of Cancer Cell Migration and Invasion, *Br. J. Cancer*, 124, 102–114.
- Orrantia-Borunda, E., Anchondo-Nuñez, P., Acuña-Aguilar, L.E., Gómez-Valles, F.O., dan Ramírez-Valdespino, C.A., 2022, *Breast Cancer : Subtypes of Breast Cancer*, Exon Publications, Brisbane.
- Priyadarsini, K.I., 2014, The Chemistry of Curcumin: from Extraction to Therapeutic Agent, *Molecules*, 19(12), 20091-20112.
- Racz, L.Z., Racz, C.P., Pop, L.C., Tomoaia, G., Mocanu, A., Barbu, I., Sárközi, M., Roman, I., Avram, A., Tomoaia-Cotisel, M., dan Toma, V.A., 2022, Strategies for Improving Bioavailability, Bioactivity, dan Physical-Chemical Behavior of Curcumin, *Molecules*, 27(20), 6854.
- Rajput, S., Malviya, R., Prajapati, B.G., Sridhar, S.B., dan Shareef, J., 2025, Nanoparticle Troopers: Infiltrating Cancer Cells for Targeted Therapies, *Nano-Struct. Nano-Objects*, 41, 1-32.

- Ramadhana, A.F., Chaerunisa, A.Y., dan Sopyan, I., 2021, Dispersi Padat sebagai Metode Peningkatan Kelarutan Bahan Obat dalam Tablet: Formulasi dan Karakterisasi, *Farmaka*, 19(2), 148–170.
- Sahayarayan, J.J., Rajan, K.S., Vidhyavathi, R., Nachiappan, M., Prabhu, D., Alfarraj, S., Arokiyaraj, S., dan Daniel, A.N., 2021, In-Silico Protein-Ligand Docking Studies Against The Estrogen Protein of Breast Cancer Using Pharmacophore Based Virtual Screening Approaches, *Saudi J. Biol. Sci.*, 28(1), 400–407.
- Sancha, S.A.R., Szemerédi, N., Spengler, G., dan Ferreira, M.J.U., 2023, Lycorine Carbamate Derivatives for Reversing P-glycoprotein-Mediated Multidrug Resistance in Human Colon Adenocarcinoma Cells, *Int. J. Mol. Sci.*, 24, 2061.
- Sandri, G., Bonferoni, M.C., Rossi, S., Caramella, C.M., dan Ferrari, F., 2018, Effects of Particle Size, Surface Nature and Crystal Type on Dissolution Rate, *AAPS*, 29, 303–328.
- Sarfraz, M., dan Ullah, H., 2024, *Fundamentals of Cellular and Molecular Biology*, Bentham Science Publishers Pte. Ltd., Singapore.
- Scherließ, R., 2011, The MTT Assay as Tool to Evaluate and Compare Excipient Toxicity In Vitro on Respiratory Epithelial Cells, *Int. J. Pharm.*, 411(1-2), 98–105.
- Shah, R., Battisti, N.M.L., Brain, E., Gnanngnon, F.H.R., Kanesvaran, R., Mohile, S., Noronha, V., Puts, M., Soto-Perez-de-Celis, E., dan Pilleron, S., 2025, Updated Cancer Burden in Oldest Old: A Population-Based Study Using 2022 Globocan Estimates, *Cancer Epidemiol.*, 95.
- Sharma, C., Desai, M.A., dan Patel, S.R., 2019, Pengaruh Surfaktan dan Polimer Terhadap Morfologi dan Ukuran Partikel Telmisartan dalam Kristalisasi Anti-Pelarut Berbantuan Ultrasonik, *Chem. Pap.*, 73, 1685–1694.
- Sharma, D.K., Behera, A., dan Pattnaik, G., 2025, Recent Advancements in Nanosuspension-based Drug Delivery Systems: A Mini-Review from Concept to Applications, *Drug Deliv. Lett.*, 16(1), 90-100.
- Shen, C., Zhang, M., Lu, M., Chang, E., Gao, Z., Ban, W., Liu, Q., Zuo, Z., dan Jiang, C., 2025, Machine Learning Empowered Formulation Design, Optimization and Characterization of Nanoparticulate Drug Delivery Systems: Current Applications, Challenges, and Future Perspectives, *Acta Pharm. Sin. B*, 16(2), 665-685.

