

DAFTAR PUSTAKA

- Abbas, A. K., Lichtman, A. H., Pillai, S., & Baker, D. L. (2022). *Cellular and molecular immunology* (Tenth edition). Elsevier.
- Abu-Hijleh, M. F., Habbal, O. A., & Moqattash, S. T. (1995). The role of the diaphragm in lymphatic absorption from the peritoneal cavity. *Journal of Anatomy*, 186 (Pt 3)(Pt 3), 453–467.
- Adisakwattana, P., Chanhom, L., Chaibut, N., Phuphisut, O., Reamtong, O., & Thawornkuno, C. (2023a). Venom-gland transcriptomics of the Malayan pit viper (*Calloselasma rhodostoma*) for identification, classification, and characterization of venom proteins. *Heliyon*, 9(5), e15476. <https://doi.org/10.1016/j.heliyon.2023.e15476>
- Adisakwattana, P., Chanhom, L., Chaibut, N., Phuphisut, O., Reamtong, O., & Thawornkuno, C. (2023b). Venom-gland transcriptomics of the Malayan pit viper (*Calloselasma rhodostoma*) for identification, classification, and characterization of venom proteins. *Heliyon*, 9(5), e15476. <https://doi.org/10.1016/j.heliyon.2023.e15476>
- Adiwinata, R., & Nelwan, E. J. (2015). Snakebite in Indonesia. *Acta Medica Indonesiana*, 47(4), 358–365.
- Ajisebiola, B. S., Alamu, P. I., James, A. S., & Adeyi, A. O. (2022). Echis ocellatus Venom-Induced Reproductive Pathologies in Rat Model; Roles of Oxidative Stress and Pro-Inflammatory Cytokines. *Toxins*, 14(6), 378. <https://doi.org/10.3390/toxins14060378>

- Albuquerque, P. L. M. M., Paiva, J. H. H. G. L., Martins, A. M. C., Meneses, G. C., Silva Júnior, G. B. D., Buckley, N., & Daher, E. D. F. (2020). Clinical assessment and pathophysiology of Bothrops venom-related acute kidney injury: A scoping review. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, 26, e20190076. <https://doi.org/10.1590/1678-9199-jvatitd-2019-0076>
- Anita, S., Sadjuri, A. R., Rahmah, L., Nugroho, H. A., Mulyadi, Trilaksono, W., Ridhani, W., Safira, N., Bahtiar, H., Maharani, Hamidy, A., & Azhari, A. (2022a). 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>
- Anita, S., Sadjuri, A. R., Rahmah, L., Nugroho, H. A., Mulyadi, Trilaksono, W., Ridhani, W., Safira, N., Bahtiar, H., Maharani, Hamidy, A., & Azhari, A. (2022b). 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>
- Aphrodita, A., Sentono, D. N., Yudha, D. S., Purwestri, Y. A., Nuringtyas, T. R., Raharjo, S., Wahid, I., Rahmi, S. N., Wahyudi, S. T., & Sofyantoro, F. (2025). Comparative analysis of hemotoxic, myotoxic, and inflammatory

- profiles of *Calloselasma rhodostoma* and *Trimeresurus insularis* venoms in mice. *Narra J*, 5(2), e1874. <https://doi.org/10.52225/narraj.v5i2.1874>
- Bain, B. J., Bates, I., Laffan, M. A., & Lewis, S. M. (Eds.). (2017). *Dacie and Lewis practical haematology* (Twelfth edition). Elsevier.
- Berling, I., & Isbister, G. K. (2015). Hematologic Effects and Complications of Snake Envenoming. *Transfusion Medicine Reviews*, 29(2), 82–89. <https://doi.org/10.1016/j.tmr.2014.09.005>
- Bettendorf, U. (1978). Lymph flow mechanism of the subperitoneal diaphragmatic lymphatics. *Lymphology*, 11(3), 111–116.
- Blair, P., & Flaumenhaft, R. (2009). Platelet α -granules: Basic biology and clinical correlates. *Blood Reviews*, 23(4), 177–189. <https://doi.org/10.1016/j.blre.2009.04.001>
- Casarett, L. J., Doull, J., & Klaassen, C. D. (Eds.). (2008). *Casarett and Doull's toxicology: The basic science of poisons* (7. ed). McGraw-Hill Medical.
- Dani, P. (2018). *Hubungan Antara Jenis Ular Berbisa, Lokasi Geografi, Dan Penanganan Prehospital Dengan Outcome Pasien Gigitan Ular*. Universitas Brawijaya.
- Everds, N. E., Snyder, P. W., Bailey, K. L., Bolon, B., Creasy, D. M., Foley, G. L., Rosol, T. J., & Sellers, T. (2013). Interpreting Stress Responses during Routine Toxicity Studies: A Review of the Biology, Impact, and Assessment. *Toxicologic Pathology*, 41(4), 560–614. <https://doi.org/10.1177/0192623312466452>

