

DAFTAR PUSTAKA

- Aguiar, C. C. T., Almeida, A. B., Araújo, P. V. P., Abreu, R. N. D., Chaves, E. M. C., do Vale, O. C., & de Sousa, F. C. F. (2012). Oxidative stress and epilepsy: literature review. *Oxidative Medicine and Cellular Longevity*, 2012, 795259. <https://doi.org/10.1155/2012/795259>
- Akyüz, E., Paudel, Y. N., Polat, A. K., Dundar, H. E., Angelopoulou, E., & Shaikh, M. F. (2021). Quercetin as a potential therapeutic agent for neurological disorders. *Frontiers in Pharmacology*, 12, 684386. <https://doi.org/10.3389/fphar.2021.684386>
- Amin, S., Meylansyah, R., Darmawan, M.R. & Azzahra, N. (2025). Uji aktivitas antioksidan umbi bawang lanang (*Allium sativum*) terhadap radikal bebas DPPH: potensi bahan alam sebagai sumber antioksidan. *Journal of Innovative and Creativity*, 5(2), 216–223. <https://doi.org/10.31004/joecy.v5i2.161>
- Barikah, K.Z., Wicaksono, Y. & Wisudyaningsih, B. (2024). Quercetin-glycolic acid cocrystalization using solvent evaporation and slurry methods. *Indonesian Journal of Pharmaceutical Science and Technology*, 11(3), 305–312.
- Carrillo-Martínez, F., Hernández-Carlos, B., & Martínez-Martínez, A. (2024). Antioxidant properties of quercetin and its relevance in neuroprotection. *Antioxidants*, 13(2), 245. <https://doi.org/10.3390/antiox13020245>
- Cobley, J. N., Fiorello, M. L., & Bailey, D. M. (2020). 13 reasons why the brain is susceptible to oxidative stress. *Redox Biology*, 15, 490–503. <https://doi.org/10.1016/j.redox.2017.12.008>
- Darwatik, S., Lestari, S., & Rahmawati, R. (2017). Teknik pengambilan organ otak pada mencit untuk penelitian biomedis. *Jurnal Ilmu Kedokteran Hewan*, 11(2), 95–101.
- Dabeek, W.M & Marra, M.V. (2019). *Quercetin dan kaempferol: bioavailabilitas dan potensi bioaktivitas terkait kardiovaskular*. *Nutrisi*, 11(10), 2288. <https://doi.org/10.3390/nu11102288>
- Festing, M.F.W., & Altman, D.G. (2002). *Pedoman untuk desain dan analisis statistik eksperimen menggunakan hewan laboratorium*. *Jurnal ILAR*, 43(4), 244–258.
- Fitriyani, F., Sari, D. P., & Rahman, A. (2023). Epidemiology and management of epilepsy in developing countries. *Journal of Neurological Research*, 15(3), 210–218.
- Freitas, R. M., Vasconcelos, S. M. M., & Sousa, F. C. F. (2021). Oxidative stress in epilepsy: implications for treatment strategies. *Neuroscience Letters*, 741, 135490. <https://doi.org/10.1016/j.neulet.2020.135490>
- Guerra-Ojeda, S., et al. (2021). The role of histone deacetylase inhibition in oxidative stress and neuroprotection. *Antioxidants*, 10(5), 756. <https://doi.org/10.3390/antiox10050756>
- Haskins, J. T., McMahon, L. R., & Baker, L. E. (2023). Carboxymethylcellulose as a vehicle in pharmacological experiments. *Journal of Pharmacological Methods*, 129, 106564. <https://doi.org/10.1016/j.jpharmmeth.2023.106564>
- He, L. Y., Zhang, Y., Li, X., & Chen, H. (2021). Oxidative stress in epilepsy and the role of antioxidant therapy. *International Journal of Molecular Sciences*, 22(15), 8256. <https://doi.org/10.3390/ijms22158256>