- Shriner, R.Lloyd., Hermann, C.K.F., Morrill, T.C., Curtin, D.Y., dan Fuson, R.C., 2004, *The Systematic Identification of Organic Compounds, 8th Edition*. John Wiley & Sons. Inc., New Jersey.
- Sieuwerds, A.M., Klijn, J.G.M., Peters, H.A., dan Foekens, J.A., 1995, The MTT Tetrazolium Salt Assay Scrutinized: How to Use this Assay Reliably to Measure Metabolic Activity of Cell Cultures in vitro for the Assessment of Growth Characteristics, IC₅₀-Values and Cell Survival, *Clin. Chem. Lab. Med.*, 33(11), 813–824.
- Sun, M., Gao, Y., Zhu, Z., Wang, H., Han, C., Yang, X., dan Pan, W., 2017, A Systematic In Vitro Investigation on Poly-Arginine Modified Nanostructured Lipid Carrier: Pharmaceutical Characteristics, Cellular Uptake, Mechanisms and Cytotoxicity, *Asian J. Pharm. Sci.*, 12, 51–58.
- Suresh, K. and Nangia, A., 2018, Curcumin: Pharmaceutical Solids as a Platform to Improve Solubility and Bioavailability, *CrystEngComm*, 20(24), 3277–3296.
- Tecalco-Cruz, A.C., Macías-Silva, M., dan Ramírez-Jarquín, J.O., 2020, *Estrogen Receptors: Structure, Functions and Clinical Aspects*, Nova Science Publishers, Inc., Hauppauge.
- Tomeh, M.A., Hadianamrei, R., dan Zhao, X., 2019, A Review of Curcumin and Its Derivatives as Anticancer Agents, *Int. J. Mol. Sci.*, 20(5), 1033.
- Tóth, G., Bowers, S.G., Truong, A.P., dan Probst, G., 2007, The Role and Significance of Unconventional Hydrogen Bonds in Small Molecule Recognition by Biological Receptors of Pharmaceutical Relevance, *Curr. Pharm. Des.*, 13, 3476–3493.
- Tripathi, A., Suri, K., Sriram, K., dan Murugan, N.A., 2025, Assessing The Accuracy of Binding Pose Prediction for Kinase Proteins and 7-Azaindole Inhibitors: A Study with AutoDock4, Vina, DOCK 6, dan GNINA 1.0, *RSC Adv.*, 15(55), 47051-47065.
- Wunnava, A.U., Mak, K.-K., Balijepalli, M.K., Zhang, S., Pang, J.-C., dan Pichika, M.R., 2026, Structural Modifications of Curcumin Toward Clinical Applications, *Open Med. Chem. J.*, 20(1).
- Yu, P., Cao, W., Zhao, L., Han, Q., Yang, S., Yang, K., Pan, X., Wang, Q., dan Wang, Y., 2022, Design, Synthesis, dan Antitumor Evaluation of Novel Mono-Carbonyl Curcumin Analogs in Hepatocellular Carcinoma Cell, *Pharmaceuticals*, 15(8), 950.

- Yustisia, I., Arsyad, A., Natsir, R., Cangara, H., Patellongi, I., dan Suparman, D.D.N., 2021, Studi In Silico Potensi Anti Kanker Senyawa Turunan Kumarin Terhadap Protein Bcl-2, *Maj. Farm. Farmakol.*, 25, 84–87.
- Zafar, A., Khatoon, S., Khan, M.J., Abu, J., dan Naeem, A., 2025, Advancements and Limitations in Traditional Anti-Cancer Therapies: A Comprehensive Review of Surgery, Chemotherapy, Radiation Therapy, and Hormonal Therapy, *Discov. Oncol.*, 16(1).
- Zajaček, D., Dunárová, A., Bucinsky, L., dan Štekláč, M., 2024, Compromise in Docking Power of Liganded Crystal Structures of M^{pro} SARS-CoV-2 Surpasses 90% Success Rate, *J. Chem. Inf. Model.*, 64, 1628–1643.
- Zeighamian, V., Darabi, M., Akbarzadeh, A., Rahmati-Yamchi, M., Zarghami, N., Badrzadeh, F., Salehi, R., Mirakabad, F.S.T., dan Taheri-Anganeh, M., 2016, PNIPAAm-MAA Nanoparticles As Delivery Vehicles for Curcumin Against MCF-7 Breast Cancer Cells, *Artif. Cells Nanomed. Biotechnol.*, 44, 735–742.
- Zhang, G., Meng, F., Guo, Z., Guo, T., Peng, H., Xiao, J., Liu, B., Singh, V., Gui, S., York, P., Qian, W., Wu, L., dan Zhang, J., 2018, Enhanced Stability of Vitamin A Palmitate Microencapsulated by γ -Cyclodextrin Metal-Organic Frameworks, *J. Microencapsul.*, 35, 249–258.
- Zhang, H., Qi, H.Z., Li, Y.J., Shi, X.Y., Hu, M.L., Chen, X.L., dan Li, Y., 2024, Identification of Novel Inhibitors Targeting PI3K α Via Ensemble-Based Virtual Screening Method, Biological Evaluation and Molecular Dynamics Simulation, *J. Comput.-Aided Mol. Des.*, 38(1), 37.
- Zheng, Y., Bao, Z., Fan, Y., dan Wang, X., 2023, Spectrometric Study on The Hydrophobic Hydration in The Formation of Tween-60 Micelles with Curcumin, *J. Mol. Liq.*, 370, 1-7.
- Zhou, D.Y., Zhang, K., Conney, A.H., Ding, N., Cui, X.X., Wang, H., Verano, M., Zhao, S.Q., Fan, Y.X., Zheng, X., dan Du, Z.Y., 2013, Synthesis and Evaluation of Curcumin-Related Compounds Containing Benzyl Piperidone for Their Effects on Human Cancer Cells, *Chem. Pharm. Bull.*, 61(11), 1149-1155.
- Zou, J., Zhu, L., Jiang, X., Wang, Yang, Wang, Yue, Wang, X., Chen, B., Zou, J., Zhu, L., Jiang, X., Wang, Yang, Wang, Yue, Wang, X., dan Chen, B., 2018, Curcumin Increases Breast Cancer Cell Sensitivity to Cisplatin by Decreasing FEN1 Expression, *Oncotarget*, 9, 11268–11278.