

DAFTAR PUSTAKA

- Adrião, A. A. X., Dos Santos, A. O., De Lima, E. J. S. P., Maciel, J. B., Paz, W. H. P., Da Silva, F. M. A., Pucca, M. B., Moura-da-Silva, A. M., Monteiro, W. M., Sartim, M. A., & Koolen, H. H. F. (2022). Plant-Derived Toxin Inhibitors as Potential Candidates to Complement Antivenom Treatment in Snakebite Envenomations. *Frontiers in Immunology*, 13, 842576. <https://doi.org/10.3389/fimmu.2022.842576>
- Afroz, A., Siddiquea, B. N., Chowdhury, H. A., Jackson, T. N., & Watt, A. D. (2024). Snakebite envenoming: A systematic review and meta-analysis of global morbidity and mortality. *PLOS Neglected Tropical Diseases*, 18(4), e0012080. <https://doi.org/10.1371/journal.pntd.0012080>
- Alya, S. N., Rochmawaty, E., Achadiyani, Bashari, M. H., & Soedjana, H. (2022). Snakebites and the Effect of Serum Anti Bisa Ular (SABU) Antivenom at Dr. Hasan Sadikin General Hospital Bandung, Indonesia: An Overview Period 2015–2019. *Althea Medical Journal*, 9(1), 6–11. <https://doi.org/10.15850/amj.v9n1.2392>
- Anita, S., Sadjuri, A. R., Rahmah, L., Nugroho, H. A., Mulyadi, Trilaksono, W., Ridhani, W., Safira, N., Bahtiar, H., Maharani, Hamidy, A., & Azhari, A. (2022). Venom composition of *Trimeresurus albolabris*, *T. insularis*, *T. puniceus* and *T. purpureomaculatus* from Indonesia. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, 28, e20210103. <https://doi.org/10.1590/1678-9199-jvatitd-2021-0103>

- Babu, A. K., Kumaresan, G., Raj, V. A. A., & Velraj, R. (2018). Review of leaf drying: Mechanism and influencing parameters, drying methods, nutrient preservation, and mathematical models. *Renewable and Sustainable Energy Reviews*, 90, 536–556. <https://doi.org/10.1016/j.rser.2018.04.002>
- Baldo, C., Jamora, C., Yamanouye, N., Zorn, T. M., & Moura-da-Silva, A. M. (2010). Mechanisms of Vascular Damage by Hemorrhagic Snake Venom Metalloproteinases: Tissue Distribution and In Situ Hydrolysis. *PLoS Neglected Tropical Diseases*, 4(6), e727. <https://doi.org/10.1371/journal.pntd.0000727>
- Bartlett, K. E., Hall, S. R., Rasmussen, S. A., Crittenden, E., Dawson, C. A., Albulescu, L.-O., Laprade, W., Harrison, R. A., Saviola, A. J., Modahl, C. M., Jenkins, T. P., Wilkinson, M. C., Gutiérrez, J. M., & Casewell, N. R. (2024). Dermonecrosis caused by a spitting cobra snakebite results from toxin potentiation and is prevented by the repurposed drug varespladib. *Proceedings of the National Academy of Sciences*, 121(19), e2315597121. <https://doi.org/10.1073/pnas.2315597121>
- Bhatta, S., Stevanovic Janezic, T., & Ratti, C. (2020). Freeze-Drying of Plant-Based Foods. *Foods*, 9(1), 87. <https://doi.org/10.3390/foods9010087>
- Bittenbinder, M. A., Van Thiel, J., Cardoso, F. C., Casewell, N. R., Gutiérrez, J.-M., Kool, J., & Vonk, F. J. (2024). Tissue damaging toxins in snake venoms: Mechanisms of action, pathophysiology and treatment strategies. *Communications Biology*, 7(1), 358. <https://doi.org/10.1038/s42003-024-06019-6>

