

DAFTAR PUSTAKA

- Abbas, S. Y., Al-Harbi, R. A. K., & Sh El-Sharief, M. A. M. (2020). Synthesis And Anticancer Activity Of Thiourea Derivatives Bearing A Benzodioxole Moiety With Egfr Inhibitory Activity, Apoptosis Assay And Molecular Docking Study. *European Journal Of Medicinal Chemistry*, 198. <https://doi.org/10.1016/j.ejmech.2020.112363>
- Ambarsari, L., & Sumaryada, T. I. (N.D.). Simulasi Docking Senyawa Kurkumin Dan Analognya Sebagai Inhibitor Reseptor Androgen Pada Kanker Prostat. In *Current Biochemistry E-Issn*.
- Awang Ngah, F. A., Zakariah, E. I., Hassan, N. I., Yamin, B., Sapari, S., & Hasbullah, S. A. (2017). Sintesis Sebatian Terbitan Thiourea Dan Sifat Pengikatan Terhadap Ion Merkuri. *Malaysian Journal Of Analytical Sciences*, 21(6), 1226–1234. <https://doi.org/10.17576/mjas-2017-2106-03>
- Balatif, R., & Sukma, A. A. M. (2021). Memahami Kaitan Gaya Hidup Dengan Kanker: Sebagai Langkah Awal Pencegahan Kanker. *Scripta Score Scientific Medical Journal*, 3(1), 40–50. <https://doi.org/10.32734/scripta.v3i1.4506>
- Bhaliya, J., & Shah, V. R. (2020). Shah Vraj. In *International Journal Of Technology And Globalisation*. www.ijariit.com
- Bielenica, A., Drzewiecka-Antonik, A., Rejmak, P., Stefańska, J., Koliński, M., Kmiecik, S., Lesyng, B., Włodarczyk, M., Pietrzyk, P., & Struga, M. (2018). Synthesis, Structural And Antimicrobial Studies Of Type Ii Topoisomerase-Targeted Copper(Ii) Complexes Of 1,3-Disubstituted Thiourea Ligands. *Journal Of Inorganic Biochemistry*, 182, 61–70. <https://doi.org/10.1016/j.jinorgbio.2018.01.005>
- Burgeson, J. R., Moore, A. L., Boutilier, J. K., Cerruti, N. R., Gharaibeh, D. N., Lovejoy, C. E., Amberg, S. M., Hruby, D. E., Tyavanagimatt, S. R., Allen, R. D., & Dai, D. (2012). SAR Analysis Of A Series Of Acylthiourea Derivatives Possessing Broad-Spectrum Antiviral Activity. *Bioorganic And Medicinal Chemistry Letters*, 22(13), 4263–4272. <https://doi.org/10.1016/j.bmcl.2012.05.035>
- Burley, S. K., Berman, H. M., Bhikadiya, C., Bi, C., Chen, L., Di Costanzo, L., Christie, C., Duarte, J. M., Dutta, S., Feng, Z., Ghosh, S., Goodsell, D. S., Green, R. K., Guranovic, V., Guzenko, D., Hudson, B. P., Liang, Y., Lowe, R., Peisach, E., Ioannidis, Y. E. (2019). Protein Data Bank: The Single Global Archive For 3d Macromolecular Structure Data. *Nucleic Acids Research*, 47(D1), D520–D528. <https://doi.org/10.1093/nar/gky949>
- Dingess, K. A., Valentine, C. J., Ollberding, N. J., Davidson, B. S., Woo, J. G., Summer, S., Peng, Y. M., Guerrero, M. L., Ruiz-Palacios, G. M., Ran-Ressler,

- R. R., McMahon, R. J., Brenna, J. T., & Morrow, A. L. (2017). Branched-Chain Fatty Acid Composition Of Human Milk And The Impact Of Maternal Diet: The Global Exploration Of Human Milk (Gehm) Study. *American Journal Of Clinical Nutrition*, 105(1), 177–184. <https://doi.org/10.3945/ajcn.116.132464>
- Doğan, Ş. D., Gündüz, M. G., Doğan, H., Krishna, V. S., Lherbet, C., & Sriram, D. (2020). Design And Synthesis Of Thiourea-Based Derivatives As Mycobacterium Tuberculosis Growth And Enoyl Acyl Carrier Protein Reductase (Inha) Inhibitors. *European Journal Of Medicinal Chemistry*, 199. <https://doi.org/10.1016/j.ejmech.2020.112402>
- Dr. Sony Prabowo. (2019). *Kenali Kanker Usus Besar (Kolorektal) Sejak Dini* (Fi. Sigir Suryantoro, Ed.; 1st Ed.). Rapha Publishing.
