DAFTAR PUSTAKA

Baxi, H., Habib, A., Hussain, M.S., Hussain, S. dan Dubey, K. 2020. Prevalence of peripheral neuropathy and associated pain in patients with diabetes mellitus: Evidence from a cross-sectional study. *Journal of Diabetes & Metabolic Disorders.* 19: 1011-1017. doi: https://doi.org/10.1007/s40200-020-00597-y

Carrasco, C., Naziroğlu, M., Rodríguez, A.B. dan Pariente, J.A. 2018. Neuropathic pain: delving into the oxidative origin and the possible implication of transient receptor potential channels. *Frontiers in physiology*. 9: 95. doi: https://doi.org/10.3389/fphys.2018.00095

Catalani, E., Silvestri, F., Bongiorni, S., Taddei, A.R., Fanelli, G., Rinalducci, S., De Palma, C., Perrotta, C., Prantera, G. dan Cervia, D. 2021. Retinal damage in a new model of hyperglycemia induced by high sucrose diets. *Pharmacological Research*. 166: 105488. doi: https://doi.org/10.1016/j.phrs.2021.105488

Chiang, M.H., Lin, Y.C., Wu, T. dan Wu, C.L. 2023. Thermosensation and Temperature Preference: From Molecules to Neuronal Circuits in *Drosophila.* Cells.12(24): 2792. doi : https://doi.org/10.3390/cells12242792

Christie, S., Wittert, G.A., Li, H. dan Page, A.J. 2018. Involvement of TRPV1 channels in energy homeostasis. *Frontiers in endocrinology*. 9: 420. doi : https://doi.org/10.3389/fendo.2018.00420

Dhar, G., Mukherjee, S., Nayak, N., Sahu, S., Bag, J., Rout, R., dan Mishra, M. 2020 Various behavioural assays to detect the neuronal abnormality in flies. Dalam M. Mishra (Ed.). *Fundamental Approaches to Screen Abnormalities in Drosophila* (226–267). USA: Springer Science & Business Media LLC. ISBN : 978-1-4939-9755-8.

Green, M.R. dan Sambrook, J. 2020. Total RNA isolation from *Drosophila melanogaster. Cold Spring Harbor Protocols.* 2020(9): 101675. doi: https://doi.org/10.1101/pdb.prot101675

IDF. 2021. *IDF Diabetes Atlas Edisi ke-10.* Brussels. Belgium. Available at : https://www.diabetesatlas.org

Ighodaro, O.M., dan Akinloye, O.A. 2018. First line defence antioxidants superoxide dismutase (SOD), catalase (CAT) and glutathione peroxidase (GPX): Their fundamental role in the entire antioxidant defence grid. *Alexandria Journal of Medicine*. 54: 287–293. doi : https://doi.org/10.1016/j.ajme.2017.09.001

Im, S. H., Patel, A. A., Cox, D. N. dan Galko, M. J. 2018. *Drosophila* Insulin receptor regulates the persistence of injury-induced nociceptive sensitization. *Disease models & mechanisms.*11(5): 034231. doi : https://doi.org/10.1242/dmm.034231

...ou, F., Formozov, A., Wittich, A., Tenedini, F. M., Hu, C., Sauter, ... M., Herédia, F., Casimiro, A. P. dan Macedo, A. 2022. A ...rgic circuit gates selective escape behavior of *Drosophila* *Current Biology*. 32(1): 149 doi : ...g/10.1016/j.cub.2021.10.069

Khdour, M.R. 2020. Treatment of diabetic peripheral neuropathy: a review. *Journal of Pharmacy and Pharmacology*. 72(7): 863-872. doi : https://doi.org/10.1111/jphp.13241

Lee, D., Yoon, E., Ham, S.J., Lee, K., Jang, H., Woo, D., Lee, D.H., Kim, S., Choi, S. dan Chung, J. 2024. Diabetic sensory neuropathy and insulin resistance are induced by loss of UCHL1 in *Drosophila*. *Nature Communications*. 15(1): 468. doi : https://doi.org/10.1038/s41467-024-44747-9.

