



DAFTAR PUSTAKA

- Alkaf, S., (2016) Terapi Paliatif bagi Penderita Kanker Ginekologi. *J. Ked. Unila.* 1(2): 436-442.
- Anita, (2016) Terapi Paliatif dan Kualitas Hidup Penderita Kanker. *J. Kes.* 7(3): 508-513.
- Arisan, E. D., Akar, R. O., Rencuzogullari, O., Yerlikaya, P. O., Gurkan, A. C., Akin, B., Dener, E., Kayhan, E., Unsal, N. P., (2019) The Molecular Targets of Diclofenac Differs from Ibuprofen to Induce Apoptosis and Epithelial Mesenchymal Transition Due to Alteration on Oxidative Stress Management p53 Independently in PC3 Prostate Cancer Cells. *Prostate Int.* 7(4): 156-165.
- Barone, S., Buffone, C., Ferillo, M., Pasqua, F., Parotta, S., Salviati, M., Bennardo, F., Antonelli, A., (2022) Oral Malignant Non-Hodgkin Lymphoma: A Retrospective Single-Center Study. *IJERPH.* 19(2605): 1-10.
- Bittoni, M. A., Carbone, D. P., Harris, R. E., (2017) Ibuprofen and Fatal Lung Cancer: A Brief Report of The Prospective Results from The Third National Health and Nutrition Examination Survey (NHANES III). *MCO.* 6: 917-920.
- Behera, S. P., Tyagi, W., Saxena, R. K., (2023) Carboxyl Nanodiamonds Inhibit Melanoma Tumor Metastases by Blocking Cellular Motility and Invasiveness. *PNAS Nexus.* 2(11): 1-11.
- Bombardo, M., Malagola, E., Chen, R., Rudnicka, A., Graf, R., Sonda, S., (2018) Ibuprofen and Diclofenac Treatments Reduce Proliferation of Pancreatic Acinar Cells Upon Inflammatory Injury and Mitogenic Stimulation. *BJP.* 175: 335-347.
- Buranaamnuay, K., (2021) The MTT Assay Application to Measure The Viability of Spermatozoa: A Variety of The Assay Protocols. *Open Vet. J.* 11(2): 251-269.
- Collins, K., Jacks, T., Pavletich, N. P., (1997) The Cell Cycle and Cancer. *Proc. Natl. Acad. Sci.* 94(7): 2776-2778.
- Darusman, F., Tazkiyatunnisa, S. N., Aryani, R., (2021) Pengaruh Pembentukan Kompleks Inklusi Ibuprofen- β -Siklodekstrin Dengan Metode Kopresipitasi Terhadap Kelarutan dan Laju Disolusi. *JIF Farmasyifa.* 4(2): 12-21.
- Da Silva, E. F., Dos Santos, P. R., Fernandes, K. H. A., De Freitas, D. D. N., Zanin, R. F., Machado, P., Moura, S., De Souza, A. P. D., (2021) Cytotoxic Effects of Diclofenac and Ibuprofen Zinc (II)-Nicotinamide Ternary Complexes in Breast Cancer Cell Lines. *Braz. Arch. Biol. Technol.* 62: 1-12.
- Elmore, S., (2007) Apoptosis: A Review of Programmed Cell Death. *Toxicol Pathol.* 35(4): 495-516.
- Esteban, L. C. L., Fajas, L., (2020) Cell Cycle Regulators in Cancer Cell Metabolism. *BBA-Mol. Basis of Dis.* 1866(5): 1-10.
- Fares, F., Azzam, N., Fares, B., Larsen, S., Jensen, S. L., (2014) Benzene-Poly-Carboxylic Acid Complex, a Novel Anti-Cancer Agent Induces Apoptosis in Human Breast Cancer Cells. *PLoS ONE.* 9(2): 1-8.



