

DAFTAR PUSTAKA

- American Cancer Society. (2017). 'Breast Cancer Treatment Guideline'. Atlanta: American Cancer Society
- Abdel-Hafiz, H. A. (2017) 'Epigenetic Mechanisms of Tamoxifen Resistance in Luminal Breast Cancer', *Diseases*, 5(3), p. 16. doi: 10.3390/diseases5030016.
- Ali, S. *et al.* (2016) 'Molecular mechanisms and mode of tamoxifen resistance in breast cancer', *Bioinformation*, 12(3), pp. 135–139. doi: 10.6026/97320630012135.
- Al-Ostoot, F. H. *et al.* (2021) 'Tumor angiogenesis: Current challenges and therapeutic opportunities', *Cancer Treatment and Research Communications*, 28, p. 100422. doi: 10.1016/j.ctarc.2021.100422.
- Amuamuta, A., Plengsuriyakarn, T. and Na-Bangchang, K. (2017) 'Anticholangiocarcinoma activity and toxicity of the Kaempferia galanga Linn. Rhizome ethanolic extract', *BMC complementary and alternative medicine*, 17(1), p. 213. doi: 10.1186/s12906-017-1713-4.
- Astuty, P. and Komari, N. (2022) 'Kajian Molecular Docking Senyawa Karwinaphthol B dari Tanaman Bawang Dayak (Eleutherine palmifolia (L.) Merr) sebagai Inhibitor Enzim Glukokinase', *Jurnal Natural Scientiae*, 2(1). doi: 10.20527/jns.v2i1.5412.
- Bedoya, D. and Mitsiades, N. (2013) 'Clinical appraisal of abiraterone in the treatment of metastatic prostatic cancer: Patient considerations, novel opportunities, and future directions', *OncoTargets and therapy*, 6, pp. 9–18. doi: 10.2147/OTT.S24941.
- Cancer (IARC), T. I. A. for R. on (no date) *Global Cancer Observatory*. Available at: <https://gco.iarc.fr/> (Accessed: 3 September 2022).
- Chen, M. *et al.* (2020) 'Androgen Receptor in Breast Cancer: From Bench to Bedside', *Frontiers in Endocrinology*, 11. Available at: <https://www.frontiersin.org/articles/10.3389/fendo.2020.00573> (Accessed: 26 February 2023).
- Chen, P., Li, B. and Ou-Yang, L. (2022) 'Role of estrogen receptors in health and disease', *Frontiers in Endocrinology*, 13. Available at:

<https://www.frontiersin.org/articles/10.3389/fendo.2022.839005> (Accessed: 24 March 2023).

- Diop, A. *et al.* (2022) ‘SH2 Domains: Folding, Binding and Therapeutical Approaches’, *International Journal of Molecular Sciences*, 23(24), p. 15944. doi: 10.3390/ijms232415944.
- Dermawan, D., Sumirtanurdin, R. and Dewantisari, D., 2019. Molecular dynamics simulation of estrogen receptor alpha against andrografolid as anti breast cancer simulasi dinamika molekular reseptor estrogen alfa dengan andrografolid sebagai anti kanker payudara. 6 (2).
- Edi, E. (2017) ‘Bioinformatika: Komputer, Statistika, Matematika, Biologi’, *Jurnal TIMES*, 6(1), pp. 23–25.
- Ekowati, J., Hardjono, S. and Hamid, I. S. (2015) ‘Ethyl p-methoxycinnamate from Kaempferia galanga inhibits angiogenesis through tyrosine kinase’, *Universa Medicina*, 4(1), pp. 43–51. doi:10.18051/UnivMed.2015.v34.43-51.
- Fareza, M. S. *et al.* (2017) ‘Transformation Of Ethyl-P Methoxycinnamate To P – Methoxycinnamic Acid From Kencur (Kaempferia Galanga L.) And Their Antibacterial Activity’, *Alchemy Jurnal Penelitian Kimia*, 13(2), pp. 176–190. doi:10.20961/alchemy.13.2.8472.176-190.
- Feng, Y. *et al.* (2018) ‘Breast cancer development and progression: Risk factors, cancer stem cells, signaling pathways, genomics, and molecular pathogenesis’, *Genes & Diseases*, 5(2), pp. 77–106. doi: 10.1016/j.gendis.2018.05.001.
- Gao, J. J. and Swain, S. M. (2018) ‘Luminal A Breast Cancer and Molecular Assays: A Review’, *The Oncologist*, 23(5), pp. 556–565. doi: 10.1634/theoncologist.2017-0535.
- Gfeller, D. *et al.* (2014) ‘SwissTargetPrediction: a web server for target prediction of bioactive small molecules’, *Nucleic Acids Research*, 42(Web Server issue), pp. W32–W38. doi: 10.1093/nar/gku293.
- Hermawan, A., Putri, H. and Utomo, R. Y. (2020) ‘Comprehensive bioinformatics study reveals targets and molecular mechanism of hesperetin in overcoming breast cancer chemoresistance’, *Molecular Diversity*, 24(4), pp. 933–947. doi: 10.1007/s11030-019-10003-2.