- Farhani, I., Nezafat, N., & Mahmoodi, S. (2019). Designing A Novel Multi-Epitope Peptide Vaccine Against Pathogenic Shigella Spp. Based Immunoinformatics Approaches. *International Journal Of Peptide Research And Therapeutics*, 25(2), 541–553. <https://doi.org/10.1007/s10989-018-9698-5>
- Gasser, G., Ott, I., & Metzler-Nolte, N. (2011). Organometallic Anticancer Compounds. In *Journal Of Medicinal Chemistry* (Vol. 54, Issue 1, Pp. 3–25). <https://doi.org/10.1021/jm100020w>
- Ghanbari, Z., Housaindokht, M. R., Izadyar, M., Bozorgmehr, M. R., Eshtiagh-Hosseini, H., Bahrami, A. R., Matin, M. M., & Khoshkholgh, M. J. (2014). Structure-Activity Relationship For Fe(III)-Salen-Like Complexes As Potent Anticancer Agents. *The Scientific World Journal*, 2014. <https://doi.org/10.1155/2014/745649>
- Gou, Y., Wang, J., Chen, S., Zhang, Z., Zhang, Y., Zhang, W., & Yang, F. (2016). A–N–Heterocyclic Thiosemicarbazone Fe(III) Complex: Characterization Of Its Antitumor Activity And Identification Of Anticancer Mechanism. *European Journal Of Medicinal Chemistry*, 123, 354–364. <https://doi.org/10.1016/j.ejmech.2016.07.041>
- Hanahan And Weinberg, 2011. (N.D.).
- Herlina, R., & Supratman, T. (N.D.). *Isolasi Dan Molecular Docking Senyawa 6,7-Dihidro-17-Hidroksierisotrin Dari Daun Dadap Belendung (Erythrina Poeppigiana) Terhadap Aktivitas Sitotoksik Antikanker Payudara MCF-7* (Vol. 6).
- Kemenkes RI. (2019). *Beban Kanker Di Indonesia*. In *Kementrian Kesehatan RI*.
- Kondori, T., Akbarzadeh-T, N., Dušek, M., & Eigner, V. (2019). A Novel Iron(III) Complex: Synthesis, Spectra, X-Ray Structure Photoluminescence Study, And Antibacterial Properties. *Chemical Papers*, 73(7), 1639–1646. <https://doi.org/10.1007/s11696-019-00715-y>

- Krihariyani, D., Sasongkowati, R., & Haryanto, · Edy. (N.D.). *Studi In Silico Sifat Farmakokinetik, Toksisitas, Dan Aktivitas Imunomodulator Brazilein Kayu Secang Terhadap Enzim 3-Chymotrypsin-Like Cysteine Protease Coronavirus*.
- Kumar, S., Sharma, P. P., Shankar, U., Kumar, D., Joshi, S. K., Pena, L., Durvasula, R., Kumar, A., Kempaiah, P., Poonam, & Rathi, B. (2020). Discovery Of New Hydroxyethylamine Analogs Against 3clproprotein Target Of Sars-Cov-2: Molecular Docking, Molecular Dynamics Simulation, And Structure-Activity Relationship Studies. *Journal Of Chemical Information And Modeling*, 60(12), 5754–5770. <https://doi.org/10.1021/acs.jcim.0c00326>
- Kusuma¹, A. T., & Hadi², D. (2019). Virtual Screening Natural Compounds From Plants As Inhibitor Of Estrogen Receptor Alpha I (Esr1). In *Indonesian Journal Of Pharmaceutical Science And Technology Journal Homepage* (Issue 1). <http://jurnal.unpad.ac.id/ijpst/>
- Laskowski, R. A., & Swindells, M. B. (2011). Ligplot+: Multiple Ligand-Protein Interaction Diagrams For Drug Discovery. *Journal Of Chemical Information And Modeling*, 51(10), 2778–2786. <https://doi.org/10.1021/ci200227u>
- Lichota, A., & Gwozdziński, K. (2018). Anticancer Activity Of Natural Compounds From Plant And Marine Environment. In *International Journal Of Molecular Sciences* (Vol. 19, Issue 11). MdpI Ag. <https://doi.org/10.3390/ijms19113533>
