



DAFTAR PUSTAKA

- Abourashed, E.A. dan El-Alfy, A.T., 2016. Chemical diversity and pharmacological significance of the secondary metabolites of nutmeg (*Myristica fragrans* Houtt.). *Phytochemistry Reviews: Proceedings of the Phytochemical Society of Europe*, 15: 1035–1056.
- Ammerman, N.C., Beier-Sexton, M., dan Azad, A.F., 2008. Growth and maintenance of Vero cell lines. *Current Protocols in Microbiology*, Appendix 4: Appendix 4E.
- Ashburner, M., Ball, C.A., Blake, J., Botstein, D., Butler, H., dan Cherry, J., 2000. Gene ontology: Tool for the unification of biology. *The Gene Ontology Consortium. Nat Genet*, 25: 25–29.
- Ayla, S., Seckin, I., Tanrıverdi, G., Cengiz, M., Eser, M., Soner, B.C., dkk., 2011. Doxorubicin Induced Nephrotoxicity: Protective Effect of Nicotinamide. *International Journal of Cell Biology*, 2011: e390238.
- Bae, Y.S., Oh, H., Rhee, S.G., dan Yoo, Y. Do, 2011. Regulation of Reactive Oxygen Species Generation in Cell Signaling 491–509.
- Birch-Machin, M. A. 2006. The role of mitochondria in ageing and carcinogenesis. *Clinical and Experimental Dermatology: Experimental dermatology*, 31(4), 548-552.
- Cappetta, D., De Angelis, A., Sapiro, L., Prezioso, L., Illiano, M., Quaini, F., Urbanek, K. 2017. Oxidative stress and cellular response to doxorubicin: a common factor in the complex milieu of anthracycline cardiotoxicity. *Oxidative medicine and cellular longevity*.
- Chatterjee, K., Zhang, J., Honbo, N., & Karliner, J. S. 2010. Doxorubicin cardiomyopathy. *Cardiology*, 115(2), 155-162. <https://doi.org/10.1159/000265166>.
- Childs, B.G., Durik, M., Baker, D.J., Van Deursen, J.M., 2015. Cellular senescence in aging and age-related disease: From mechanisms to therapy. *Nat. Med.* 21, 1424–1435. <https://doi.org/10.1038/nm.4000>.
- Davalli, P., Mitic, T., Caporali, A., Lauriola, A., D’Arca, D., 2016. ROS, Cell Senescence, and Novel Molecular Mechanisms in Aging and Age-Related Diseases [WWW Document]. *Oxid. Med. Cell. Longev.* <https://doi.org/10.1155/2016/3565127>.
- Debacq-Chainiaux, F., Erusalimsky, J.D., Campisi, J., Toussaint, O., 2009. Protocols to detect senescence-associated beta-galactosidase (SA- β gal) activity, a biomarker of senescent cells in culture and in vivo. *Nat. Protoc.* 4, 1798–1806. <https://doi.org/10.1038/nprot.2009.191>.
- Ginting, B., Maira, R., Mustanir, Helwati, H., Desiyana, L.S., dan Mujahid, R., 2018. ISOLATION OF ESSENSIAL OIL OF NUTMEG (*Myristica fragrans* Houtt) and ANTIOXIDANT ACTIVITY TEST WITH DPPH. *Jurnal Natural*, 18: 11–17.
- Halliwell B, Gutteridge JMC. Free radicals in biology and medicine. Edisi ke-4. Wiltshire: Oxford University Press; 2007. h. 187-267. J. M. Van Deursen, “The role of senescent cells in ageing,” Nature, vol.509,no.7501,pp.439–446, 2014.



