

DAFTAR PUSTAKA

- Ashner, M., Sunol, C., dan Bal-Price, A. 2011. *Cell Culture Techniques*. New York: Springer.
- Aslanturk, O. S. 2017. *Genotoxicity: In vitro Cytotoxicity and Cell Viability Assays: Principles, Advantages, and Disadvantages*. London: IntechOpen.
- Badan Pengawas Obat dan Makanan. 2014. *Informatorium Obat Nasional Indonesia*. Jakarta: BPOM.
- Behzadi, P. dan Ranjbar, R. 2015. Caspases and Apoptosis. *Journal of Molecular Enzymology and Drug Targets*, 1(2): 6-10.
- Ben, S. 2005. Donepezil: A Review. *Expert Opinion on Drug Metabolism & Toxicology*, 1(3): 527-536.
- Brentnall, M., Rodriguez-Menocal, L., De Guevara, R. L., Cepero, E., dan Boise, L. H. 2013. Caspase-9, Caspase-3 and Caspase-7 Have Distinct Roles during Intrinsic Apoptosis. *BMC Cell Biology*, 14(32): 1-9.
- Bucevicius, J., Lukinavicius, G., dan Gerasimaite, R. 2018. The Use of Hoechst Dyes for DNA Staining and Beyond. *Chemosensors*, 6(2): 18-30.
- Cai, L., Qin, X., Xu, Z., Song, Y., Jiang, H., Wu, Y., Ruan, H., dan Chen, J. 2019. Comparison of Cytotoxicity Evaluation of Anticancer Drugs between Real-Time Cell Analysis and CCK-8 Method. *American Chemistry Society Omega*, 4(7): 12036-12042.

- Chi, H., Chang, H. Y., dan Sang, T. K. 2018. Neuronal Cell Death Mechanisms in Major Neurodegenerative Diseases. *International Journal of Molecular Sciences*, 19(10): 3082-3100.
- Crowley, L. C., Marfell, B. J., dan Waterhouse, N. J. 2016. Analyzing Cell Death by Nuclear Staining with Hoechst 33342. *Cold Spring Harbor Protocols*, 2016: 778-781.
- Dominguez, C. 2010. *Neurodegenerative Disease, Volume 6*. Heidelberg: Springer
- Dugger, B. N. Dan Dickson, D. W. 2017. Pathology of Neurodegenerative Diseases. *Cold Spring Harb Perspect Biol*, 9(7): 1-22.
- Dutt, S., Khokra, S. L., Kumar, H., dan Prashar, D. 2011. Evaluation of Donepezil Hydrochloride Using Various Physical Parameters. *International Journal of Pharmaceutical and Clinical Research*, 3(3): 63-65.
- European Collection of Authenticated Cell Cultures*. 2016. *SH-SY5Y Cell Line Profile*. London: Public Health England.
- Friedlander, R. M. 2003. Apoptosis and Caspases in Neurodegenerative Diseases. *New England Journal of Medicine*, 384(14): 1365-1375.
- Gan, S. D. dan Patel, K. R. 2013. Enzyme Immunoassay and Enzyme-Linked Immunosorbent Assay. *Journal of Investigative Dermatology*, 133(12): 287-290.

Ghasemi, M., Turnbull, T., Sebastian, S., dan Kempson, I. 2021. The MTT Assay: Utility, Limitations, Pitfalls, and Interpretation in Bulk and Single-Cell Analysis. *International Journal of Molecular Science*, 22(23): 1287-1317.

Global Burden of Disease 2016 Neurology Collaborators. 2019. Global, regional, and national burden of neurological disorders, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet Neurology*, 18(5): 459-480.

Held, P. 2009. *An Absorbance-based Cytotoxicity Assay using High Absorptivity, Water-soluble Tetrazolium Salts: Cell Quantitation Using WST-8 and the Synergy™ Mx*. Vermont: BioTek Instruments, Inc.

Hening, P., Mataram, M. B. A., Wijayanti, N., Kusindarta, D. L., dan Wihadmadyatami, H. 2018. The neuroprotective effect of *Ocimum sanctum* Linn. ethanolic extract on human embryonic kidney-293 cells as *in vitro* model of neurodegenerative disease. *Veterinary World*, 11(9): 1237-1243.

Kamiloglu, S., Sari, G., Ozdal, T., dan Capanoglu, E. 2020. Guidelines for Cell Viability Assays. *Food Frontiers*, 1(3): 332-349.

Kempuraj, D., Thangavel, R., Natteru, P.A., Selvakumar, G. P., Saeed, D., Zahoor, H., Zaheer, S., Iyer, S. S., dan Zaheer, A. 2016. Neuroinflammation Induces Neurodegeneration. *J Neurol Neurosurg Spine.*, 1(1): 1003-1018.