- Fedr, R., Kahounová, Z., Remšík, J., Reiterová, M., Kalina, T., Souček, K., (2023) Variability of Fluorescence Intensity Distribution Measured by Flow Cytometry Is Influenced by Cell Size and Cell Cycle Progression. *Nat. Portofolio.* 13(4889): 1-13.
- Flick, E. D., Chan, K. A., Bracci, P. M., Holly, E. A., (2006) Use of Nonsteroidal Antiinflammatory Drugs and Non-Hodgkin Lymphoma: A Population-Based Case-Control Study. *Am. J. Epidemiol.* 164(5): 497-504.
- Freitas, R. de A., Barros, S. S. L. V., Quinderé, L. B., (2008) Oral Burkitt's Lymphoma – Case Report. *Rev. Bras. Otorrinolaringol.* 74(3): 458-61.
- Gálvez, S. G. S., Chiriti, J. A., Velez, L. G., Puente, E. R., Korzenny, E. K., Hernández, D. A. A., Kelly, G. F., Kobeh, L. G., López, R. V., (2018) Apoptosis: Activation and Inhibition in Health and Disease. *Med. Sci.* 6(54): 1-21.
- Ghasemi, M., Turnbull, T., Sebastian, S., 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.
- Ghlichloo I, Gerriets V. Nonsteroidal Anti-Inflammatory Drugs (NSAIDs) [Updated 2023 May 1]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK547742/>.
- Graham BS, Lynch DT. Burkitt Lymphoma. [Updated 2023 Aug 7]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK538148/>
- Granada, A. E., Jiménez, A., Ornstein, J. S., Blüthgen, N., Reber, S., Jambhekar, A., Lahav, G., (2020) The Effects of Proliferation Status and Cell Cycle Phase On The Responses Of Single Cells Chemotherapy. *Mol. Biol. Cell.* 31(8): 845-857.
- Grösch, S., Tegeder, I., Niederberger, E., Bräutigam, L., Geisslinger, G., (2001) COX-2 Independent Induction of Cell Cycle Arrest and Apoptosis in Colon Cancer Cells by The Selective COX-2 Inhibitior Celecoxib. *Faseb J.* 15(4): 1-22.
- Guo, Y., Chang, C., Hsu, W., Chiu, S., Tsai, Y., Chou, Y., Hou, M., Wang, J., Lee, M., Tsai, K., Chang, W., (2013) Indomethacin Inhibits Cancer Cell Migration via Attenuation of Cellular Calcium Mobilization. *Molecules.* 18(6): 6584-6596.
- Hanahan, D., (2022) Hallmarks of Cancer: New Dimensions. *AACR.* 12: 31-46.
- Harris, R. E., Donk, J. B., Doss, H., Doss, D. B., (2005) Aspirin, Ibuprofen, and Other Non-Steroidal Anti-Inflammatory Drugs in Cancer Prevention: A Critical Review of Non-Selective COX-2 Blockade (Review). *Oncol Rep.* 13: 559-583.
- Haryanti, S., Widiyastuti, Y., Sholikhah, I. Y. M., (2019) Efek Sinergis Kombinasi Ekstrak Etanolik Kayu Secang dan Rimpang Lempuyang pada Sel Kanker Payudara MCF-7. *J. Kefarmasian Indones.* 9(1): 1-9.
- Jamil A, Mukkamalla SKR. Lymphoma. [Updated 2023 Jul 17]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK560826/>