- Hermawan, A. *et al.* (2021) ‘Identification of potential therapeutic target of naringenin in breast cancer stem cells inhibition by bioinformatics and in vitro studies’, *Saudi Pharmaceutical Journal*, 29(1), pp. 12–26. doi: 10.1016/j.jsps.2020.12.002
- Hussain, Y. *et al.* (2022) ‘Flavonoids Targeting the mTOR Signaling Cascades in Cancer: A Potential Crosstalk in Anti-Breast Cancer Therapy’, *Oxidative Medicine and Cellular Longevity*, 2022, p. e4831833. doi: 10.1155/2022/4831833
- Irwin, M. E. *et al.* (2011) ‘Lipid raft localization of EGFR alters the response of cancer cells to the EGFR tyrosine kinase inhibitor gefitinib’, *Journal of Cellular Physiology*, 226(9), pp. 2316–2328. doi: 10.1002/jcp.22570.
- Jin, T., Yu, H. and Huang, X.F., 2016. Selective binding modes and allosteric inhibitory effects of lupane triterpenes on protein tyrosine phosphatase 1B. *Scientific Reports*, 6(1), pp.1-14.
- Joseph, C., Alsalem, M., Orah, N., Narasimha, P.L., Miligy, I.M., Kurozumi, S., Ellis, I.O., Mongan, N.P., Green, A.R. and Rakha, E.A., 2020. Elevated MMP9 expression in breast cancer is a predictor of shorter patient survival. *Breast cancer research and treatment*, 182, pp.267-282.
- Kciuk, M. *et al.* (2022) ‘Metastasis and MAPK Pathways’, *International Journal of Molecular Sciences*, 23(7), p. 3847. doi: 10.3390/ijms23073847.
- Kolch, W. and Pitt, A. (2010) ‘Functional proteomics to dissect tyrosine kinase signalling pathways in cancer’, *Nature Reviews Cancer*, 10(9), pp. 618–629. doi: 10.1038/nrc2900.
- Liao, Y. *et al.* (2019) ‘WebGestalt 2019: gene set analysis toolkit with revamped UIs and APIs’, *Nucleic Acids Research*, 47(W1), pp. W199–W205. doi: 10.1093/nar/gkz401.
- Liaw, A. E. *et al.* (2021) ‘Hubungan Antara Ekspresi Reseptor Estrogen, Progesteron dan Ki67 dengan Karakteristik Klinikopatologi pada Karsinoma Payudara Subtipe Luminal A’, *Sriwijaya Journal of Medicine*, 4(3), pp. 203–213. doi: 10.32539/SJM.v4i3.139.
- Liu, R. *et al.* (2022) ‘Human Protein Tyrosine Phosphatase 1B (PTP1B): From Structure to Clinical Inhibitor Perspectives’, *International Journal of*