- Hermawan, A. dan Putri, H., 2019. Targets and molecular mechanisms of a citrus flavonoid, hesperidin, against luminal breast cancer cells: an integrative bioinformatics analysis. *Asian Pacific Journal of Tropical Biomedicine*, 9: 531.
- Höhn, A., Weber, D., Jung, T., Ott, C., Hugo, M., Kochlik, B., Kehm, R., König, J., Grune, T., Castro, J.P., 2016. Happily (n)ever after: Aging in the context of oxidative stress, proteostasis loss and cellular senescence. *Redox Biol.* 11, 482–501. <https://doi.org/10.1016/j.redox.2016.12.001>.
- Huang, D.W., Sherman, B.T., dan Lempicki, R.A., 2009. Systematic and integrative analysis of large gene lists using DAVID bioinformatics resources. *Nature Protocols*, 4: 44–57.
- Jia, J.B., Lall, C., Tirkes, T., Gulati, R., Lamba, R., dan Goodwin, S.C., 2015. Chemotherapy-related complications in the kidneys and collecting system: an imaging perspective. *Insights into Imaging*, 6: 479–487.
- Kapoor, I.P.S., Singh, B., Singh, G., Heluani, C.S., Lampasona, M.P., dan Catalan, C., 2013. Chemical composition and antioxidant activity of essential oil and oleoresins of nutmeg (*Myristica fragrans* Houtt.) fruits. *International Journal of Food Properties*, 16: 1059–1070.
- Larasati, Y.A., Yoneda-Kato, N., Nakamae, I., Yokoyama, T., Meiyanto, E., Kato, J.-Y., 2018. Curcumin targets multiple enzymes involved in the ROS metabolic pathway to suppress tumor cell growth. *Sci. Rep.* 8, 2039. <https://doi.org/10.1038/s41598-018-20179-6>.
- Lee, K.-E., Mun, S., Pyun, H.-B., Kim, M.-S., dan Hwang, J.-K., 2012. Effects of macelignan isolated from *Myristica fragrans* (Nutmeg) on expression of matrix metalloproteinase-1 and type I procollagen in UVB-irradiated human skin fibroblasts. *Biological & Pharmaceutical Bulletin*, 35: 1669–1675.
- Lyon, R., 2011. Dynamic Assessment in Patients Following Bone-Patellar Tendon-Bone Autograft Anterior Cruciate Ligament Reconstruction. *The Open Orthopaedics Journal*, 5: 160–164.
- Malyszko, Jolanta, Kozlowska, K., Kozlowski, L., dan Malyszko, Jacek, 2017. Nephrotoxicity of anticancer treatment. *Nephrology, Dialysis, Transplantation: Official Publication of the European Dialysis and Transplant Association - European Renal Association*, 32: 924–936.
- Nabekura, T., Kawasaki, T., Jimura, M., Mizuno, K., dan Uwai, Y., 2020. Microtubule-targeting anticancer drug eribulin induces drug efflux transporter P-glycoprotein. *Biochemistry and Biophysics Reports*, 21: 100727.
- Nurani, L., 2012. UJI SITOTOKSITAS DAN ANTIPIROLIFERATIF SEL KANKER PAYUDARA T47D DAN SEL VERO BIJI *Nigella sativa*, L. *Pharmaciana*, 2.
- Piegari, E., Angelis, A., Cappetta, D., Russo, R., Esposito, G., Costantino, S., Graiani, G., Frati, C., Prezioso, L., Berrino, L., Urbanek, K., Quaini, F., Rossi, F., 2013. Doxorubicin induces senescence and impairs function of human cardiac progenitor cells. *Basic Res. Cardiol.* 108, 334. <https://doi.org/10.1007/s00395-013-0334-4>.



- Ray, P.D., Huang, B., dan Tsuji, Y., 2012. Reactive oxygen species (ROS) homeostasis and redox regulation in cellular signaling. *Cellular Signalling*, 24: 981–990.
- Sahni, V., Choudhury, D., dan Ahmed, Z., 2009. Chemotherapy-associated renal dysfunction. *Nature Reviews. Nephrology*, 5: 450–462.
- Santos, M.L.C., de Brito, B.B., da Silva, F.A.F., Botelho, A.C. dos S., dan de Melo, F.F., 2020. Nephrotoxicity in cancer treatment: An overview. *World Journal of Clinical Oncology*, 11: 190–204.
- Seneme EF, dos Santos DC, Silva EMR, Franco YEM, Longato GB. Pharmacological and Therapeutic Potential of Myristicin: A Literature Review. *Molecules*. 2021; 26(19):5914. <https://doi.org/10.3390/molecules26195914>.
- Wang, H., Mou, H., Xu, X., Liu, C., Zhou, G., dan Gao, B., 2021. LncRNA KCNQ1OT1 (potassium voltage-gated channel subfamily Q member 1 opposite strand/antisense transcript 1) aggravates acute kidney injury by activating p38/NF- κ B pathway via miR-212-3p/MAPK1 (mitogen-activated protein kinase 1) axis in sepsis. *Bioengineered*, 12: 11353–11368.
- Winarti C, Nurdjannah N. 2005. Peluang tanaman rempah dan obat sebagai sumber pangan fungsional. *Jurnal Litbang Pertanian* 24: 2.
- Wulandari, F., Ikawati, M., Kirihata, M., Kato, J.-Y., dan Meiyanto, E., 2021. A new curcumin analog, CCA-1.1, induces cell death and cell cycle arrest in WiDr colon cancer cells via ROS generation. *Journal of Applied Pharmaceutical Science*.
- Yang, H., Villani, R.M., Wang, H., Simpson, M.J., Roberts, M.S., dan Tang, M., 2018. The role of cellular reactive oxygen species in cancer chemotherapy 1– 10.
- Zhang, R., Chen, H.-Z., dan Liu, D.-P., 2015. The Four Layers of Aging. *Cell Systems*, 1: 180–186.
- Zhao, N., Woodle, M.C., Mixson, A.J., 2018. Advances in delivery systems for doxorubicin. *J. Nanomedicine Nanotechnol*. 9. <https://doi.org/10.4172/2157-7439.1000519>.
- Zulfin, U.M., Rahman, A., Hanifa, M., Utomo, R.Y., Haryanti, S., dan Meiyanto, E., 2021. Reactive oxygen species and senescence modulatory effects of rice bran extract on 4T1 and NIH-3T3 cells co-treatment with doxorubicin. *Asian Pacific Journal of Tropical Biomedicine*, 11: 174.