DAFTAR PUSTAKA

Agu, P. C., Afiukwa, C. A., Orji, O. U., Ezeh, E. M., Ofoke, I. H., Ogbu, C. O., Ugwuja, E. I., & Aja, P. M. (2023). Molecular docking as a tool for the discovery of molecular targets of nutraceuticals in diseases management. *Scientific Reports*, *13*(1). https://doi.org/10.1038/s41598-023-40160-2

Asma, S. T., Acaroz, U., Imre, K., Morar, A., Shah, S. R. A., Hussain, S. Z., Arslan-Acaroz, D., Demirbas, H., Hajrulai-Musliu, Z., Istanbullugil, F. R., Soleimanzadeh, A., Morozov, D., Zhu, K., Herman, V., Ayad, A., Athanassiou, C., & Ince, S. (2022). Natural Products/Bioactive Compounds as a Source of Anticancer Drugs. In *Cancers* (Vol. 14, Issue 24). MDPI. https://doi.org/10.3390/cancers14246203

Bissantz, C., Folkers, G., & Rognan, D. (2000). Protein-Based Virtual Screening of Chemical Databases. 1. Evaluation of Different Docking/Scoring Combinations. *Journal of Medicinal Chemistry*, *43*(25), 4759–4767. https://doi.org/10.1021/jm001044l

Brown, J. S., Amend, S. R., Austin, R. H., Gatenby, R. A., Hammarlund, E. U., & Pienta, K. J. (2023). Updating the Definition of Cancer. *Molecular Cancer Research*, *21*(11), 1142–1147. https://doi.org/10.1158/1541-7786.MCR-23-0411

da Silva Rocha, S. F. L., Olanda, C. G., Fokoue, H. H., & Sant'Anna, C. M. R. (2019). Virtual Screening Techniques in Drug Discovery: Review and Recent Applications. *Current Topics in Medicinal Chemistry*, *19*(19), 1751–1767. https://doi.org/10.2174/1568026619666190816101948

Dhasmana, A., Raza, S., Jahan, R., Lohani, M., & Arif, J. M. (2019). Chapter 19 - High-Throughput Virtual Screening (HTVS) of Natural Compounds and Exploration of Their Biomolecular Mechanisms: An In Silico Approach. In M. S. Ahmad Khan, I. Ahmad, & D. Chattopadhyay (Eds.), *New Look to Phytomedicine* (pp. 523–548). Academic Press. https://doi.org/https://doi.org/10.1016/B978-0-12-814619-4.00020-3

Feng, Y., Spezia, M., Huang, S., Yuan, C., Zeng, Z., Zhang, L., Ji, X., Liu, W., Huang, B., Luo, W., Liu, B., Lei, Y., Du, S., Vuppalapati, A., Luu, H. H., Haydon, R. C., He, T. C., & Ren, G. (2018). Breast cancer development and progression: Risk factors, cancer stem cells, signaling pathways, genomics, and molecular pathogenesis. In *Genes and Diseases* (Vol. 5, Issue 2, pp. 77–106). Chongqing University. https://doi.org/10.1016/j.gendis.2018.05.001

Ferreira, L. G., Dos Santos, R. N., Oliva, G., & Andricopulo, A. D. (2015). Molecular docking and structure-based drug design strategies. In *Molecules* (Vol. 20, Issue 7, pp. 13384–13421). MDPI AG. https://doi.org/10.3390/molecules200713384

Flores, M., Glusman, G., Brogaard, K., Price, N. D., & Hood, L. (2013). P4 medicine: How systems medicine will transform the healthcare sector and society. In *Personalized Medicine* (Vol. 10, Issue 6, pp. 565–576). https://doi.org/10.2217/pme.13.57

Giordano, D., Biancaniello, C., Argenio, M. A., & Facchiano, A. (2022). Drug Design by Pharmacophore and Virtual Screening Approach. In *Pharmaceuticals* (Vol. 15, Issue 5). MDPI. https://doi.org/10.3390/ph15050646

Herlina, T. (2009). Senyawa Antikanker Dari Dadap Ayam (Erythrina Variegata). *Indonesian Journal of Cancer*, *3*(4).