- Molecular Sciences*, 23(13), p. 7027. doi: 10.3390/ijms23137027.
- Ma, J., Qin, L. and Li, X. (2020) ‘Role of STAT3 signaling pathway in breast cancer’, *Cell Communication and Signaling*, 18(1), p. 33. doi: 10.1186/s12964-020-0527-z.
- Mastura, E. Y., Asri, M. T. and Purnama, E. R. (2020) ‘Biokomputasi Aktivitas Senyawa D-alpha-Tocopherol dari Ekstrak Daun Zodia (Evodiasuaveolens) sebagai Antikanker secara In Silico’, *LenteraBio : Berkala Ilmiah Biologi*, 9(2), pp. 129–136. doi: 10.26740/lenterabio.v9n2.p129-136.
- Mitra, R. et al. (2011) ‘CYP3A4 Mediates Growth of Estrogen Receptor-positive Breast Cancer Cells in Part by Inducing Nuclear Translocation of Phospho-Stat3 through Biosynthesis of (\pm)-14,15-Epoxyeicosatrienoic Acid (EET) *’, *Journal of Biological Chemistry*, 286(20), pp. 17543–17559. doi: 10.1074/jbc.M110.198515.
- Mohan, K., Marthong, B., Atanu, B., Wadhwani, A., Gayathri, D., & Velmurugan, D. (2018). Identification and in-silico analysis of anti-cancer compounds from herbal mix of North-East India.
- Mohibi, S. et al. (2011) ‘Mouse models of estrogen receptor-positive breast cancer’, *Journal of carcinogenesis*, 10, p. 35. doi: 10.4103/1477-3163.91116.
- Nanto, S. S., Muhartono, M. and Wulan, A. J. (2018) ‘Peran Estrogen Receptor (ER), Progesteron Receptor (PR), dan Human Epidermal Growth Factor Receptor 2 (HER-2) untuk Memprediksi Stadium Klinis Kanker Payudara’, *Jurnal Agromedicine*, 4(2), pp. 256–259.
- Omar, M. N., Hasali, N. H. M. and Yarmo, M. A. (2016) ‘Cytotoxicity Activity of Biotransformed Ethyl p-methoxycinnamate by *Aspergillus niger*’, *Oriental Journal of Chemistry*, 32(5), pp. 2731–2734.
- Paterni, I. et al. (2014) ‘Estrogen Receptors Alpha (ER α) and Beta (ER β): Subtype-Selective Ligands and Clinical Potential’, *Steroids*, 0, pp. 13–29. doi: 10.1016/j.steroids.2014.06.012.
- Penning, T. M. (2017) ‘Aldo-Keto Reductase (AKR) 1C3 inhibitors: a patent review’, *Expert Opinion on Therapeutic Patents*, 27(12), pp. 1329–1340. doi: 10.1080/13543776.2017.1379503.
- Pratiwi, S. and Runadi, D. (2016) ‘Sintesis Oktil Para Metoksisinamat dari Bahan

- Baku Rimpang Kencur (Kaempferia galanga Rhizoma): Review', *Farmaka*, 14(3), pp. 109–118. doi: 10.24198/jf.v14i3.10725.
- Qiu, W. *et al.* (2007) 'Structure-based inhibitor design for an enzyme that binds different steroids: a potent inhibitor for human type 5 17beta-hydroxysteroid dehydrogenase', *The Journal of Biological Chemistry*, 282(11), pp. 8368–8379. doi: 10.1074/jbc.M606784200.
- Rena, S. R., Nurhidayah, N. and Rustan, R. (2022) 'Analisis Molecular Docking Senyawa Garcinia Mangostana L Sebagai Kandidat Anti SARS-CoV-2', *Jurnal Fisika Unand*, 11(1), pp. 82–88. doi: 10.25077/jfu.11.1.82-88.2022.
- Sari, I. W., Junaidin, J. and Pratiwi, D. (2020) 'Studi Molecular Docking Senyawa Flavonoid Herba Kumis Kucing (Orthosiphon stamineus B) Pada Reseptor Î±-Glukosidase Sebagai Antidiabetes Tipe 2', *Jurnal Farmagazine*, 7(2), pp. 54–60. doi:10.47653/farm.v7i2.1
- Sabitha, K. (2012) 'Nilotinib based pharmacophore models for BCRABL', *Bioinformation*, 8(14), pp. 658–663. doi: 10.6026/97320630008658.
- Setiawan, H. and Irawan, M. I. (2017) 'Kajian Pendekatan Penempatan Ligand Pada Protein Menggunakan Algoritma Genetika', *Jurnal Sains dan Seni ITS*, 6(2), pp. A68–A72. doi: 10.12962/j23373520.v6i2.25468.
- Singh, A. N., Baruah, M. M. and Sharma, N. (2017) 'Structure Based docking studies towards exploring potential anti-androgen activity of selected phytochemicals against Prostate Cancer', *Scientific Reports*, 7. doi: 10.1038/s41598-017-02023-5.
- Sivaganesh, Vignesh *et al.* (2021) 'Protein Tyrosine Phosphatases: Mechanisms in Cancer', *International Journal of Molecular Sciences*, 22(23), p. 12865. doi: 10.3390/ijms222312865.
- Soysal, S., Obermann, E.C., Gao, F., Oertli, D., Gillanders, W.E., Viehl, C.T. and Muenst, S., 2013. PTP1B expression is an independent positive prognostic factor in human breast cancer. *Breast cancer research and treatment*, 137, pp.637-644.
- Szklarczyk, D. *et al.* (2019) 'STRING v11: protein-protein association networks with increased coverage, supporting functional discovery in genome-wide experimental datasets', *Nucleic Acids Research*, 47(D1), pp. D607–D613.

