

## DAFTAR PUSTAKA

- Alhazzani, W. dkk. (2020) *Surviving Sepsis Campaign: guidelines on the management of critically ill adults with Coronavirus Disease 2019 ( COVID - 19 )*, *Intensive Care Medicine*. Springer Berlin Heidelberg. doi: 10.1007/s00134-020-06022-5.
- Ashour, H. M. dkk. (2020) “Insights into the Recent 2019 Novel Coronavirus (SARS-CoV-2) in Light of Past Human Coronavirus Outbreaks,” *Pathogens*, 9(3), hal. 186. doi: 10.3390/pathogens9030186.
- Bassetti, M., Vena, A. dan Giacobbe, D. R. (2020) “The novel Chinese coronavirus (2019-nCoV) infections: Challenges for fighting the storm,” *European Journal of Clinical Investigation*, 50(3). doi: 10.1111/eci.13209.
- Bosch, B. J. dkk. (2003) “The Coronavirus Spike Protein Is a Class I Virus Fusion Protein: Structural and Functional Characterization of the Fusion Core Complex,” *Journal of Virology*, 77(16), hal. 8801–8811. doi: 10.1128/JVI.77.16.8801-8811.2003.
- Bresnick, S. M. D. (2004) *Intisari Kimia Organik*. Jakatra: Penerbit Hipokrates.
- Chan, J. F.-W. dkk. (2020) “A familial cluster of pneumonia associated with the 2019 novel coronavirus indicating person-to-person transmission: a study of a family cluster,” *The Lancet*, 395(10223), hal. 514–523. doi: 10.1016/S0140-6736(20)30154-9.
- Cubuk, H. dan Ozbil, M. (2020) “Comparison of Clinically Approved Molecules on SARS-CoV-2 Drug Target Proteins: A Molecular Docking Study.” doi: 10.26434/chemrxiv.12090828.v1.
- Cui, J., Li, F. dan Shi, Z.-L. (2019) “Origin and evolution of pathogenic coronaviruses,” *Nature Reviews Microbiology*, 17(3), hal. 181–192. doi: 10.1038/s41579-018-0118-9.
- Devaux, C. A. dkk. (2020) “New insights on the antiviral effects of chloroquine against coronavirus: what to expect for COVID-19?,” *International Journal of Antimicrobial Agents*, 55(5). doi: 10.1016/j.ijantimicag.2020.105938.
- Du, L. dkk. (2009) “The spike protein of SARS-CoV - A target for vaccine and therapeutic development,” *Nature Reviews Microbiology*, 7(3), hal. 226–236.

- Ferwadi, S., Gunawan, R. dan Astuti, W. (2017) "Studi Docking Molekular Senyawa Asam Sinamat Dan Derivatnya Sebagai Inhibitor Protein 1J4X Pada Sel Kanker Serviks," *Jurnal Kimia Mulawarman*, 14(2), hal. 85–90.
- Ghosh, A. K. dkk. (2020) "Drug Development and Medicinal Chemistry Efforts toward SARS-Coronavirus and Covid-19 Therapeutics," *ChemMedChem*, 15(11), hal. 907–932. doi: 10.1002/cmdc.202000223.
- Hardjono, S., Diyah, N. W. dan Press, A. U. (2017) *Obat Antikanker*. Airlangga University Press..
- Kaapro, A. dan Ojanen, J. (2002) "Protein docking."
- Khaerunnisa, S. dkk. (2020) "Potential Inhibitor of COVID-19 Main Protease (M<sub>pro</sub>) from Several Medicinal Plant Compounds by Molecular Docking Study," *Preprints*, (March), hal. 1–14.
- Leach, A. R., Shoichet, B. K. dan Peishoff, C. E. (2006) "Prediction of Protein-Ligand Interactions. Docking and Scoring: Successes and Gaps," *Journal of Medicinal Chemistry*, 49(20), hal. 5851–5855. doi: 10.1021/jm060999m.
- Li, F. (2016) "Structure, Function, and Evolution of Coronavirus Spike Proteins," *Annual Review of Virology*, 3(1), hal. 237–261. doi: 10.1146/annurev-virology-110615-042301.
- Lin, S. dkk. (2020) "Molecular Modeling Evaluation of the Binding Effect of Ritonavir, Lopinavir and Darunavir to Severe Acute Respiratory Syndrome Coronavirus 2 Proteases." doi: 10.1101/2020.01.31.929695.
- Lipinski, C. A. dkk. (2012) "Experimental and computational approaches to estimate solubility and permeability in drug discovery and development settings," *Advanced Drug Delivery Reviews*, 64(SUPPL.), hal. 4–17. doi: 10.1016/j.addr.2012.09.019.
- Lodish, U. H. dkk. (2008) *Molecular Cell Biology*. W. H. Freeman. Tersedia pada: <https://books.google.co.id/books?id=K3JbjG1JiUMC>.
- Mahévas, M. dkk. (2020) "Clinical efficacy of hydroxychloroquine in patients with covid-19 pneumonia who require oxygen: observational comparative study using routine care data," *BMJ*, hal. m1844. doi: 10.1136/bmj.m1844.

