

DAFTAR PUSTAKA

- Achyani, R. (2011). Mekanisme pengaturan sistim saraf pada tubuh ikan di lingkungan perairan yang terkontaminasi oleh sianida. *Jurnal Harpodon Borneo*, 4(2): 51- 61.
- ADI. Dementia Statistic. Alzheimer's Disease International, Blue Lion Place. Diambil dari :<https://www.alzint.org/about/dementia-facts-figures/dementia-statistics/>. [Diakses pada: 30 November 2024].
- Akmal, M. I., Laila, S. R., & Wresdiyati, T. (2023). HISTOMORPHOLOGY OF PANCREATIC TISSUE IN MEDAKA FISH (*Oryzias javanicus*): STUDY OF DIABETIC ANIMAL MODEL DEVELOPMENT. *Jurnal Kedokteran Hewan-Indonesian Journal of Veterinary Sciences*, 17(1), 30-34. DOI: <https://DOI.org/10.21157/j.ked.hewan.v17i1.26884>
- ALZI. Statistik tentang Dimensia. Alzheimer Indonesia, Jakarta. Diambil dari : <https://alzi.or.id/statistik-tentang-demensia/>. [Diakses pada : 30 November 2024].
- Amelia, A., Andriani, Y., & Andriani, L. (2020). Gambaran Histopatologi Otak Mencit (*Mus musculus* L) Setelah Pemberian Fraksi Daun Sembung Rambat (*Mikania micrantha* Kunth) Sebagai Aktivitas Neuroprotektan. *Jurnal Farmamedika (Pharmamedika Journal)*, 5(1), 30-37. DOI: <https://DOI.org/10.47219/ath.v5i1.91>
- Arfina, A. (2021). Pengaruh Edukasi terhadap Pengetahuan Masyarakat Tentang Deteksi Dini Alzheimer di Kelurahan Labuh Baru Pekanbaru. *HEALTH CARE: JURNAL KESEHATAN*, 10(2), 256-261. DOI: <https://DOI.org/10.36763/healthcare.v10i2.170>
- Atik, R. (2019). Comparison of Bouin's Solution and Formalin Fixation in Guinea Pig Testis Histology Preparations. *MEDICAL JOURNAL*, 4 (2), 5-9.
- Breijyeh, Z., & Karaman, R. (2020). Comprehensive review on Alzheimer's disease: causes and treatment. *Molecules*, 25(24), 5789.
- Cahayani, W. A., & Rahayu, I. D. (2023). Eksplorasi Fungsi Lokomotor Pada Ikan Zebra (*Danio rerio*): Pendekatan Histologi dan Prospek Penelitian Neurologis dan Psikiatri. *Journal of Basic and Applied Anatomy Histology*, 1(1). 28-34. DOI: <http://dx.DOI.org/10.24123/mpi.v1i3.215>
- Camilieri-Asch, V., Muller, J., Gutnick, T., Yoshimatsu, T., & Collin, S. P. (2020). Comparative volumetric analysis of the olfactory bulbs and *telencephalon* in two fish species using diceCT. *Brain, Behavior and Evolution*, 95(3–4), 165–178. DOI: <https://DOI.org/10.1159/000509539>
- Cengizler, I. (2022). Use of Fish As Experimental Animals in Biomedical Research. *International Journal of Advances in Biomedical Engineering*, 2(1), 61-68.
- D'Angelo, E., Mapelli, L., Casellato, C., & Prestori, F. (2016). *Modeling the Cerebellar Microcircuit: New Strategies for a Connectome-Based and Realistic Model*. *Frontiers in Cellular Neuroscience*, 10, 30. DOI: <https://DOI.org/10.3389/fncel.2016.00176>
- Damayani, I. A., Kurniawan, A., & Yaqin, K. (2022). Pengaruh Paparan Logam