- Brimo Alsaman, M. Z., Toutounji, Z., Arab, R., Al Sam, S. O., Alhaj Akil, M. A., Kenno, M. F., Al Ballan, M. A., Roumiah, D., Alhamad, Q., Muqayyd, M. S., & Remmo, K. R. (2023). Successful management of late stage of acute compartment syndrome after 72 h snake bite in 8-year-old female. A case report. *Trauma Case Reports*, 47, 100922. <https://doi.org/10.1016/j.tcr.2023.100922>
- Chen, W., Gast, K. L. B., & Smithey, S. (2000). The effects of different freeze-drying processes on the moisture content, color, and physical strength of roses and carnations. *Scientia Horticulturae*, 84(3–4), 321–332. [https://doi.org/10.1016/S0304-4238\(99\)00106-5](https://doi.org/10.1016/S0304-4238(99)00106-5)
- Choi, J., Marshall, B., Ko, H., Shi, H., Singh, A. K., Thippareddi, H., Holladay, S., Gogal, R. M., & Kim, W. K. (2022). Antimicrobial and immunomodulatory effects of tannic acid supplementation in broilers infected with *Salmonella* Typhimurium. *Poultry Science*, 101(11), 102111. <https://doi.org/10.1016/j.psj.2022.102111>
- Dafa, M. H., & Suyanto, S. (2021). Kasus Gigitan Ular di Indonesia. *Jurnal Pengabdian Masyarakat MIPA Dan Pendidikan MIPA*, 5(1), 47–52. <https://doi.org/10.21831/jpmmp.v5i1.29343>
- Dagawal & Tarekar. (2017). Pharmacognostic Studies of *Vernonia cinerea* (L.) Leaves—An Antismoking Plant. *World Journal of Pharmaceutical Research*, 6(1), 875–882.
- Dey, A., & De, J. (2011). Traditional Use of Plants against Snakebite in Indian Subcontinent: A Review of the Recent Literature. *African Journal of*

Traditional, Complementary and Alternative Medicines, 9(1), 153–174.

<https://doi.org/10.4314/ajtcam.v9i1.20>

Dias Da Silva, W., De Andrade, S. A., Megale, Â. A. A., De Souza, D. A., Sant'Anna, O. A., Magnoli, F. C., Guidolin, F. R., Godoi, K. S., Saladini, L. Y., Spencer, P. J., & Portaro, F. C. V. (2022). Antibodies as Snakebite Antivenoms: Past and Future. *Toxins*, 14(9), 606.
<https://doi.org/10.3390/toxins14090606>

Ferreira, S. D. S., Silva, D. P. D., Torres-Rêgo, M., Silva-Júnior, A. A. D., & Fernandes-Pedrosa, M. D. F. (2022). The potential of phenolic acids in therapy against snakebites: A review. *Toxicon*, 208, 1–12.
<https://doi.org/10.1016/j.toxicon.2021.12.019>

Fox, J. W., & Serrano, S. M. T. (2005). Structural considerations of the snake venom metalloproteinases, key members of the M12 reprotolysin family of metalloproteinases. *Toxicon*, 45(8), 969–985.
<https://doi.org/10.1016/j.toxicon.2005.02.012>

Freitas-de-Sousa, L., Colombini, M., Lopes-Ferreira, M., Serrano, S., & Moura-da-Silva, A. (2017). Insights into the Mechanisms Involved in Strong Hemorrhage and Dermonecrosis Induced by Atroxlysin-Ia, a PI-Class Snake Venom Metalloproteinase. *Toxins*, 9(8), 239.
<https://doi.org/10.3390/toxins9080239>

Gamulin, E., Mateljak Lukačević, S., Halassy, B., & Kurtović, T. (2023). Snake Antivenoms—Toward Better Understanding of the Administration Route. *Toxins*, 15(6), 398. <https://doi.org/10.3390/toxins15060398>