- Jan, R., Chaudhry, G. S., (2019) Understanding Apoptosis and Apoptotic Pathways Targeted Cancer Therapeutics. *Adv. Pharm. Bull.* 9(2): 205-218.
- Kalisz, K., Alessandrino, F., Beck, R., Smith, D., Kikano, E., Ramaiya, N. H., Tirumani, S. H., (2019) An Update on Burkitt Lymphoma: A Review of Pathogenesis and Multimodality Imaging Assessment of Disease Presentation, Treatment Response, and Recurrence. *Insights Imaging*. 10(56): 1-16.
- Kurniawan, P., Yusuf, M., (2014) Proses Metastasis Pada Keganasan Kepala Dan Leher. *J. THT*. 7(1): 37-46.
- Lee, W. H., Loo, C. Y., Rohanizadeh, R., (2019) Functionalizing the Surface of Hydroxyapatite Drug Carrier with Carboxylic Acid Groups to Modulate the Loading and Release of Curcumin Nanoparticles. *Mater. Sci. and Eng. C*. 99: 929-939.
- Leidgens, V., Seliger, C., Jachnik, B., Welz, T., Leukel, P., Zwerenz, A. V., Bogdahn, U., Kreutz, M., Grauer, O. M., Hau, P., (2015) Ibuprofen and Diclofenac Restrict Migration and Proliferation of Human Glioma Cells by Distinct Molecular Mechanism. *PLoS ONE*. 10(10): 1-23.
- Leoncini, L., Lazzi, S., Bellan, C., Tosi, P., (2002) Kinetika Sel dan Regulasi Siklus Sel Pada Limfoma. *J. Clin. Pathol*. 55(9): 648-655.
- Liu, Z., Liu, Y., Peng, D., (2015) Carboxylation of Multiwalled Carbon Nanotube Attenuated the Cytotoxicity by Limiting the Oxidative Stress Initiated Cell Membrane Integrity Damage, Cell Cycle Arrestment, and Death Receptor Mediated Apoptotic Pathway. *J. Biomed. Mater. Res.* 103A(8): 2770-2777.
- Mulki, M. A., Milanda, T., Barliana, M. I., (2020) Aplikasi Flow Cytometry dalam Bidang Imunologi: Review. *J. Kes*. 8(2): 69-77.
- McKinnon, K. M., (2019) Flow Cytometry: An Overview. *Curr Protoc Immunol*. 120(5.1.1-5.1.11): 1-16.
- Medawati, A., (2013) Karsinoma Sel Skuamosa Sebagai Salah Satu Kanker Rongga Mulut dan Permasalahannya. *Ins Dent J*. 2(1): 87-90.
- Mukherjee, O., Rakshit, S., Shanmugam, G., Sarkar, K., (2023) Role of Chemotherapeutic Drugs in Immunomodulation of Cancer. *Curr. Res. Immunol*. 4: 1-9.
- Ngo V. T. H., Bajaj T., Ibuprofen. [Updated 2023 May 29]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK542299/>
- Octavina, N., Zuhrotun. A., Chaerunnisa, A. Y., (2018) Aktivitas Senyawa Aktif *Michelia Champaca* Sebagai Inhibitor Topoisomerase Antikanker. *Farmaka*. 16(3): 185-195.
- Ogino MH, Tadi P. Cyclophosphamide. [Updated 2023 Jul 3]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK553087/>
- Ozleyen, A., Yilmaz, Y. B., Donmez, S., Atalay, H. N., Antika, G., Tumer, T. B., (2023) Looking at NSAID From a Historical Perspective and Their Current Status in Drug Repurposing for Cancer Treatment and Prevention. *J. of Cancer Res. and Clin. Oncol.* 149: 2095-2113.