Loan, A., Syal, C., Lui, M., He, L. dan Wang, J. 2024. Promising use of metformin in treating neurological disorders: biomarker-guided therapies. *Neural Regeneration Research*. 19(5): 1045-1055. doi : https://doi.org/10.4103/1673-5374.385286

Lezama-García, K., Mota-Rojas, D., Pereira, A.M., Martínez-Burnes, J., Ghezzi, M., Domínguez, A., Gómez, J., de Mira Geraldo, A., Lendez, P., Hernández-Ávalos, I. dan Falcón, I. 2022. Transient Receptor Potential (TRP) and thermoregulation in animals: Structural biology and neurophysiological aspects. *Animals*. 12(1): 106. doi : https://doi.org/10.3390/ani12010106

Liu, J., Liu, W., Thakur, D., Mack, J., Spina, A. dan Montell, C. 2023. Alleviation of thermal nociception depends on heat-sensitive neurons and a TRP channel in the brain. *Current Biology*. 33(12): 2397-2406. doi : https://doi.org/10.1016/j.cub.2023.04.055

Musselman, L.P., Fink, J.L. dan Baranski, T.J. 2019. Similar effects of high-fructose and high-glucose feeding in a *Drosophila* model of obesity and diabetes. *PLoS One*. 14(5): e0217096. doi : https://doi.org/10.1371/journal.pone.0217096

Nazıroğlu, M., Dikici, D.M. dan Dursun, Ş. 2012. Role of oxidative stress and Ca 2+ signaling on molecular pathways of neuropathic pain in diabetes: focus on TRP channels. *Neurochemical research*. 37: 2065-2075. doi : https://doi.org/10.1007/s11064-012-0850-x

Ong, K. L., Stafford, L. K., McLaughlin, S. Smith, A. E. & Brauer, M. 2023. Global, regional, and national burden of diabetes from 1990 to 2021, with projections of prevalence to 2050: a systematic analysis. *The Lancet.* 402: 203-234. doi : https://doi.org/10.1016/S0140-6736(23)01301-6

Ogienko, A.A., Omelina, E.S., Bylino, O.V., Batin, M.A., Georgiev, P.G. dan Pindyurin, A.V. 2022. *Drosophila* as a model organism to study basic mechanisms of longevity. *International Journal of Molecular Sciences*. 23(19): 11244. doi: https://doi.org/10.3390/ijms231911244

Pabbidi, R.M., Yu, S.Q., Peng, S., Khardori, R., Pauza, M.E. dan Premkumar, L.S., 2008. Influence of TRPV1 on diabetes-induced alterations in thermal pain *olecular pain*. 4 :1744-8069. https://doi.org/10.1186/1744-8069-

A., Brasacchio, C. dan Soldati, L. 2021. Curcumin and type 2 litus: prevention and treatment. *Nutrients.* 11(8): 1837. doi : g/10.3390/nu11081837

Qureshi, Z., Ali, M.N. dan Khalid, M. 2022. An insight into potential pharmacotherapeutic agents for painful diabetic neuropathy. *Journal of Diabetes Research*. 1: 9989272. doi: https://doi.org/10.1155/2022/9989272

Sokabe, T. dan Tominaga, M. 2009. A temperature-sensitive TRP ion channel, *Painless*, functions as a noxious heat sensor in fruit flies. *Communicative & integrative biology*. 2(2): 170-173. doi : https://doi.org/10.4161/cib.7708

Suzuki, M., Kuromi, H., Shindo, M., Sakata, N., Niimi, N., Fukui, K., Saitoe, M. dan Sango, K. 2022. A *Drosophila* model of diabetic neuropathy reveals a crucial role of proteasome activity in the glia. *bioRxiv.* 2022: 09. doi : https://doi.org/10.1101/2022.09.22.509008

Ugbedeojo, S. P., Alexander, E. M., Abigail, O. dan Tochukwu, O.C. 2021. The phytochemical constituents, hypoglycemic, and antioxidant activities of *Senna occidentalis* (L.) ethanolic leaf extract in high sucrose diet fed *Drosophila melanogaster. Journal of Advances in Biology & Biotechnology*. 24(3): 48-63. doi : https://doi.org/10.9734/jabb/2021/v24i330206

Wang, Y., Lopez-Bellido, R., Huo, X., Kavelaars, A. & Galko, M.J. 2023. The insulin receptor regulates the persistence of mechanical nociceptive sensitization in flies and mice. *Biology open.* 12(6): 059. doi : https://doi.org/10.1242/bio.059864

Wei, J., Wei, Y., Huang, M., Wang, P. dan Jia, S. 2022. Is metformin a possible treatment for diabetic neuropathy?. *Journal of Diabetes*. 14(10): 658-669. doi : https://doi.org/10.1111/1753-0407.13310