- doi: 10.1093/nar/gky1131.
- Swamy, K. V. *et al.* (2011) ‘Molecular Docking Studies On Estrogen Receptor - α And Chalcone Derivatives’, *International Journal of Advances in Pharmacy and Biological Sciences (IJAPBS)*, 1, pp. 87–93.
- Tonks, N. K. and Muthuswamy, S. K. (2007) ‘A Brake Becomes an Accelerator: PTP1B—A New Therapeutic Target for Breast Cancer’, *Cancer Cell*, 11(3), pp. 214–216. doi: 10.1016/j.ccr.2007.02.022.
- Toss, A. *et al.* (2017) ‘Molecular Biomarkers for Prediction of Targeted Therapy Response in Metastatic Breast Cancer: Trick or Treat?’, *International Journal of Molecular Sciences*, 18(1), p. 85. doi: 10.3390/ijms18010085.
- Trabert, B. *et al.* (2019) ‘Progesterone and Breast Cancer’, *Endocrine Reviews*, 41(2), pp. 320–344. doi: 10.1210/endrev/bnz001.
- Umar, M. I. *et al.* (2014) ‘Ethyl-p-methoxycinnamate isolated from kaempferia galanga inhibits inflammation by suppressing interleukin-1, tumor necrosis factor-α, and angiogenesis by blocking endothelial functions’, *Clinics*, 69(2), pp. 134–144. doi: 10.6061/clinics/2014(02)10.
- Vantangoli, M.M., Madnick, S.J., Huse, S.M., Weston, P. and Boekelheide, K., 2015. MCF-7 human breast cancer cells form differentiated microtissues in scaffold-free hydrogels. *PloS one*, 10(8), p.e0135426.
- Yano, H. *et al.* (2020) ‘Discovery of potent and specific inhibitors targeting the active site of MMP-9 from the engineered SPINK2 library’, *PloS One*, 15(12), p. e0244656. doi: 10.1371/journal.pone.0244656.
- Yu, S. *et al.* (2017) ‘The T47D cell line is an ideal experimental model to elucidate the progesterone-specific effects of a luminal A subtype of breast cancer’, *Biochemical and Biophysical Research Communications*, 486(3), pp. 752–758. doi: 10.1016/j.bbrc.2017.03.114.
- Yunita, I., Tjandradiredja, K. and Hansun, S. (2016) ‘Perkembangan Bioinformatics dalam Ruang Lingkup Ilmu Komputer’, *Ultimatics : Jurnal Teknik Informatika*, 8(1), pp. 65–69. doi: 10.31937/ti.v8i1.505.
- Zhang, A. *et al.* (2021) ‘The Role of Ki67 in Evaluating Neoadjuvant Endocrine Therapy of Hormone Receptor-Positive Breast Cancer’, *Frontiers in Endocrinology*, 12. Available at: <https://www.frontiersin.org/articles/10.3389/fendo.2021.643311>

- endo.2021.687244 (Accessed: 2 January 2023).
- Zhao, H., Ou-Yang, F., Chen, I.F., Hou, M.F., Yuan, S.S.F., Chang, H.L., Lee, Y.C., Plattner, R., Waltz, S.E., Ho, S.M. and Sims, J., 2010. Enhanced resistance to tamoxifen by the c-ABL proto-oncogene in breast cancer. *Neoplasia*, 12(3), pp.214-IN3.
- Zubair, M. S., Maulana, S. and Mukaddas, A. (2020) 'Penambatan Molekuler dan Simulasi Dinamika Molekuler Senyawa Dari Genus Nigella Terhadap Penghambatan Aktivitas Enzim Protease HIV-1':, *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy) (e-Journal)*, 6(1), pp. 132–140. doi: 10.22487/j24428744.2020.v6.i1.14982.