- Matos, C. P., Adiguzel, Z., Yildizhan, Y., Cevatemre, B., Onder, T. B., Cevik, O., Nunes, P., Ferreira, L. P., Carvalho, M. D., Campos, D. L., Pavan, F. R., Pessoa, J. C., Garcia, M. H., Tomaz, A. I., Correia, I., & Acilan, C. (2019). May Iron(III) Complexes Containing Phenanthroline Derivatives As Ligands Be Prospective Anticancer Agents? *European Journal Of Medicinal Chemistry*, 176, 492–512. <https://doi.org/10.1016/j.ejmech.2019.04.070>
- Mishra, A., Batchu, H., Srivastava, K., Singh, P., Shukla, P. K., & Batra, S. (2014). Synthesis And Evaluation Of New Diaryl Ether And Quinoline Hybrids As Potential Antiplasmodial And Antimicrobial Agents. *Bioorganic And Medicinal Chemistry Letters*, 24(7), 1719–1723. <https://doi.org/10.1016/j.bmcl.2014.02.044>
- Mojžišová, G., Mojžiš, J., & Vašková, J. (2014). *Organometallic Iron Complexes As Potential Cancer Therapeutics*. www.actabp.pl
- Noviardi, H., Studi Farmasi, P., & Tinggi Teknologi Industri Dan Farmasi Bogor, S. (2015). *Potensi Senyawa Bullatalisin Sebagai Inhibitor Protein Leukotrien A4 Hidrolase Pada Kanker Kolon Secara In Silico* (Vol. 5, Issue 2). <http://www.rscb.org/pdb/>
- Pingaew, R., Sinthupoom, N., Mandi, P., Prachayasittikul, V., Cherdtrakulkiat, R., Prachayasittikul, S., Ruchirawat, S., & Prachayasittikul, V. (2017). Synthesis, Biological Evaluation And In Silico Study Of Bis-Thiourea Derivatives As

- Anticancer, Antimalarial And Antimicrobial Agents. *Medicinal Chemistry Research*, 26(12), 3136–3148. <https://doi.org/10.1007/S00044-017-2008-5>
- Pires, D. E. V., Blundell, T. L., & Ascher, D. B. (2015). PkcsM: Predicting Small-Molecule Pharmacokinetic And Toxicity Properties Using Graph-Based Signatures. *Journal Of Medicinal Chemistry*, 58(9), 4066–4072. <https://doi.org/10.1021/acs.jmedchem.5b00104>
- Prof. Muchtaridi, Ph. D. , A., Dr. Arry Yanuar, A., Sandra Megantara, M. Farm. , A., & Dr. Hari Purnomo, A. (2018). *Kimia Medisinal Dasar - Dasar Daalam Perancangan Obat* (Irfab Fahmi & Suwisto, Eds.; 1st Ed.). Prenadamedia Group.
- Richard Silverman. (2004). *The Organic Chemistry Of Drug Design And Drug Action* (2 Nd). Academic Press.
- Rizky Arcintha, Rachmania, & Supandi. (2015). Analisis In-Silico Senyawa Diterpenoid Lakton Herba Sambiloto (*Andrographis paniculata* Nees) Pada Reseptor Alpha-Glucosidase sebagai Antidiabetes Tipe II. *Pharmacy*, 12(Issn 1693-3591).
- Ronchetti, R., Moroni, G., Carotti, A., Gioiello, A., & Camaioni, E. (2021). Recent Advances In Urea- And Thiourea-Containing Compounds: Focus On Innovative Approaches In Medicinal Chemistry And Organic Synthesis. In *Rsc Medicinal Chemistry* (Vol. 12, Issue 7, Pp. 1046–1064). Royal Society Of Chemistry. <https://doi.org/10.1039/D1md00058f>
- Ruswanto. (2014). Desain Dan Studi Interaksisenyawa N'-(3,5-Dinitrobenzoyl)-Isonicotinohidrazide pada Mycobacterium Tuberculosis Enoyl-Acyl Carrier Protein Reductase (InhA). *Ruswanto*, 12(1).