- Timbal Terhadap Kematian Embrio Ikan Medaka Embrio (*Oryzias celebensis* Weber, 1894) di Indonesia. *SIGANUS: Journal of Fisheries and Marine Science*, 3(2), 215-221. DOI: <https://dx.DOI.org/10.31605/siganus.v3i2.1507>
- De Souza, C. T., Araujo, E. P., Prada, P. O., Saad, M. J. A., & Velloso, L. A. (2019). Hypothalamic inflammation and the pathogenesis of metabolic diseases. *Frontiers in Neuroscience*, 13, 111. <https://DOI.org/10.3389/fnins.2019.00111>
- Dos Santos, P., Leide, C., Ozela, P. F., de Fatima de Brito Brito, M., Pinheiro, A. A., Padilha, E. C., and Izabel, L. (2018). Alzheimer's disease: a review from the pathophysiology to diagnosis, new perspectives for pharmacological treatment. *Current medicinal chemistry*, 25(26), 3141-3159. DOI: <https://DOI.org/10.2174/0929867323666161213101126>.
- Eastman, J. T., & Lannoo, M. J. (2004). Brain and sense organ anatomy and histology in hemoglobinless Antarctic icefishes (Perciformes: Notothenioidei: Channichthyidae). *Journal of Morphology*, 260(1), 117-140. DOI: 10.1002/jmor.10221
- Grundy, D. (2015). Principles and standards for reporting animal experiments in The Journal of Physiology and Experimental Physiology. *Experimental physiology*, 100(7), 755-758. DOI: <https://DOI.org/10.1113/jp270818>
- Hara, T. J. (2011). *SMELL, TASTE, AND CHEMICAL SENSING | Morphology of the Olfactory (Smell) System in Fishes. Encyclopedia of Fish Physiology*, 194–207. DOI:10.1016/b978-0-12-374553-8.00024-1
- Hasanah, N., Omar, S. B. A., & Tresnati, J. (2022). Sex Ratio of Endemic Ricefish *Oryzias celebensis* in South Sulawesi: Rasio Kelamin Ikan Medaka Endemik *Oryzias celebensis* di Sulawesi Selatan. *Jurnal Ilmiah AgriSains*, 23(2), 60-66. DOI: <https://DOI.org/10.22487/jiagrisains.v23i2.2022.60-66>
- Heneka, M. T., Carson, M. J., El Khoury, J., Landreth, G. E., Brosseron, F., Feinstein, D. L., and Kummer, M. P. (2015). Neuroinflammation in Alzheimer's disease. *Nature Reviews Neuroscience*, 16(6), 358–372. DOI: [https://DOI.org/10.1016/S1474-4422\(15\)70016-5](https://DOI.org/10.1016/S1474-4422(15)70016-5)
- Husodo, B. (2020). Konsumsi kopi untuk mencegah penyakit alzheimer. *Jurnal Ilmiah Kesehatan Sandi Husada*, 12(2), 996-1002. DOI: <http://dx.DOI.org/10.35816/jiskh.v12i2.439>
- Hussein, A. M. N., & Cao, X. 2018. Brain anatomy and Histology in Teleosts. *Benha Veterinary Medical Journal*. 35(2), 446-463.
- Iaccarino, H. F., Singer, A. C., Martorell, A. J., Rudenko, A., Gao, F., Gillingham, T. Z., Mathys, H., Seo, J., Kritskiy, O., Abdurrob, F., Adaikkan, C., Canter, R. G., Rueda, R., Brown, E. N., Boyden, E. S., & Tsai, L.-H. (2016). Gamma frequency entrainment attenuates amyloid load and modifies *microglia*. *Nature*, 540(7632), 230–235. DOI: <https://DOI.org/10.1038/nature20587>
- Jullienne, A., Trinh, M. V., & Obenaus, A. (2022). *Neuroimaging of mouse models of Alzheimer's disease*. *Biomedicines*, 10(2), 305. DOI:

- <https://DOI.org/10.3390/biomedicines10020305>
- Kettenmann, H., Hanisch, U.-K., Noda, M., & Verkhratsky, A. (2011). Physiology of *microglia*. *Physiological Reviews*, 91(2), 461–553. <https://DOI.org/10.1152/physrev.00011.2010>
- Kotrschal, A., & Kotrschal, K. (2020). Fish brains: anatomy, functionality, and evolutionary relationships. *The Welfare of Fish*, 129-148.
- Loomis, C., Peuß, R., & Coates, M. I. (2019). *An Adult Brain Atlas Reveals Broad Neuroanatomical Changes in Independently Evolved Populations of Mexican Cavefish*. *Frontiers in Neuroanatomy*, 13, 88. DOI: <https://DOI.org/10.3389/fnana.2019.00088>
- Manan, A., & Pratiwi, H. C. (2015). Teknik Dasar Histologi pada Ikan Gurami (*Osphronemus gouramy*) [The Basic Histology Technique of Gouramy Fish (*Osphronemus gourami*)]. *Jurnal Ilmiah Perikanan dan Kelautan*, 7(2), 153-158. DOI: <https://DOI.org/10.20473/jipk.v7i2.11199>
- Mavroudis, I. A. et al. (2023). *Purkinje cell pathology in Alzheimer's disease*. *Brain Sciences*, 13(11): 1523. DOI: [10.1177/1533317519859200](https://doi.org/10.1177/1533317519859200)
- Meystre, J., Jacquemier, J., Burri, O., Zsolnai, C., Frank, N., Vieira, J. P., Shi, Y., Perin, R., Keller, D., dan Markram, H. 2024. Cell density quantification of high resolution Nissl images of the juvenile rat brain. *Frontiers in Neuroanatomy*. 18(1463632), <https://doi.org/10.3389/fnana.2024.1463632>
- Mokhtar, D.M. 2022. *Fish Histology from Cells to Organs : 2nd Edition*. Apple Academic Press, Palm Bay.
- Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). Kajian Pustaka: Penggunaan Mencit sebagai hewan coba di laboratorium yang mengacu pada prinsip kesejahteraan hewan. *Jurnal Indonesia Medicus Veterinus*, 10(1), 134-145. DOI: <http://dx.Doi.org/10.19087/imv.2020.10.1.134>
- Newman, M., Ebrahimie, E., & Lardelli, M. (2014). Using the zebrafish model for Alzheimer's disease research. *Frontiers in genetics*, 5, 189. DOI: [10.3389/fgene.2014.00189](https://doi.org/10.3389/fgene.2014.00189)
- Pakaya, D., & Susilowati, R. (2020). Pemanfaatan Hewan Coba pada Penelitian Neurodegeneratif. *Healthy Tadulako Journal (Jurnal Kesehatan Tadulako)*, 6(2).
- Pose-Méndez, S., Schramm, P., Valishetti, K., & Köster, R. W. (2023). *Development, circuitry, and function of the zebrafish cerebellum*. *Cellular and Molecular Life Sciences*, 80, 227.
- Serdiati, N., Nurdin, M. S., Hasan, V., & Fikri, D. (2023). Population dynamic of endemic ricefish in Lake Poso implications for conservation. *International Journal of Conservation Science*, 14(1), 281-294. DOI: <https://DOI.org/10.36868/IJCS.2023.01.19>
- Shenoy, A., et al. (2022). *The brilliance of the zebrafish model: Perception on behavior and Alzheimer's disease*. *Frontiers in Behavioral Neuroscience*, 16, Article 861155. DOI: <https://DOI.org/10.3389/fnbeh.2022.861155>
- Striedter, G. F., & Northcutt, R. G. (2020). *Brains through time: A natural history of vertebrates*. Oxford University Press