- Gelis, Etriwati, Erwin, Nazarudin, Zainuddin, & Muttaqien. (2020). Histopatologi Ginjal Tikus Putih (*Rattus norvegicus*) Setelah Implan Wire Material Logam. *Jurnal Ilmiah Mahasiswa Veteriner*, 4(4), 101–106.
- Gutiérrez, J., Escalante, T., Rucavado, A., & Herrera, C. (2016). Hemorrhage Caused by Snake Venom Metalloproteinases: A Journey of Discovery and Understanding. *Toxins*, 8(4), 93. <https://doi.org/10.3390/toxins8040093>
- Gutiérrez, J., Solano, G., Pla, D., Herrera, M., Segura, Á., Vargas, M., Villalta, M., Sánchez, A., Sanz, L., Lomonte, B., León, G., & Calvete, J. (2017). Preclinical Evaluation of the Efficacy of Antivenoms for Snakebite Envenoming: State-of-the-Art and Challenges Ahead. *Toxins*, 9(5), 163. <https://doi.org/10.3390/toxins9050163>
- Hernández-Bolio, G. I., Dzul-Romero, R. E., Maldonado Velázquez, M. G., Zamora Cresencio, P., Hernández-Núñez, E., & Aguirre-Crespo, F. J. (2019). The Influence of Drying Temperatures on the Metabolic Profiles and Antioxidant Activity of *Manilkara zapota* Leaves. *Metabolites*, 9(10), 217. <https://doi.org/10.3390/metabo9100217>
- Jones, B. K., Saviola, A. J., Reilly, S. B., Stubbs, A. L., Arida, E., Iskandar, D. T., McGuire, J. A., Yates, J. R., & Mackessy, S. P. (2019). Venom Composition in a Phenotypically Variable Pit Viper (*Trimeresurus insularis*) across the Lesser Sunda Archipelago. *Journal of Proteome Research*, 18(5), 2206–2220. <https://doi.org/10.1021/acs.jproteome.9b00077>
- Ketsuwan, N., Leelarungrayub, J., Kothan, S., & Singhatong, S. (2017). Antioxidant compounds and activities of the stem, flower, and leaf extracts

of the anti-smoking Thai medicinal plant: *Vernonia cinerea* Less. *Drug Design, Development and Therapy, Volume 11*, 383–391.
<https://doi.org/10.2147/DDDT.S126882>

Laprade, W., Bartlett, K. E., Christensen, C. R., Kazandjian, T. D., Patel, R. N., Crittenden, E., Dawson, C. A., Mansourvar, M., Wolff, D. S., Fryer, T., Laustsen, A. H., Casewell, N. R., Gutiérrez, J. M., Hall, S. R., & Jenkins, T. P. (2023). Machine-learning guided Venom Induced Dermonecrosis Analysis tool: VIDAL. *Scientific Reports*, 13(1), 21662.
<https://doi.org/10.1038/s41598-023-49011-6>

Li, J. L., Goh, C. C., Keeble, J. L., Qin, J. S., Roediger, B., Jain, R., Wang, Y., Chew, W. K., Weninger, W., & Ng, L. G. (2012). Intravital multiphoton imaging of immune responses in the mouse ear skin. *Nature Protocols*, 7(2), 221–234.
<https://doi.org/10.1038/nprot.2011.438>

Lizarzaburu-Ortiz, C., Yumi, G., Carvajal, A., Pachacama, A. B., Berrazueta, A., & Rojas, E. (2022). A Rare and Urgent Consequence After a Snake Bite. *Cureus*. <https://doi.org/10.7759/cureus.21910>

Moura-da-Silva, A. M., Ramos, O. H. P., Baldo, C., Niland, S., Hansen, U., Ventura, J. S., Furlan, S., Butera, D., Della-Casa, M. S., Tanjoni, I., Clissa, P. B., Fernandes, I., Chudzinski-Tavassi, A. M., & Eble, J. A. (2008). Collagen binding is a key factor for the hemorrhagic activity of snake venom metalloproteinases. *Biochimie*, 90(3), 484–492.
<https://doi.org/10.1016/j.biochi.2007.11.009>

