

## DAFTAR PUSTAKA

- Al-Hatamleh, M. A. I., Alshaer, W., Hatmal, M. M., Lambuk, L., Ahmed, N., Mustafa, M. Z., Low, S. C., Jaafar, J., Ferji, K., Six, J. L., Uskoković, V., & Mohamud, R. (2022). Applications of Alginate-Based Nanomaterials in Enhancing the Therapeutic Effects of Bee Products. In *Frontiers in Molecular Biosciences* (Vol. 9). Frontiers Media S.A. <https://doi.org/10.3389/fmolb.2022.865833>
- Anal, J. M. H., Mozhui, L., & Rokhum, S. L. (2025). Unveiling the therapeutic potential of insect-derived natural products for drug discovery. Future Journal of Pharmaceutical Sciences, 11(1), 2.
- Arantes-Rodrigues, R., Henriques, A., Pinto-Leite, R., Faustino-Rocha, A., Pinho-Oliveira, J., Teixeira-Guedes, C., ... & Oliveira, P. A. (2012). The effects of repeated oral gavage on the health of male CD-1 mice. Lab animal, 41(5), 129-134.
- Arantes-Rodrigues, R., Henriques, A., Pinto-Leite, R., Faustino-Rocha, A., Pinho-Oliveira, J., Teixeira-Guedes, C., ... & Oliveira, P. A. (2012). The effects of repeated oral gavage on the health of male CD-1 mice. Lab animal, 41(5), 129-134.
- Bihaqi, S. W., Singh, A. P., & Tiwari, M. (2011). In vivo investigation of the neuroprotective property of Convolvulus pluricaulis in scopolamine-induced cognitive impairments in Wistar rats. Indian journal of pharmacology, 43(5), 520-525.
- Bingqian, N., Ali Shah, A., Matra, M., Wanapat, M., Ullah Khan, R., Ahmad, S., ... & Kamal Shah, M. (2023). Insect bioactive compounds and their potential use in animal diets and medicine. Entomological Research, 53(11), 429-443.
- Bingqian, N., Ali Shah, A., Matra, M., Wanapat, M., Ullah Khan, R., Ahmad, S., ... & Kamal Shah, M. (2023). Insect bioactive compounds and their potential use in animal diets and medicine. Entomological Research, 53(11), 429-443.

- Braga, L. L. V. de M., Simão, G., Schiebel, C. S., Oliveira, Y. F., da Rosa, L. B., Gois, M. B., Fernandes, E. S., & Maria-Ferreira, D. (2024). *Tenebrio molitor* as a new alternative model for the investigation of chemotherapy-induced intestinal toxicity. *Pharmacological Research - Reports*, 2, 100013. <https://doi.org/10.1016/j.prerep.2024.100013>
- Cutuli, M. A., Petronio Petronio, G., Vergalito, F., Magnifico, I., Pietrangelo, L., Venditti, N., & Di Marco, R. (2019). *Galleria mellonella* as a consolidated in vivo model hosts: New developments in antibacterial strategies and novel drug testing. In *Virulence* (Vol. 10, Issue 1, pp. 527–541). Taylor and Francis Inc. <https://doi.org/10.1080/21505594.2019.1621649>
- D'Antonio, V., Battista, N., Sacchetti, G., Di Mattia, C., & Serafini, M. (2023). Functional properties of edible insects: a systematic review. *Nutrition research reviews*, 36(1), 98-119.
- Devi, W. D., Bonysana, R., Kapesa, K., Mukherjee, P. K., & Rajashekhar, Y. (2023). Edible insects: As traditional medicine for human wellness. In *Future Foods* (Vol. 7). Elsevier B.V. <https://doi.org/10.1016/j.fufo.2023.100219>
- Fakhlaei, R., Selamat, J., Khatib, A., Razi, A. F. A., Sukor, R., Ahmad, S., & Babadi, A. A. (2020). The toxic impact of honey adulteration: A review. In *Foods* (Vol. 9, Issue 11). MDPI AG. <https://doi.org/10.3390/foods9111538>
- Feng, S. (2018). *Tenebrio molitor* L., entomophagy and processing into ready to use therapeutic ingredients: a review. *Journal of Nutritional Health & Food Engineering*, 8(3). <https://doi.org/10.15406/jnhfe.2018.08.00283>
- Ferrazzano, G. F., D'Ambrosio, F., Caruso, S., Gatto, R., & Caruso, S. (2023). Bioactive Peptides Derived from Edible Insects: Effects on Human Health and Possible Applications in Dentistry. In *Nutrients* (Vol. 15, Issue 21). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/nu15214611>
- Handayani, S. W., Susilo, D., Wardani, A. T., & Anggraeni, Y. M. (2022). Uji Toksisitas Akut Nanoinsektisida Tembakau (*Nicotiana tabacum* L.) terhadap Mencit The Acute Toxicity Test of Nanoinsecticide of Tobacco (*Nicotiana tabacum* L) by Using Mice.