- Mardiana, L. dan PS, T. P. (2012) *Ramuan & Khasiat Kulit Manggis*. Penebar Swadaya Grup..
- Milan, M. B. O. A. R. (tanpa tanggal) *Fruits for the future 9: Mangosteen Garcinia mangostana*. Crops for the Future. Tersedia pada: <https://books.google.co.id/books?id=X3y8lILvSuAC>.
- Morris, G. M. dkk. (1998) “Automated docking using a Lamarckian genetic algorithm and an empirical binding free energy function,” *Journal of Computational Chemistry*, 19(14), hal. 1639–1662. doi: 10.1002/(SICI)1096-987X(19981115)19:14<1639::AID-JCC10>3.0.CO;2-B.
- Motiejunas, D. dan Wade, R. C. (2007) “Structural, Energetic, and Dynamic Aspects of Ligand-Receptor Interactions,” in *Comprehensive Medicinal Chemistry II*. Elsevier, hal. 193–213. doi: 10.1016/B0-08-045044-X/00250-9.
- Nauli, T. (2014) “Penentuan Sisi Aktif Selulase Aspergillus Niger Dengan Docking Ligan,” *Jurnal Kimia Terapan Indonesia*, 16(2), hal. 94–100. doi: 10.14203/jkti.v16i2.14.
- Orengo, C., Jones, D. dan Thornton, J. (2003) *Bioinformatics: Genes, Proteins and Computers*.
- Pedraza-Chaverri, J. dkk. (2008) “Medicinal properties of mangosteen (*Garcinia mangostana*),” *Food and Chemical Toxicology*, 46(10), hal. 3227–3239. doi: 10.1016/j.fct.2008.07.024.
- Prieto-Martínez, F. D., Arciniega, M. dan Medina-Franco, J. L. (2018) “Acoplamiento Molecular: Avances Recientes y Retos,” *TIP Revista Especializada en Ciencias Químico-Biológicas*, 21, hal. 1–23. doi: 10.22201/fesz.23958723e.2018.0.143.
- Ren, J., Zhang, A.-H. dan Wang, X.-J. (2020) “Traditional Chinese medicine for COVID-19 treatment,” *Pharmacological Research*, 155, hal. 104743. doi: 10.1016/j.phrs.2020.104743.
- Rothon, H. A. dan Byrareddy, S. N. (2020) “The epidemiology and pathogenesis of coronavirus disease (COVID-19) outbreak,” *Journal of Autoimmunity*, 109, hal. 102433. doi: 10.1016/j.jaut.2020.102433.