- Finney, D. J. (1971). Probit Analysis. *Journal of Pharmaceutical Sciences*, 60(9), 1432. <https://doi.org/10.1002/jps.2600600940>
- Gómez, A., Sánchez, A., Durán, G., Cordero, D., Segura, Á., Vargas, M., Solano, D., Herrera, M., Chaves-Araya, S., Villalta, M., Sánchez, M., Arguedas, M., Díaz, C., Gutiérrez, J. M., & León, G. (2022). Intrageneric cross-reactivity of monospecific rabbit antisera against venoms of the medically most important *Bitis* spp. And *Echis* spp. African snakes. *PLOS Neglected Tropical Diseases*, 16(8), e0010643. <https://doi.org/10.1371/journal.pntd.0010643>
- Goris, R. C. (2011). Infrared Organs of Snakes: An Integral Part of Vision. *Journal of Herpetology*, 45(1), 2–14. <https://doi.org/10.1670/10-238.1>
- Gould, A. L. (1973). Probit Analysis, 3rd edition. *Technometrics*, 15(1), 197–199. <https://doi.org/10.1080/00401706.1973.10489027>
- Gutiérrez, J. (2000). Snake venom metalloproteinases: Their role in the pathogenesis of local tissue damage. *Biochimie*, 82(9–10), 841–850. [https://doi.org/10.1016/S0300-9084\(00\)01163-9](https://doi.org/10.1016/S0300-9084(00)01163-9)
- Gutiérrez, J. M., Calvete, J. J., Habib, A. G., Harrison, R. A., Williams, D. J., & Warrell, D. A. (2017). Snakebite envenoming. *Nature Reviews Disease Primers*, 3(1), 17063. <https://doi.org/10.1038/nrdp.2017.63>
- Gutiérrez, J. M., Escalante, T., & Rucavado, A. (2009). Experimental pathophysiology of systemic alterations induced by *Bothrops asper* snake

venom. *Toxicon*, 54(7), 976–987.

<https://doi.org/10.1016/j.toxicon.2009.01.039>

Gutiérrez, J. M., & Ownby, C. L. (2003). Skeletal muscle degeneration induced by venom phospholipases A2: Insights into the mechanisms of local and systemic myotoxicity. *Toxicon*, 42(8), 915–931.
<https://doi.org/10.1016/j.toxicon.2003.11.005>

Hayes, A. W., & Kruger, C. L. (Eds.). (2014). *Hayes' Principles and Methods of Toxicology* (0 ed.). CRC Press. <https://doi.org/10.1201/b17359>

Hodge, H. C., & Sterner, J. H. (1949). Tabulation of Toxicity Classes. *American Industrial Hygiene Association Quarterly*, 10(4), 93–96.
<https://doi.org/10.1080/00968204909344159>

Hoffman, R., Benz, E. J., Silberstein, L. E., Heslop, H. E., Weitz, J. I., Anastasi, J., & Salama, M. E. (Eds.). (2018). *Hematology: Basic principles and practice* (7. edition). Elsevier.

Hu, S., Xiao, M., Jiang, N., Zhang, Z., Jia, Q., Zhou, Y., Liu, X., & Liao, M. (2025). Visual Tracking and Organ Targeting of *Naja atra* and *Deinagkistrodon acutus* Venoms in Mice. *Toxins*, 17(11), 559.
<https://doi.org/10.3390/toxins17110559>

Ibrahim Sani, Umar Aliyu Rabi'u, Sanusi Wara Hassan, Umar Zaki Faruq, & Fatima Bello. (2020). Lethality of *Naja nigricollis* Reinhardt venom and antivenom activity of *Azadirachta indica* A. Juss. Leaf extracts on albino

rats. *GSC Biological and Pharmaceutical Sciences*, 12(2), 080–092.