- Sulfitratullah, S., Yaqin, K., & Rukminasari, N. (2022). DIFFERENCES IN THE VULNERABILITY OF MEDAKA FISH (*Oryzias celebensis*) MALE AND FEMALE TO CLORPYRIPHOS INSETICIDE. *AQUASAINS*, 10(2), 1115-1124. DOI: <https://DOI.org/10.23960/aqs.v10i2.p1115-1124>
- Takeda, H., & Shimada, A. (2010). The art of medaka genetics and genomics: what makes them so unique?. *Annual review of genetics*, 44(1), 217-241. DOI: <https://doi.org/10.1146/annurev-genet-051710-151001>.
- Takeuchi, M., Matsuda, K., Yamaguchi, S., Asakawa, K., Miyasaka, N., Lal, P. Dan Hibi, M. (2015). Establishment of Gal4 transgenic zebrafish lines for analysis of development of cerebellar neural circuitry. *Developmental biology*, 397(1), 1-17. DOI: <https://DOI.org/10.1016/j.ydbio.2014.09.030>.
- Ullmann, J. F. P., Cowin, G., Kurniawan, N. D., & Collin, S. P. (2013). Enhanced characterization of the zebrafish brain as revealed by in vivo three-dimensional magnetic resonance imaging. *Frontiers in Neuroanatomy*, 7, Article 33. DOI: <https://DOI.org/10.3389/fnana.2013.00033>
- Webster, S. J., Bachstetter, A. D., Nelson, P. T., Schmitt, F. A., & Van Eldik, L. J. (2014). Using mice to model Alzheimer's dementia: An overview of the clinical disease and the preclinical behavioral changes in ten mouse models. *Acta Neuropathologica*, 127(2), 203–225. DOI: <https://DOI.org/10.1007/s00401-013-1222-4>.
- Wong, W. (2020). Economic burden of Alzheimer disease and managed care considerations. *The American journal of managed care*, 26(8 Suppl), S177-S183. DOI: 10.37765/ajmc.2020.88482.
- Yáñez, J., Eguiguren, M. H., & Anadón, R. (2024). *Neural connections of the torus semicircularis in the adult zebrafish*. *The Journal of Comparative Neurology*, 532(1). DOI: <https://DOI.org/10.1002/cne.25586>
- Yaqina, K., Lalombo, Y. I., bin Andy Omara, S., Rahima, S. W., & Sarib, D. K. (2022). Survival Rates of *Oryzias Celebensis* Embryo Reared in Different Media in an Attempt to Provide Embryos for Ecotoxicological Studies. *microscope*, 23(26), 27. DOI: [10.18517/ijaseit.12.5.16297](https://doi.org/10.18517/ijaseit.12.5.16297)
- Yurista, S. R., Ferdian, R. A., & Sargowo, D. (2016). Principles of the 3Rs and ARRIVE Guidelines in Animal Research. *Indonesian Journal of Cardiology*, 37, 156-63. DOI: <https://DOI.org/10.30701/ijc.v37i3.579>