Ikhuoria, E. B., & Bach, C. (2018). Introduction to Breast Carcinogenesis – Symptoms, Risks factors, Treatment and Management. *European Journal of Engineering Research and Science*, *3*(7), 58. https://doi.org/10.24018/ejers.2018.3.7.745

Kastritis, P. L., & Bonvin, A. M. J. J. (2013). On the binding affinity of macromolecular interactions: Daring to ask why proteins interact. In *Journal of the Royal Society Interface* (Vol. 10, Issue 79). Royal Society. https://doi.org/10.1098/rsif.2012.0835

Kumar, S., Deepika, D., & Kumar, V. (2022). Pharmacophore Modeling Using Machine Learning for Screening the Blood–Brain Barrier Permeation of Xenobiotics. *International Journal of Environmental Research and Public Health*, *19*(20). https://doi.org/10.3390/ijerph192013471

Lee, J. Y., Krieger, J. M., Li, H., & Bahar, I. (2020). Pharmmaker: Pharmacophore modeling and hit identification based on druggability simulations. *Protein Science*, *29*(1), 76–86. https://doi.org/10.1002/pro.3732

Lin, X., Li, X., & Lin, X. (2020). A review on applications of computational methods in drug screening and design. In *Molecules* (Vol. 25, Issue 6). MDPI AG. https://doi.org/10.3390/molecules25061375

Lipsick, J. (2020). A history of cancer research: Tumor suppressor genes. *Cold Spring Harbor Perspectives in Biology*, *12*(2). https://doi.org/10.1101/cshperspect.a035907

Łukasiewicz, S., Czeczelewski, M., Forma, A., Baj, J., Sitarz, R., & Stanisławek, A. (2021). Breast cancer—epidemiology, risk factors, classification, prognostic markers, and current treatment strategies—An updated review. In *Cancers* (Vol. 13, Issue 17). MDPI. https://doi.org/10.3390/cancers13174287

Maria, I. L., Sainal, A. A., & Nyorong, M. (2017). RISIKO GAYA HIDUP TERHADAP KEJADIAN KANKER PAYUDARA PADA WANITA Lifestyle Risk Factors of Women with Breast Cancer. In *JURNAL MKMI* (Vol. 13, Issue 2).

Mitchison, T. J. (2012). The proliferation rate paradox in antimitotic chemotherapy. In *Molecular Biology of the Cell* (Vol. 23, Issue 1, pp. 1–6). https://doi.org/10.1091/mbc.E10-04-0335

Moo, T. A., Sanford, R., Dang, C., & Morrow, M. (2018). Overview of Breast Cancer Therapy. In *PET Clinics* (Vol. 13, Issue 3, pp. 339–354). W.B. Saunders. https://doi.org/10.1016/j.cpet.2018.02.006

Muchtaridi, M., Syahidah, H. N., Subarnas, A., Yusuf, M., Bryant, S. D., & Langer, T. (2017). Molecular docking and 3D-pharmacophore modeling to study the interactions of chalcone derivatives with estrogen receptor alpha. *Pharmaceuticals*, *10*(4). https://doi.org/10.3390/ph10040081

Muttaqin, F. Z., Kharisma, D., Asnawi, A., & Kurniawan, F. (2020). Pharmacophore and Molecular Docking-Based Virtual Screening of B-Cell Lymphoma 2 (BCL 2) Inhibitor

from Zinc Natural Database as Anti-Small Cell Lung Cancer. *Journal of Drug Delivery and Therapeutics*, *10*(2), 143–147. https://doi.org/10.22270/jddt.v10i2.3923

Ng, B., Puspitaningtyas, H., Wiranata, J. A., Hutajulu, S. H., Widodo, I., Anggorowati, N., Sanjaya, G. Y., Lazuardi, L., & Sripan, P. (2023). Breast cancer incidence in Yogyakarta, Indonesia from 2008–2019: A cross-sectional study using trend analysis and geographical information system. *PLoS ONE*, *18*(7 JULY). https://doi.org/10.1371/journal.pone.0288073

Opo, F. A. D. M., Alkarim, S., Alrefaei, G. I., Molla, M. H. R., Alsubhi, N. H., Alzahrani, F., & Ahammad, F. (2022). Pharmacophore-Model-Based Virtual-Screening Approaches Identified Novel Natural Molecular Candidates for Treating Human Neuroblastoma. *Current Issues in Molecular Biology*, *44*(10), 4838–4858. https://doi.org/10.3390/cimb44100329

Perricone, U., Wieder, M., Seidel, T., Langer, T., Padova, A., Almerico, A. M., & Tutone, M. (2017). A Molecular Dynamics–Shared Pharmacophore Approach to Boost Early-Enrichment Virtual Screening: A Case Study on Peroxisome Proliferator-Activated Receptor α. *ChemMedChem*, *12*(16), 1399–1407. https://doi.org/10.1002/cmdc.201600526