- O’Leary, M. A., & Isbister, G. K. (2009). Commercial monovalent antivenoms in Australia are polyvalent. *Toxicon*, 54(2), 192–195.
<https://doi.org/10.1016/j.toxicon.2009.04.004>
- Omara, T., Kagoya, S., Openy, A., Omute, T., Ssebulime, S., Kiplagat, K. M., & Bongomin, O. (2020). Antivenin plants used for treatment of snakebites in Uganda: Ethnobotanical reports and pharmacological evidences. *Tropical Medicine and Health*, 48(1), 6. <https://doi.org/10.1186/s41182-019-0187-0>
- Osipov, A., & Utkin, Y. (2023). What Are the Neurotoxins in Hemotoxic Snake Venoms? *International Journal of Molecular Sciences*, 24(3), 2919.
<https://doi.org/10.3390/ijms24032919>
- Panjaitan, C., Suprihati, E., Yudhana, A., Hastutiek, P., Wibawati, P. A., & Purnama, M. T. E. (2021). Acanthocephaliasis in White-lipped Green Pitviper (*Trimeresurus insularis*). *Jurnal Medik Veteriner*, 4(1), 155.
<https://doi.org/10.20473/jmv.vol4.iss1.2021.155-159>
- Premendran, S. J., Salwe, K. J., Pathak, S., Brahmane, R., & Manimekalai, K. (2011). Anti-cobra venom activity of plant *Andrographis paniculata* and its comparison with polyvalent anti-snake venom. *Journal of Natural Science, Biology, and Medicine*, 2(2), 198–204. <https://doi.org/10.4103/0976-9668.92326>
- Raghavan, S., & Jayaraman, G. (2021). Synergistic effect of flavonoids combined with antivenom on neutralisation of *Naja naja* venom. *Asian Pacific Journal of Tropical Biomedicine*, 11(7), 298. <https://doi.org/10.4103/2221-1691.309665>

- Rakha, A., Umar, N., Rabail, R., Butt, M. S., Kieliszek, M., Hassoun, A., & Aadil, R. M. (2022). Anti-inflammatory and anti-allergic potential of dietary flavonoids: A review. *Biomedicine & Pharmacotherapy*, *156*, 113945. <https://doi.org/10.1016/j.biopha.2022.113945>
- Ratanabanangkoon, K. (2023). Polyvalent Snake Antivenoms: Production Strategy and Their Therapeutic Benefits. *Toxins*, *15*(9), 517. <https://doi.org/10.3390/toxins15090517>
- Rathore, A. S., Kumar, R., & Tiwari, O. S. (2023). Recent advancements in snake antivenom production. *International Journal of Biological Macromolecules*, *240*, 124478. <https://doi.org/10.1016/j.ijbiomac.2023.124478>
- Resiere, D., Mehdaoui, H., & Nevriere, R. (2022). Inflammation and Oxidative Stress in Snakebite Envenomation: A Brief Descriptive Review and Clinical Implications. *Toxins*, *14*(11), 802. <https://doi.org/10.3390/toxins14110802>
- Slagboom, J., Kool, J., Harrison, R. A., & Casewell, N. R. (2017). Haemotoxic snake venoms: Their functional activity, impact on snakebite victims and pharmaceutical promise. *British Journal of Haematology*, *177*(6), 947–959. <https://doi.org/10.1111/bjh.14591>
- Sonibare, M. A., Aremu, O. T., & Okorie, P. N. (2016). Antioxidant and antimicrobial activities of solvent fractions of *Vernonia cinerea* (L.) Less leaf extract. *African Health Sciences*, *16*(2), 629. <https://doi.org/10.4314/ahs.v16i2.34>

- Supriatna, Fauzan, & Umam. (2017). Uji Efektivitas Antipiretik Sustensi Ekstrak Daun Sawi Langit (*Vernonia cinerea* L.) pada Tikus Jantan (*Rattus Norvegicus*). *Jurnal Farmasi Dan Sains*, 1(1).
- Theja, D. D., & Nirmala, S. (2023). A review of *Vernonia cinerea* L. ethno-medicinal uses and pharmacology shows that it could be a useful plant for medical purposes. *Intelligent Pharmacy*, S2949866X23001193. <https://doi.org/10.1016/j.ipha.2023.11.005>
- Wei, J. C. J., Edwards, G. A., Martin, D. J., Huang, H., Crichton, M. L., & Kendall, M. A. F. (2017). Allometric scaling of skin thickness, elasticity, viscoelasticity to mass for micro-medical device translation: From mice, rats, rabbits, pigs to humans. *Scientific Reports*, 7(1), 15885. <https://doi.org/10.1038/s41598-017-15830-7>
- Zulfikar, F. A., Sari, T. K., & Suartini, I. G. A. A. (2024). Profil Protein Bisa Ular Viper Hijau / Ekor Merah (*Trimeresurus insularis*) di Bali. *Jurnal Veteriner*, 25(3), 384–391. <https://doi.org/10.19087/jveteriner.2024.25.3.384>