- Kim, D. J. dan Kim, Y. S. 2016. Magnolol Protects Against Trimethyltin-Induced Neuronal Damage and Glial Activation *in vitro* and *in vivo*. *Neurotoxicology*, 53: 173-185.
- Kovacs, G. G. 2014. Current Concepts of Neurodegenerative Diseases. *EMJ Neurol.*, 2014 (1): 78-86.
- Kovalevich, J. dan Langford, D. 2013. Considerations for the Use of SH-SY5Y Neuroblastoma Cells in Neurobiology. *Methods Mol Biol*, 2013 (1078): 9-21.
- Kusindarta, D. L., Wihadmadyatami, H., dan Haryanto, A. 2016. The analysis of hipokampus neuronal density (CA1 and CA3) after *Ocimum sanctum* ethanolic extract treatment on the young adulthood and middle age rat model. *Veterinary World*, 11(2): 135-140.
- Kusindarta, D. L., Wihadmadyatami, H., dan Haryanto, A. 2016. *Ocimum sanctum* Linn. stimulate the expression of choline acetyltransferase on the human cerebral microvascular endothelial cells. *Veterinary World*, 9(12): 1348-1354.
- Kustiati, U., Ratih, T. S. D., Agung, N. D., Kusindarta, D. L., dan Wihadmadyatami, H. 2021. In Silico Molecular Docking And *In vitro* Analysis Of Ethanolic Extract *Ocimum Sanctum* Linn.: Inhibitory And Apoptotic Effects Against Non-Small Cell Lung Cancer. *Veterinary World*, 14(12): 3175-3187.

- Lee, S., Yang, M., Kim, J., Kang, S., Kim, J., Kim, J. C., Jung, C., Shin, T., Kim, S. H., dan Moon, C. 2016. Trimethyltin-induced Hippocampal Neurodegeneration: A Mechanism-Based Review. *Brain Research Bulletin*, 125: 187-199.
- Maharjan, S. 2019. *Ocimum sanctum* (Linn.); the Queen of Herbs. *European Journal of Biomedical and Pharmaceutical Sciences*, 6(8): 106-109.
- Mascotti, K., McCullough, J., dan Burger, S. R. 2000. HPC viability measurement: trypan blue versus acridine orange and propidium iodide. *Transfusion*, 4: 693-696.
- Pattanayak, P., Behera, P., Das, D., dan Panda, S. K. 2010. *Ocimum sanctum* Linn. A Reservoir Plant for Therapeutic Applications: An Overview. *Pharmacognosy Reviews*, 4(7): 95-105.
- Przedborski, S., Vila, M., dan Jackson-Lewis, V. 2003. Neurodegeneration: what is it and where are we?. *Journal of Clinical Investigation*, 111(1): 3-10.
- Rieger, A. M., Nelson, K. L., Konowalchuk, J. D., dan Barreda, D. R. 2014. Modified Annexin V/Propidium Iodide Apoptosis Assay For Accurate Assessment of Cell Death. *Journal of Visualized Experiments*, 50: 2597-2601.
- Sakamoto, S., Putalun, W., Vimolmangkang, S., Phoolcharoen, W., Shoyama, Y., Tanaka, H., dan Morimoto, S. 2018. Enzyme-Linked Immunosorbent Assay

for the Quantitative/Qualitative Analysis of Plant Secondary Metabolites.

Journal of Natural Medicines, 72(1): 32-42.

Shin, C. Y., Kim, H. S., Cha, K. H., Won, D. H., Lee, J. Y., Jang, S. W., dan Sohn, U.

D. 2018. The Effects of Donepezil, an Acetylcholinesterase Inhibitor, on Impaired Learning and Memory in Rodents. *Biomolecules and Therapeutics*, 26(3): 274-281.

Song, W. J., Yun, J. H., Jeong, M. S., Kim, K. N., Shin, T., Kim, H. C., dan Wie, M.

B. 2021. Inhibitors of Lipoxygenase and Cyclooxygenase-2 Attenuate Trimethyltin-Induced Neurotoxicity through Regulating Oxidative Stress and Pro-Inflammatory Cytokines in Human Neuroblastoma SH-SY5Y Cells. *Brain Sci*, 11(9): 1116-1135.

Thammasart, S., Viravaidya-Pasuwat, K., dan Khantachawana, A. 2019. The Study of

Protective Effects of Low-Level Light and Donepezil Against β -Amyloid-Induced Cytotoxicity in SH-SY5Y Cells. *International Journal of Pharma Medicine and Biological Sciences*, 8(3): 100-105.

van Meerlo, J., Kaspers, G. J., dan Cloos, J. 2011. Cell Sensitivity Assays: the MTT

Assay. *Methods Mol Biol.*, 731:237-245.

Wang, X., Cai, J., Zhanga, J., Wang, C., Yub, A., Chena, Y., Zuoa, Z. 2008. Acute

trimethyltin exposure induces oxidative stress response dan neuronal apoptosis in *Sebastiscus marmoratus*. *Aquatic Toxicology* 90 (2008) 58–64.

Wood, P. L. 2003. *Neuroinflammation Mechanisms and Management 2nd Edition*.
New Jersey: Humana Press.