- Santoso, B. (2017) "Pengaruh Volume Gridbox pada Docking Senyawa dalam Stelechocarpus burahol terhadap Protein Homolog antiinflamasi TRPV1," *Univeristy Research Colloquium*, (September), hal. 321–328.
- Shereen, M. A. dkk. (2020) "COVID-19 infection: Origin, transmission, and characteristics of human coronaviruses," *Journal of Advanced Research*, 24, hal. 91–98. doi: 10.1016/j.jare.2020.03.005.
- Siswandono, E. (2020) *Kimia Medisinal 1 Edisi 2*. Airlangga University Press. Tersedia pada: <https://books.google.co.id/books?id=UKbJDwAAQBAJ>.
- Suksamrarn, S. dkk. (2003) "Antimycobacterial Activity of Prenylated Xanthones from the Fruits of Garcinia mangostana," *Chemical & Pharmaceutical Bulletin*, 51(7), hal. 857–859. doi: 10.1248/cpb.51.857.
- Suryani, Y. dkk. (2018) "Insilico docking studies of daidzein compounds as selective estrogen receptor modulator ( SERMS ) breast cancer," 03009, hal. 1–5.
- Tang, X. dkk. (2020) "Remdesivir in adults with severe COVID-19 : a randomised ,," *The Lancet*, 395(10236), hal. 1569–1578. doi: 10.1016/S0140-6736(20)31022-9.
- Trott, O. dan Olson, A. J. (2009) "AutoDock Vina: Improving the speed and accuracy of docking with a new scoring function, efficient optimization, and multithreading," *Journal of Computational Chemistry*, hal. NA-NA. doi: 10.1002/jcc.21334.
- Utami, W. dkk. (2020) "Molecular Docking Studies of SARS-CoV-2 Mainprotease Potential Inhibitors."
- Wan, Y. dkk. (2020) "Receptor Recognition by the Novel Coronavirus from Wuhan: an Analysis Based on Decade-Long Structural Studies of SARS Coronavirus," *Journal of Virology*. Diedit oleh T. Gallagher, 94(7). doi: 10.1128/JVI.00127-20.
- Wang, D. dkk. (2020) "Clinical Characteristics of 138 Hospitalized Patients with 2019 Novel Coronavirus-Infected Pneumonia in Wuhan, China," *JAMA - Journal of the American Medical Association*, 323(11), hal. 1061–1069. doi: 10.1001/jama.2020.1585.
- Wang, M. dkk. (2020) "Remdesivir and chloroquine effectively inhibit the recently

- emerged novel coronavirus (2019-nCoV) in vitro," *Cell Research*, 30(3), hal. 269–271. doi: 10.1038/s41422-020-0282-0.
- de Wilde, A. H. dkk. (2014) "Screening of an FDA-Approved Compound Library Identifies Four Small-Molecule Inhibitors of Middle East Respiratory Syndrome Coronavirus Replication in Cell Culture," *Antimicrobial Agents and Chemotherapy*, 58(8), hal. 4875–4884. doi: 10.1128/AAC.03011-14.
- Wrapp, D. dkk. (2020) "Cryo-EM structure of the 2019-nCoV spike in the prefusion conformation," *Science*, 367(6483), hal. 1260–1263. doi: 10.1126/science.abb2507.
- Wu, C. dkk. (2020) "Analysis of therapeutic targets for SARS-CoV-2 and discovery of potential drugs by computational methods," *Acta Pharmaceutica Sinica B*, 10(5), hal. 766–788. doi: 10.1016/j.apsb.2020.02.008.
- Zhou, D., Dai, S.-M. dan Tong, Q. (2020) "COVID-19: a recommendation to examine the effect of hydroxychloroquine in preventing infection and progression," *Journal of Antimicrobial Chemotherapy*, 75(7), hal. 1667–1670. doi: 10.1093/jac/dkaa114.
- Zhou, P. dkk. (2020) "A pneumonia outbreak associated with a new coronavirus of probable bat origin," *Nature*, 579(7798), hal. 270–273. doi: 10.1038/s41586-020-2012-7.
- Zhu, N. dkk. (2020) "A Novel Coronavirus from Patients with Pneumonia in China, 2019," *New England Journal of Medicine*, 382(8), hal. 727–733. doi: 10.1056/NEJMoa2001017.
- Zou, X. dkk. (2020) "Single-cell RNA-seq data analysis on the receptor ACE2 expression reveals the potential risk of different human organs vulnerable to 2019-nCoV infection," *Frontiers of Medicine*, 14(2), hal. 185–192. doi: 10.1007/s11684-020-0754-0.