<https://doi.org/10.30574/gscbps.2020.12.2.0244>

IUCN. (2019). *Trimeresurus insularis*: Reilly, S., Auliya, M., Iskandar, D., Vogel, G. & Lilley, R.: *The IUCN Red List of Threatened Species 2021: e.T178038A1525328* [Dataset]. <https://doi.org/10.2305/IUCN.UK.2021-3.RLTS.T178038A1525328.en>

Kamiguti, A. S., Zuzel, M., & Theakston, R. D. G. (1998). Snake venom metalloproteinases and disintegrins: Interactions with cells. *Brazilian Journal of Medical and Biological Research*, 31(7), 853–862. <https://doi.org/10.1590/S0100-879X1998000700001>

Kini, R. M. (2005). Serine Proteases Affecting Blood Coagulation and Fibrinolysis from Snake Venoms. *Pathophysiology of Haemostasis and Thrombosis*, 34(4–5), 200–204. <https://doi.org/10.1159/000092424>

Klabunde, R. E. (2012). *Cardiovascular physiology concepts* (2. ed). Wolters Kluwer [u.a.].

Kokolus, K. M., Capitano, M. L., Lee, C.-T., Eng, J. W.-L., Waight, J. D., Hylander, B. L., Sexton, S., Hong, C.-C., Gordon, C. J., Abrams, S. I., & Repasky, E. A. (2013). Baseline tumor growth and immune control in laboratory mice are significantly influenced by subthermoneutral housing temperature. *Proceedings of the National Academy of Sciences*, 110(50), 20176–20181. <https://doi.org/10.1073/pnas.1304291110>

- Kuhn, V., Diederich, L., Keller, T. C. S., Kramer, C. M., Lückstädt, W., Panknin, C., Suvorava, T., Isakson, B. E., Kelm, M., & Cortese-Krott, M. M. (2017). Red Blood Cell Function and Dysfunction: Redox Regulation, Nitric Oxide Metabolism, Anemia. *Antioxidants & Redox Signaling*, 26(13), 718–742. <https://doi.org/10.1089/ars.2016.6954>
- Lardinois, B., Favresse, J., Chatelain, B., Lippi, G., & Mullier, F. (2021). Pseudothrombocytopenia—A Review on Causes, Occurrence and Clinical Implications. *Journal of Clinical Medicine*, 10(4), 594. <https://doi.org/10.3390/jcm10040594>
- Li, Y., Guan, Z., Hu, S., Huang, Z., He, D., Cheng, X., Song, T., Mo, C., Xiao, M., Huang, Y., Wei, Y., Zhou, Y., Zhang, X., & Liao, M. (2023a). Glutamine ameliorates Bungarus multicinctus venom-induced lung and heart injury through HSP70: NF-κB p65 and P53/PUMA signaling pathways involved. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, 29, e20220080. <https://doi.org/10.1590/1678-9199-jvatitd-2022-0080>
- Li, Y., Guan, Z., Hu, S., Huang, Z., He, D., Cheng, X., Song, T., Mo, C., Xiao, M., Huang, Y., Wei, Y., Zhou, Y., Zhang, X., & Liao, M. (2023b). Glutamine ameliorates Bungarus multicinctus venom-induced lung and heart injury through HSP70: NF-κB p65 and P53/PUMA signaling pathways involved. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, 29, e20220080. <https://doi.org/10.1590/1678-9199-jvatitd-2022-0080>