- Im, A. R., Ji, K. Y., Park, I., Lee, J. Y., Kim, K. M., Na, M., & Chae, S. (2019). Anti-photoaging effects of four insect extracts by downregulating matrix metalloproteinase expression via mitogen-activated protein kinase-dependent signaling. *Nutrients*, 11(5), 1159.
- Kaur, G., Sarao, P. S., & Chhabra, N. (2023). Therapeutic use of insects and insect products.
- Kipkoech, C., Jaster-Keller, J., Gottschalk, C., Wesonga, J. M., & Maul, R. (2023). African traditional use of edible insects and challenges towards the future trends of food and feed. *Journal of Insects as Food and Feed*, 9(8), 965-988.
- Kovalzon, V. M., Ambaryan, A. V, Revishchin, A. V, Pavlova, G. V, Rybalkina, E. Y., Bastrakov, A.-S. I., & Ushakova, N. A. (2021). *Biological Activity of the Tenebrionidae Beetle Antioxidant Complex in a Murine Neurotoxic Model of Parkinson's Disease*. 57.
- Landraud, L., Jauréguy, F., Frapy, E., Guigon, G., Gouriou, S., Carbonnelle, E., ... & Nassif, X. (2013). Severity of Escherichia coli bacteraemia is independent of the intrinsic virulence of the strains assessed in a mouse model. *Clinical microbiology and infection*, 19(1), 85-90.
- Lee, K. S., Lee, M. G., Jeong, K., Yun, E. Y., & Goo, T. W. (2025). Medium-Chain Fatty Acids Extracted from Black Soldier Fly (*Hermetia illucens*) Larvae Prevents High-Fat Diet-Induced Obesity In Vivo in C57BL/6J Mice. *Animals*, 15(10). <https://doi.org/10.3390/ani15101384>
- Liceaga, A. M., Eleazar Aguilar-Toalá, J., Vallejo-Cordoba, B., González-Córdova, A. F., & Hernández-Mendoza, A. (2022). Annual Review of Food Science and Technology y Desarrollo A.C. *Rev. Food Sci. Technol.* 2022, 27, 19–34. <https://doi.org/10.1146/annurev-food-052720>
- Long, N., Deng, J., Qiu, M., Zhang, Y., Wang, Y., Guo, W., Dai, M., & Lin, L. (2022). Inflammatory and pathological changes in Escherichia coli infected mice. *Heliyon*, 8(12). <https://doi.org/10.1016/j.heliyon.2022.e12533>
- Lynikienė, J., Tamutis, V., Gedminas, A., Marčiulynas, A., & Menkis, A. (2021). First report of the larch longhorn (*Tetropium gabrieli* Weise, Coleoptera: Cerambycidae: Spondylidinae) on Larix spp. in Lithuania. *Insects*, 12(10), 911.
- M Yusuf, M. Y., & Al-Gizar, M. R. (2022). Teknik Manajemen dan Pengelolaan Hewan Percobaan (Memahami Perawatan Dan Kesejahteraan Hewan Percobaan).

- Mansuroh, F. (2013). Uji Toksisitas Akut Ekstrak Etanol Kulit Akar Ginseng Kuning (*Rennellia elliptica* Korth.) terhadap Mencit (*Mus musculus*).
- Mohawk, K. L., & O' Brien, A. D. (2011). Mouse models of *Escherichia coli* O157: H7 infection and shiga toxin injection. *BioMed Research International*, 2011(1), 258185.
- Mozhui, L., Kakati, L. N., & Meyer-Rochow, V. B. (2021). Entomotherapy: a study of medicinal insects of seven ethnic groups in Nagaland, North-East India. *Journal of Ethnobiology and Ethnomedicine*, 17(1). <https://doi.org/10.1186/s13002-021-00444-1>
- Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). USE OF MICE AS EXPERIMENTAL ANIMALS IN LABORATORIES THAT REFER TO THE PRINCIPLES OF ANIMAL WELFARE: A LITERATURE REVIEW. *Indonesia Medicus Veterinus*, 10(1), 134–145. <https://doi.org/10.19087/imv.2020.10.1.134>
- Niroumand, M. C., Farzaei, M. H., Razkenari, E. K., Amin, G., Khanavi, M., Akbarzadeh, T., & Shams-Ardekani, M. R. (2016). An evidence-based review on medicinal plants used as insecticide and insect repellent in traditional Iranian medicine. *Iranian Red Crescent Medical Journal*, 18(2), e22361.
- Nuraprilia, N. S., Zahara, B. R. E., Riadi, P. O., Afriliani, T., Wandeni, K. A., Awwalin, M. Z. F., & Aini, S. R. (2023). Uji Efektivitas Antidiare Obat Herbal X pada Mencit (*Mus musculus*) galur Swiss Webster yang diinduksi Minyak Jarak (*Oleum ricini*). *Journal of Pharmaceutical and Health Research*, 4(2), 278-284.
- Ominde, K. M., Kamau, Y., Karisa, J., Muturi, M. N., Kiuru, C., Wanjiku, C., ... & Maia, M. F. (2023). A field bioassay for assessing ivermectin bio-efficacy in wild malaria vectors. *Malaria Journal*, 22(1), 291.
- Pereira, V., Figueira, O., & Castilho, P. C. (2024). Flavonoids as insecticides in crop protection—a review of current research and future prospects. *Plants*, 13(6), 776.
- Quah, Y., Tong, S. R., Bojarska, J., Giller, K., Tan, S. A., Ziora, Z. M., ... & Chai, T. T. (2023). Bioactive peptide discovery from edible insects for potential applications in human health and agriculture. *Molecules*, 28(3), 1233.