- Ighodaro, O. M., & Akinloye, O. A. (2020). First line defence antioxidants—superoxide dismutase (SOD), catalase and glutathione peroxidase: their fundamental role in the entire antioxidant defence grid. *Alexandria Journal of Medicine*, 56(1), 56–70. <https://doi.org/10.1080/20905068.2019.1705616>
- Jauhari, D.H., Maria, D., Chaniago, F.P.A., Rustandi, F.W., Fauzi, A.U.A., Kasyfi, F.Q. & Putri, P.H., 2024. Case report: Epilepsi. *Jurnal Kesehatan Tambusai*, 5(1), 1317.
- Li, B., Wang, L., Sun, Z., Zhou, Y., Shao, D., Zhao, J., Song, Y., Lv, J., Dong, X., Liu, C., Wang, P., Zhang, X., & Cui, R. (2014). The anticonvulsant effects of SR 57227 on pentylenetetrazole-induced seizure in mice. *PloS one*, 9(4), 93158. <https://doi.org/10.1371/journal.pone.0093158>
- Li, X., Wang, Y., & Chen, Z. (2021). Antioxidant enzymes and neuronal protection in experimental epilepsy. *Antioxidants*, 10(7), 1023. <https://doi.org/10.3390/antiox10071023>
- Mitra, S., Lami, M.S., Uddin, T.M., Das, R., Islam, F., Anjum, J., Hossain, M.J. & Emran, T.B. (2022). Prospective multifunctional roles and pharmacological potential of dietary flavonoid narirutin. *Biomedicine & Pharmacotherapy*, 150, 112932. <https://doi.org/10.1016/j.biopha.2022.112932>
- Nakhaee, S., Ghasemi, M., & Mehrpour, O. (2021). Role of oxidative stress in epilepsy and therapeutic approaches. *Journal of Cellular Physiology*, 236(6), 4343–4352. <https://doi.org/10.1002/jcp.30274>
- Patel, M., & Frey, L. C. (2022). Oxidative stress and mitochondrial dysfunction in epilepsy. *Epilepsia*, 63(2), 267–280. <https://doi.org/10.1111/epi.17142>
- Pauletti, A., Terrone, G., Shekh-Ahmad, T., Salamone, A., Ravizza, T., Rizzi, M., Pastore, A., Pascente, R., Liang, L.P., Villa, B.R., et. Al. (2019). *Menargetkan stres oksidatif meningkatkan hasil penyakit pada model tikus epilepsi yang didapat*. *Brain*, 142(7), e39.
- Pizzino, G., Irrera, N., Cucinotta, M., Pallio, G., Mannino, F., Arcoraci, V., Squadrito, F., Altavilla, D. & Bitto, A. (2017). Oxidative stress: harms and benefits for human health. *Oxidative Medicine and Cellular Longevity*, 2017, 8416763. <https://doi.org/10.1155/2017/8416763>
- Qi, Y., Chen, H., Zhang, L., & Li, Y. (2022). Structural characteristics and antioxidant activity of quercetin. *Molecules*, 27(12), 3850. <https://doi.org/10.3390/molecules27123850>
- Rezaei-Seresht, H., Cheshomi, H., Falanji, F., Movahedi-Motlagh, F., & Hashemian, M. (2022). Quercetin in neuroprotection: effects on oxidative stress and bioavailability challenges. *Phytotherapy Research*, 36(1), 123–138. <https://doi.org/10.1002/ptr.7305>
- Rozi, F., Siddiq, M.N.A. & Majiding, C.M. (2023). Analisis kapasitas antioksidan minuman sumber vitamin C. *Jurnal Kesehatan Tambusai*, 4(4), 6105–6111.
- Santos, N. A. G., Martins, N. M., Sisti, F. M., Fernandes, L. S., & Ferreira, R. S. (2021). Pentylenetetrazole-induced seizures are associated with oxidative stress and mitochondrial dysfunction. *Neurochemical Research*, 46(5), 1201–1210. <https://doi.org/10.1007/s11064-021-03262-4>
- Shankar, R., Donner, E. J., & McLean, B. (2024). Drug-resistant epilepsy: challenges and treatment strategies. *The Lancet Neurology*, 23(1), 52–64. [https://doi.org/10.1016/S1474-4422\(23\)00345-8](https://doi.org/10.1016/S1474-4422(23)00345-8)

- Sharma, A., Gupta, Y. K., & Dixit, A. (2022). Recurrent seizures and oxidative stress: role of antioxidant defense in epilepsy. *Neuroscience Letters*, 765, 136295. <https://doi.org/10.1016/j.neulet.2021.136295>
- Singh, A., & Kumar, V. (2021). Oxidative stress and antioxidant defense in seizure disorders. *Neuroscience Letters*, 742, 135515. <https://doi.org/10.1016/j.neulet.2021.135515>
- Tavakoli, N., Ghasemi, M., & Rahimi, N. (2023). Protective effects of quercetin against pentilentetrazol-induced seizures and oxidative stress in rats. *Biomedicine & Pharmacotherapy*, 161, 114421. <https://doi.org/10.1016/j.biopha.2023.114421>
- World Health Organization. (2024). *Epilepsy: A public health imperative*. Geneva: World Health Organization. <https://www.who.int/publications/i/item/epilepsy-a-public-health-imperative>
- Xu, D., Hu, M. J., Wang, Y. Q., & Cui, Y. L. (2021). Antioxidant activities of quercetin and its molecular mechanisms. *Food Chemistry*, 344, 128620. <https://doi.org/10.1016/j.foodchem.2020.128620>
- Yilgor, S., & Demir, R. (2024). Antioxidant enzyme alterations in epilepsy models: focus on superoxide dismutase. *Journal of Neurochemistry*, 168(3), 415–427. <https://doi.org/10.1111/jnc.15845>
- Zhang, Y., Li, H., & Wang, X. (2024). Neuroprotective effects of quercetin in neurological disorders. *Frontiers in Neuroscience*, 18, 1294432. <https://doi.org/10.3389/fnins.2024.1294432>
- Zheng, M., Liu, Y., Zhang, G., Yang, Z., Xu, W.W. & Chen, Q. (2023). Applications and mechanisms of superoxide dismutase in medicine, food, and cosmetics. *Antioxidants (Basel)*, 12(9), 1675. <https://doi.org/10.3390/antiox12091675>
- Zhong, Q., Li, Y., & Zhao, J. (2024). Molecular mechanisms of quercetin as an antioxidant compound. *Antioxidants*, 13(5), 612. <https://doi.org/10.3390/antiox13050612>
- Zhou, X., Zhang, Y., Li, H., & Wang, X. (2020). Valproic acid regulates oxidative stress and neuroprotection in the brain. *Neuropharmacology*, 166, 107980. <https://doi.org/10.1016/j.neuropharm.2019.107980>