- Liu, A., & Wei, L. (2010). Leukocyte infiltration as a surrogate marker for diagnosis of invasion. *International Journal of Biological Sciences*, 225–227. <https://doi.org/10.7150/ijbs.6.225>
- Lo, J. F.-J., Wang, Y., Li, Z., Zhao, Z., Hu, D., Eddington, D. T., & Oberholzer, J. (2013). Quantitative and Temporal Control of Oxygen Microenvironment at the Single Islet Level. *Journal of Visualized Experiments*, 81, 50616. <https://doi.org/10.3791/50616>
- Loomis, T. A., & Hayes, A. W. (1996). *Loomis's essentials of toxicology* (4th ed). Academic Press.
- Machlus, K. R., & Italiano, J. E. (2013). The incredible journey: From megakaryocyte development to platelet formation. *Journal of Cell Biology*, 201(6), 785–796. <https://doi.org/10.1083/jcb.201304054>
- Matin, A., Sobuj, S. A., Saha, P., & Sami, C. A. (2024). Respiratory Failure Following a Venomous Snakebite: Importance of Ambu Bag Ventilation in a Poor-Resource Setting. *Clinical Case Reports*, 12(12), e9627. <https://doi.org/10.1002/ccr3.9627>
- Messadi, E. (2023). Snake Venom Components as Therapeutic Drugs in Ischemic Heart Disease. *Biomolecules*, 13(10), 1539. <https://doi.org/10.3390/biom13101539>
- Mirza, Z. A., Bhosale, H. S., Phansalkar, P. U., Sawant, M., Gowande, G. G., & Patel, H. (2020). A new species of green pit vipers of the genus *Trimeresurus* Lacépède, 1804 (Reptilia, Serpentes, Viperidae) from western

Arunachal Pradesh, India. *Zoosystematics and Evolution*, 96(1), 123–138.

<https://doi.org/10.3897/zse.96.48431>

Mohandas, N., & Gallagher, P. G. (2008). Red cell membrane: Past, present, and future. *Blood*, 112(10), 3939–3948. <https://doi.org/10.1182/blood-2008-07-161166>

Olaoba, O. T., Karina Dos Santos, P., Selistre-de-Araujo, H. S., & Ferreira De Souza, D. H. (2020). Snake Venom Metalloproteinases (SVMPs): A structure-function update. *Toxicon*, X, 7, 100052. <https://doi.org/10.1016/j.toxcx.2020.100052>

Oliveira, J. S., Sant'Anna, L. B., Oliveira Junior, M. C., Souza, P. R. M., Andrade Souza, A. S., Ribeiro, W., Vieira, R. P., Hyslop, S., & Cogo, J. C. (2017). Local and hematological alterations induced by *Philodryas olfersii* snake venom in mice. *Toxicon*, 132, 9–17. <https://doi.org/10.1016/j.toxicon.2017.03.013>

Pavan Dhoble, Mahesh Solu, Kenil Choksi, & Manthan Prajapati. (2024). Snakebite envenomation: A comprehensive evaluation of severity, treatment, and outcomes in 100 patients correlating timing of ASV administration with complications. *International Journal of Science and Research Archive*, 11(1), 757–764. <https://doi.org/10.30574/ijrsra.2024.11.1.0127>

Priandhini, S. A., Insyirach, N. I., Atsira, O. P., Nisa, A. I., Ibrahim, R. R., Mahyuddin, M. H., Yahya, D., Adelia, R., & Paradigma, Z. (2025). Hemotoxicity and nephrotoxicity manifestations and tetanus complication

following red-tailed green pit viper (*Trimeresurus insularis*) bite: A case report. *Journal of Emergency Medicine, Trauma and Acute Care*, 2025(1).
<https://doi.org/10.5339/jemtac.2025.9>

Ratanabanangkoon, K., Tan, K. Y., Eursakun, S., Tan, C. H., Simsiriwong, P., Pamornsakda, T., Wiriyarat, W., Klinpayom, C., & Tan, N. H. (2016). A Simple and Novel Strategy for the Production of a Pan-specific Antiserum against Elapid Snakes of Asia. *PLOS Neglected Tropical Diseases*, 10(4), e0004565. <https://doi.org/10.1371/journal.pntd.0004565>

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>

Rojnuckarin, P., Intragumtornchai, T., Sattapiboon, R., Muangpasitporn, C., Pakmanee, N., Khaw, O., & Swasdikul, D. (1999). The effects of green pit viper (*Trimeresurus albolabris* and *Trimeresurus macrops*) venom on the fibrinolytic system in human. *Toxicon*, 37(5), 743–755.
[https://doi.org/10.1016/S0041-0101\(98\)00214-1](https://doi.org/10.1016/S0041-0101(98)00214-1)

Rusli, N., Yudha, D. S., & Owens, J. B. (2020). Panduan Bergambar Ular Jawa. *Indonesia Herpetofauna Foundation*.