Réau, M., Langenfeld, F., Zagury, J. F., Lagarde, N., & Montes, M. (2018). Decoys selection in benchmarking datasets: Overview and perspectives. In *Frontiers in Pharmacology* (Vol. 9, Issue JAN). Frontiers Media S.A. https://doi.org/10.3389/fphar.2018.00011

Rondanina, G., Puntoni, M., Guerrieri-Gonzaga, A., Marra, D., Bonanni, B., & DeCensi, A. (2017). Worry and risk perception of breast cancer in a prevention trial of low dose tamoxifen in midlife postmenopausal hormone users. *Breast*, *34*, 108–114. https://doi.org/10.1016/j.breast.2017.05.008

Sangande, F., & Uneputty, J. P. (2021). IDENTIFIKASI SENYAWA BAHAN ALAM SEBAGAI INHBITOR TIROSIN KINASE EGFR: SKRINING IN SILICO BERBASIS FARMAKOFOR DAN MOLECULAR DOCKING. *Jurnal Fitofarmaka Indonesia*, *8*(1), 1–6. https://doi.org/10.33096/jffi.v8i1.539

Sorokina, M., Merseburger, P., Rajan, K., Yirik, M. A., & Steinbeck, C. (2021). COCONUT online: Collection of Open Natural Products database. *Journal of Cheminformatics*, *13*(1). https://doi.org/10.1186/s13321-020-00478-9

Susilawati, E., Levita, J., Susilawati, Y., & Sumiwi, S. A. (2023). Pharmacology activity, toxicity, and clinical trials of Erythrina genus plants (Fabaceae): an evidence-based review. In *Frontiers in Pharmacology* (Vol. 14). Frontiers Media SA. https://doi.org/10.3389/fphar.2023.1281150

Tiwari, A., & Singh, S. (2022). Chapter 13 - Computational approaches in drug designing. In D. B. Singh & R. K. Pathak (Eds.), *Bioinformatics* (pp. 207–217). Academic Press. https://doi.org/https://doi.org/10.1016/B978-0-323-89775-4.00010-9

Torres, P. H. M., Sodero, A. C. R., Jofily, P., & Silva-Jr, F. P. (2019). Key topics in molecular docking for drug design. In *International Journal of Molecular Sciences* (Vol. 20, Issue 18). MDPI AG. https://doi.org/10.3390/ijms20184574

Turkoz, F. P., Solak, M., Petekkaya, I., Keskin, O., Kertmen, N., Sarici, F., Arik, Z., Babacan, T., Ozisik, Y., & Altundag, K. (2013). Association between common risk factors and molecular subtypes in breast cancer patients. *Breast*, *22*(3), 344–350. https://doi.org/10.1016/j.breast.2012.08.005

Upadhyay, A. (2021). Cancer: An unknown territory; rethinking before going ahead. In *Genes and Diseases* (Vol. 8, Issue 5, pp. 655–661). Chongqing University. https://doi.org/10.1016/j.gendis.2020.09.002

Uribe, M. L., Marrocco, I., & Yarden, Y. (2021). *cancers EGFR in Cancer: Signaling Mechanisms, Drugs, and Acquired Resistance*. https://doi.org/10.3390/cancers

Vaishali Rai, M., Pai, V. R., Kevin, S., & Kedilaya, H. P. (2017). In vitro evaluation of anticancer potential of Erythrina variegata L. On breast cancer cell lines. *Asian Journal of Pharmaceutical and Clinical Research*, *10*(7), 305–310. https://doi.org/10.22159/ajpcr.2017.v10i7.18409

Valle, I., Tramalloni, D., & Bragazzi, L. (2015). Cancer prevention: state of the art and future prospects. In *J prev med hyg* (Vol. 56).

Vázquez, J., Deplano, A., Herrero, A., Ginex, T., Gibert, E., Rabal, O., Oyarzabal, J., Herrero, E., & Luque, F. J. (2018). Development and Validation of Molecular Overlays Derived from Three-Dimensional Hydrophobic Similarity with PharmScreen. *Journal of Chemical Information and Modeling*, *58*(8), 1596–1609. https://doi.org/10.1021/acs.jcim.8b00216

Zhang, P. W., Chen, L., Huang, T., Zhang, N., Kong, X. Y., & Cai, Y. D. (2015). Classifying ten types of major cancers based on reverse phase protein array profiles. *PLoS ONE*, *10*(3). https://doi.org/10.1371/journal.pone.0123147