- Parker, W. D., Jones, K., (2021) Burkitt's Lymphoma: an Unexpected Cause of Dental Pain. *J. Surg. Case Rep.* 2: 1-4.
- Puspita, N. A., (2016) Kemoprevensi Untuk Pencegahan Kanker: Fakta Atau Mitos?. *J. Ked. Syiah Kuala.* 16(2): 112-119.
- Rahmawati, A., Muti'ah, R., (2014) Potensi Ekstrak Daun Widuri (*Calotropis Gigantea*) Sebagai Obat Antikanker Fibrosarkoma. Malang: LP2M dan UIN-MALIKI PRESS. p. 10.
- Rayburn, E. R., Ezell, S. J., Zhang, R., (2009) Anti-Inflammatory Agents for Cancer Therapy. *Mol. Cell. Pharmacol.* 1(1): 29-43.
- Rusdi, N. K., Sari, E. N., Wulandari, N., (2023) Ketepatan Obat dan Potensi Interaksi Obat pada Pasien Kanker Paru di Rumah Sakit X Jawa Barat Periode 2019-2021. *J. Sains Kes.* 5(3): 313-323.
- Sachdeva, A., Dhawan, D., Jain, G. K., Yerer, M. B., Collignon, T. E., Tewari, D., Bishayee, A., (2022) Novel Strategies for The Bioavailability Augmentation and Efficacy Improvement of Natural Products in Oral Cancer. *Cancers.* 15 (268): 1-30.
- Seetha, A., Devaraj, H., Sudhandiran, G., (2020) Indomethacin and Juglone Inhibit Inflammatory Molecules to Induce Apoptosis in Colon Cancer Cells. *J. Biochem. Mol. Toxicol.* 34(2): 1-8.
- Shala, B. A., Tesfai, A., Costantinou, C., Leszczynski, R., Chan, M. V., Gashaw, H., Galaris, G., Mazi, S., Warner, T. D., Kirkby, N. S., Mitchell, J. A., (2017) Pharmaological Assesment of Ibuprofen Arginate on Platelet Aggregation and Colon Cancer Cell Killing. *BBRC.* 484: 762-766.
- Shen, W., Zhang, X., Du, R., Gao, W., Wang, J., Bao, Y., Yang, W., Luo, N., dan Li, J., (2020) Ibuprofen Mediates Histone Modification to Diminish Cancer Cell Stemness Properties via a COX2-Dependent Manner. *BJC.* 123: 730-741.
- Souhoka, F. A., Hattu, N., Huliselan, M., (2019) Uji Efektivitas Antioksidan Ekstrak Metanol Biji Kesumba Keling (*Bixa Orellana L.*). *Indo. J. Chem. Res.* 7(1): 25-31.
- Supriatno, (2020) S-Phase Kinase-Associated Protein-2 and Nuclear Factor-kappa Beta as Molecular Targets of Oral Burkitt's Lymphoma Cell Induced by Quinolinone Derivate-Vesnarinone. *Curr. Signal Transduct. Ther.* 15: 88-93.
- Supriatno, Yuletawati. S. E., (2015) Up-Regulation of S-Phase Kinase Associated Protein-2 Antisense Induces Cell Growth and Migration Chemotactic Suppression and Apoptosis in a Malignant Oral Burkitt's Lymphoma Cells. *ISJR.* 4(12): 1639-1644.
- Tseng, C. H., Wang, W. C., Chen, C. Y., Hsu, H. J., Chen, Y. K., (2021) Clinical Manifestations of Oral Lymphomas-Retrospective Study of 15 Cases in a Taiwanese Population and a Review of 592 Cases from the Literature. *J. Formos. Med. Assn.* 120: 361-370.
- Velma, V., Dasari, S. R., Tchounwou, P. B., (2016) Low Dose of Cisplatin Induce Gene Alterations, Cell Cycle Arrest, and Apoptosis in Human Promyelocytic Leukimia Cells. *Biomark. Insights.* 11: 113-121.
- Watuguly, T. W., Samsuria, I. K., (2018) *Aspek Dasar Molekuler Proliferasi dan Apoptosis.* Bandung: Alfabeta. pp 11-12.



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KENNY TSABITAH ZUHRA, Prof. drg. Supriatno, M.Kes., MDSc., Ph.D; drg. Hendri Susanto, M.Kes., Ph.D.
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Wahyuni. (2013) *Anticancer Activity of Curcuseone B, Jatrophone and Jatropholone A on Caspase-3 and p53 in Hela Cancer Cell*. Makassar: Tesis Fakultas Farmasi. pp 18.

Wong, T. S. C., Wiesenfeld, D., (2018) Oral Cancer. *Australian Dent. J.* 63(1): S9

Xiuhe, Lv., Chen, Z., Li, S., Xie, H., (2019) Knockdown of Cyclooxygenase-2 Leads to Growth Inhibition and Cell Cycle Arrest in Hepatocellular Carcinoma Cells. *Onco Targets Ther.* 12: 4341-4349.