Sajevic, T., Leonardi, A., & Križaj, I. (2011). Haemostatically active proteins in snake venoms. *Toxicon*, 57(5), 627–645.
<https://doi.org/10.1016/j.toxicon.2011.01.006>

- Schendel, V., Rash, L. D., Jenner, R. A., & Undheim, E. A. B. (2019). The Diversity of Venom: The Importance of Behavior and Venom System Morphology in Understanding Its Ecology and Evolution. *Toxins*, 11(11), 666. <https://doi.org/10.3390/toxins11110666>
- Silva, A., Pilapitiya, S., & Siribaddana, S. (2012). Acute Myocardial Infarction following a possible direct intravenous bite of Russell's viper (*Daboia russelli*). *BMC Research Notes*, 5(1), 500. <https://doi.org/10.1186/1756-0500-5-500>
- 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>
- Survana, S. K., Layton, C., & Bancroft, J. D. (2019). *Bancroft's Theory and Practice of Histological Techniques*. Elsevier. <https://doi.org/10.1016/C2015-0-00143-5>
- Takeda, S., Takeya, H., & Iwanaga, S. (2012). Snake venom metalloproteinases: Structure, function and relevance to the mammalian ADAM/ADAMTS family proteins. *Biochimica et Biophysica Acta (BBA) - Proteins and Proteomics*, 1824(1), 164–176. <https://doi.org/10.1016/j.bbapap.2011.04.009>
- Tan, C. H., Tan, K. Y., Wong, K. Y., & Tan, N. H. (2017). Venom proteome of the white-lipped pit viper (*Trimeresurus albolabris*) from Thailand and its cross-

neutralization with a heterologous antivenom from Taiwan. *Journal of Proteomics*, 164, 52–61.

- Tashima, A. K., Zelanis, A., Kitano, E. S., Ianzer, D., Melo, R. L., Rioli, V., Sant'anna, S. S., Schenberg, A. C. G., Camargo, A. C. M., & Serrano, S. M. T. (2012). Peptidomics of Three Bothrops Snake Venoms: Insights Into the Molecular Diversification of Proteomes and Peptidomes. *Molecular & Cellular Proteomics*, 11(11), 1245–1262.
<https://doi.org/10.1074/mcp.M112.019331>
- Teixeira, C. D. F. P., Fernandes, C. M., Zuliani, J. P., & Zamuner, S. F. (2005). Inflammatory effects of snake venom metalloproteinases. *Memórias Do Instituto Oswaldo Cruz*, 100(suppl 1), 181–184.
<https://doi.org/10.1590/S0074-02762005000900031>
- Thumtecho, S., Suteparuk, S., & Sitprija, V. (2023). Pulmonary involvement from animal toxins: The cellular mechanisms. *Journal of Venomous Animals and Toxins Including Tropical Diseases*, 29, e20230026.
<https://doi.org/10.1590/1678-9199-jvatitd-2023-0026>
- Versteeg, H. H., Heemskerk, J. W. M., Levi, M., & Reitsma, P. H. (2013). New Fundamentals in Hemostasis. *Physiological Reviews*, 93(1), 327–358.
<https://doi.org/10.1152/physrev.00016.2011>
- Weisel, J. W., & Litvinov, R. I. (2019). Red blood cells: The forgotten player in hemostasis and thrombosis. *Journal of Thrombosis and Haemostasis*, 17(2), 271–282. <https://doi.org/10.1111/jth.14360>

- WHO. (2013). *Guidelines for the production, control and regulation of snake antivenom immunoglobulins, Annex 5, TRS No 1004*. World Health Organization.
- WHO. (2023). *Snakebite Envenoming*. World Health Organization.
<https://www.who.int/news-room/fact-sheets/detail/snakebite-envenoming>
- Williams, D. J., Faiz, M. A., Abela-Ridder, B., Ainsworth, S., Bulfone, T. C., Nickerson, A. D., Habib, A. G., Junghanss, T., Fan, H. W., Turner, M., Harrison, R. A., & Warrell, D. A. (2019). Strategy for a globally coordinated response to a priority neglected tropical disease: Snakebite envenoming. *PLOS Neglected Tropical Diseases*, 13(2), e0007059.
<https://doi.org/10.1371/journal.pntd.0007059>
- Yuly Peristiowati, Novita Ana Anggraini, Dedy Mochtar Setiaji, & Hariyono. (2024). Snake Bite Health Education on Community and Pre Hospital Handling. *Journal Of Nursing Practice*, 7(2), 406–416.
<https://doi.org/10.30994/jnp.v7i2.607>