- Ruswanto, R., Mardianingrum, R., Lestari, T., Nofianti, T., & Siswandono, S. (2018). 1-(4-Hexylbenzoyl)-3-Methylthiourea. In *Molbank* (Vol. 2018, Issue 3). Mdp Ag. <https://doi.org/10.3390/M1005>
- Ruswanto, R., Mardianingrum, R., Yeni Apriliani, A., Kurnia Ramdaniah, F., Sarwatiningsih, Y., Tri Kusuma Pratita, A., Sri Nuryani, G., Rahayuningsih, N., Lindaswastuti, L., Sri Rahayu, S., Trisna Wulandari, W., & Lihandini, G. (2018). Karakterisasi Dan Sintesis. In *Journal Of Pharmacopolium* (Vol. 1, Issue 2).
- Ruswanto, R., Stikes, R., Tunas, B., & Tasikmalaya, H. (N.D.). *Simulasi Dinamika Molekular Senyawa Pyridin Pada Protein 2xnB Sebagai Antikanker Menggunakan Aplikasi Gromas Qsar And Molecular Modeling Of Urea And Thiourea Derivatives View Project*. <https://www.researchgate.net/publication/335601273>
- Ruswanto, R., Trisna Wulandari, W., Mardianingrum, R., & Cantika, I. (2021). Synthesis And Virtual Screening Of Bis-(4-(Tert-Butyl)-N-

- (Methylcarbamothioyl) Benzamide) Iron (Iii) Complex As An Anticancer Candidate. *Pharmaciana*, 11(1), 1. <https://doi.org/10.12928/Pharmaciana.V11i1.17837>
- Ruswanto, Siswandono, Richa M, Tita N, & Tresna L. (N.D.). *Molecular Docking Of 1-Benzoyl-3-Methylthiourea As Anti Cancer Candidate And Its Absorption, Distribution, And Toxicity Prediction*. <http://preadmet.bmdrc.org/>.
- Soliman, S. M., Al-Rasheed, H. H., Albering, J. H., & El-Faham, A. (2020). Fe(III) Complexes Based On Mono-And Bis-Pyrazolyl-S-Triazine Ligands: Synthesis, Molecular Structure, Hirshfeld, And Antimicrobial Evaluations. *Molecules*, 25(23). <https://doi.org/10.3390/Molecules25235750>
- Sung, H., Ferlay, J., Siegel, R. L., Laversanne, M., Soerjomataram, I., Jemal, A., & Bray, F. (2021). Global Cancer Statistics 2020: Globocan Estimates Of Incidence And Mortality Worldwide For 36 Cancers In 185 Countries. *Ca: A Cancer Journal For Clinicians*, 71(3), 209–249. <https://doi.org/10.3322/Caac.21660>
- Tandi Toding, A., Awaluddin Sekolah Tinggi Ilmu Farmasi, A., & Kemerdekaan, J. P. (2016). *In-Silico Study Chalcone And Pyrimidine Analog Derivatives As Anti-Inflammation: Prediction Of Absorption, Distribution, And Toxicity*. 13(01). <http://www.chemaxon.com/>
- Vinsiah, R., & Fadhillah, F. (2018). Studi Ikatan Hidrogen Sistem Metanol-Metanol Dan Etanol-Etanol Dengan Metode Molekular Dinamik. *Sainmatika: Jurnal Ilmiah Matematika Dan Ilmu Pengetahuan Alam*, 15(1), 14. <https://doi.org/10.31851/Sainmatika.V15i1.1739>
- Wardaniati, I., & Azhari Herli, M. (2018). Studi Molecular Docking Senyawa Golongan Flavonol Sebagai Antibakteri. *Jops (Journal Of Pharmacy And Science)*, 1(2), 20–27. <https://doi.org/10.36341/Jops.V1i2.489>
- Yuan, S., Chan, H. C. S., & Hu, Z. (2017). Using Pymol As A Platform For Computational Drug Design. In *Wiley Interdisciplinary Reviews: Computational Molecular Science* (Vol. 7, Issue 2). Blackwell Publishing Inc. <https://doi.org/10.1002/Wcms.1298>
- Zhang, P., & Sadler, P. J. (2017). Redox-Active Metal Complexes For Anticancer Therapy. In *European Journal Of Inorganic Chemistry* (Vol. 2017, Issue 12, Pp. 1541–1548). Wiley-Vch Verlag. <https://doi.org/10.1002/Ejic.201600908>
- Zullies Ikawati. (2018). *Farmakologi Molekuler: Target Aksi Obat Dan Mekanisme Molekulernya* (Zullies Ikawati, Ed.; 1st Ed.). Ugm Press.