- Rahmawati, A. S., & Erina, R. (2020). Rancangan acak lengkap (RAL) dengan uji anova dua jalur. *OPTIKA: Jurnal Pendidikan Fisika*, 4(1), 54-62.
- Sánchez-Estrada, M. de la L., Aguirre-Becerra, H., & Feregrino-Pérez, A. A. (2024). Bioactive compounds and biological activity in edible insects: A review. In *Heliyon* (Vol. 10, Issue 2). Elsevier Ltd. <https://doi.org/10.1016/j.heliyon.2024.e24045>
- Segú, H., Jalševac, F., Sierra-Cruz, M., Feliu, F., Movassat, J., Rodríguez-Gallego, E., Terra, X., Pinent, M., Ardévol, A., & Blay, M. T. (2024). Assessing the impact of insect protein sources on intestinal health and disease: insights from human ex vivo and rat in vivo models. *Food and Function*, 15(8), 4552–4563. <https://doi.org/10.1039/d4fo00381k>
- Sugiyono. (2013). *METODE PENELITIAN KUANTITATIF*.
- Sukabumi, S. P. (2022). Teknik pengambilan sampel umum dalam metodologi penelitian: Literature review. *Jurnal Ilmiah Pendidikan Holistik (JIPH)*, 1(2), 85-114.
- Sumaryati, B. T., Utami, T., & Suparmo, S. (2009). Pengaruh infeksi Escherichia coli dan pemberian Lactobacillus plantarum Dad 13 terhadap mikrobiota feses tikus wistar. *AgriTECH*, 29(4).
- Sun, Y. Y., Ni, Y. J., Wang, R. J., Qin, Z. C., Liu, Z., Xiao, L. H., & Liu, Y. Q. (2024). Establishment and validation of a transdermal drug delivery system for the anti-depressant drug citalopram hydrobromide. *Molecules*, 29(4), 767.
- Szczepanik, K., & Świątkiewicz, M. (2024). *Hermetia illucens* as a source of antimicrobial peptides – a review of in vitro and in vivo studies. *Annals of Animal Science*, 24(1), 77–88. <https://doi.org/10.2478/aoas-2023-0071>
- Torres-Castillo, J. A., & Olazarán-Santibáñez, F. E. (2023). Insects as source of phenolic and antioxidant entomochemicals in the food industry. *Frontiers in Nutrition*, 10, 1133342.
- Wang, Q., Wang, R., Zheng, C., Zhang, L., Meng, H., Zhang, Y., ... & Wang, J. (2022). Anticonvulsant activity of bombyx batryticatus and analysis of bioactive extracts based on UHPLC-Q-TOF MS/MS and molecular networking. *Molecules*, 27(23), 8315.

- Willianto, H. C., & Wijayahadi, N. (2016). Pengaruh Pemberian Ramuan Ekstrak Produk X Sebagai Analgesik Pada Mencit. *Jurnal Kedokteran Diponegoro (Diponegoro Medical Journal)*, 5(4), 972-981.
- Winarno. (2018). *Arikunto*.
- Zeng, X., Du, Z., Ding, X., & Jiang, W. (2021). Protective effects of dietary flavonoids against pesticide-induced toxicity: A review. *Trends in Food Science & Technology*, 109, 271-279.
- Zhao, J., Meng, Z., Ma, X., Zhao, S., An, Y., & Xiao, Z. (2021). Characterization and regulation of the acetolactate synthase genes involved in acetooin biosynthesis in *Acetobacter pasteurianus*. *Foods*, 10(5), 1013.
- Zheng, M., Tang, D., & Xu, A. (2022). Attribute-driven or green-driven: the impact of subjective and objective knowledge on sustainable tea consumption. *Foods*, 12(1), 152.