

DAFTAR PUSTAKA

- Abbas, A.K., Lichtman, A.H. and Pillai, S., 2014. E-book of Cellular and molecular immunology 8th Edition. Philadelphia: WB & Saunders.
- Agu, K. Nzegwu, M. Obi, E. Prevalence, Morbidity and Mortality Patterns of Typhoid Ileal Perforation as Seen at the University of Nigeria Teaching Hospital Enugu Nigeria: An 8-year Review. *World Journal of Surgery*. 2014. 38:2514–2518. DOI 10.1007/s00268-014-2637-5.
- Alba, S., Bakker, M.I., Hatta, M., Scheelbeek, P.F., Dwiyantri, R., Usman, R., Sultan, A.R., Sabir, M., Tandirogang, N., Amir, M. and Yasir, Y., 2016. Risk factors of typhoid infection in the Indonesian archipelago. *PloS one*, 11(6), p.e0155286.
- Anderson, U., Tracey, K.J. 2011. HMGB 1 is a therapeutic target for sterile inflammation and infection. *Annu Rev Immunol*. 20 (1(2):31-4): Doi: 10.1146/annurev-immunol-030409-101323.
- Arpaia, N., Godec, J., Lau, L., Sivick, K.E., McLaughlin, L.M., Jones, M.B., Dracheva, T., Peterson, S.N., Monack, D.M. and Barton, G.M., 2011. TLR signaling is required for virulence of an intracellular pathogen. *Cell*, 144(5), p.675.
- Asavarut, P., Zhao, H., Gu, J., Ma, D. 2013. The Role of HMGB-1 in Inflammation-mediated organ injury. *Acta Pharmaceutica Sinica B*. Taiwan. 6(3):183-188: doi: 10.1016/j.aat.2013.03.007.

- Bertheloot, D. and Latz, E., 2017. HMGB1, IL-1 α , IL-33 and S100 proteins: dual-function alarmins. *Cellular & molecular immunology*, 14(1), p.43.
- Boom, R., Sol, C.J., Salimans, M.M., Jansen, C.L., Wertheim-van Dillen, P.M., Van der Noorda, J. 1990. Rapid and Simple Methode for Purification of Nucleid Acids. *J Clin Microbiol*. 28(3): 495-503.
- Chrishantoro, T. 2006. Informasi produk Tubex TF. : a Magneticsemi quantitative rapid immunoassay test for typhoid fever diagnostic. PT. Pasific Biotekindo Intralab.
- Consolacion Ragasa et al. 2001. *Diastereomeric diterpens of Coleus blumei*. Chemical & Pharmaceutical Bulletin • Vol. 49 (2001) , No. 7 927 / doi:10.1248/cpb.49.927
- Crosa, J.H., Brenner, D.J., Ewing, W. H., Falkow, S. 1973. Molecular relationship among the salmonella. *J Bacteriol* 115:307-15.
- Dwiyanti, R. Hatta, M., Natzir, R., Pratiwi, S., Sabir, M., Yasir, Y., Noviyanthi, R.A., Junita, A.R., Tandirogang, N., Amir, M., Fias, M., Saning, J., dan Bahar, B. 2017. Association of Typhoid Fever Severity with Polymorphisms NOD2, VDR and NRAMP1 Genes in Endemic Area, Indonesia. *J. Med. Sci.*, 17 (3): 133-139. ISSN 1682-4474. <http://ansinet.com>. DOI: 10.3923/jms.2017.133.139

- Farooqui, A., Khan, A. and Kazmi, S.U., 2009. Investigation of a community outbreak of typhoid fever associated with drinking water. BMC public health, 9(1), p.476.
- Ganiswara, G.G., Rianto, S., Frans, D.S., Purwastyastuti. 1995. Farmakologi dan Terapi. Edisi ke 4, UI Press: Jakarta.
- Grossman, D.A., Witham, N.D., Burr, D.H., Lesmana, M., Rubin, F.A., Schoolniih, G.K., Parsonnet, J. 1995. Flagellar serotypes of *Salmonella typhi* in Indonesia: relationships among motility, invasiveness and clinical illness. The Journal of Infectious diseases. United States. (7):212-216.
- Habte, L., Tadesse, E., Ferede, G. and Amsalu, A., 2018. Typhoid fever: clinical presentation and associated factors in febrile patients visiting Shashemene Referral Hospital, southern Ethiopia. BMC research notes, 11(1), p.605.
- Hashimoto, Y., Itho, Y., Fujinaga, Y., Khan, A. Q., Sultana, F., Miyake, M., Hirose, K., Yamamoto, H., Ezaki, T. 1995. Development of nested PCR based on the *viaB* sequence to detect *Salmonella typhi*. J. Clin. Microbiol. 33: 775-777.
- Hatta, M., Smits, H.L., 2007. Detection of *Salmonella typhi* by nested Polymerase Chain Reaction in blood, urine and stool samples. American J. Tropical Medicine Hygiene. 76:139-43.

- Hawley, L.B., 2003. Intisari Mikrobiologi dan Penyakit Infeksi. Alih Bahasa: Brahm U. Pendit. Jakarta, Hipokrates.
- Iwasaki, A. and Medzhitov, R., 2004. Toll-like receptor control of the adaptive immune responses. *Nature immunology*, 5(10), p.987.
- Joklik, W.K., Willet, H.P., Amos, D.B., Wilfert, C.M. 1992. *Zinsser Microbiology*. 20th ed. Appleton and Lange Norwalk, Co. San Mateo California.
- Kang, R., Chen, R., Zhang, Q., Hou, W., Wu, S., Cao, L., et al. 2014. HMGB-1 in health and disease. *Molecular aspects of medicine*. 40:1-116. DOI: 10.1016/j.mam.2014.05.001.
- Kawai, T. and Akira, S., 2005. Pathogen recognition with Toll-like receptors. *Current opinion in immunology*, 17(4), pp.338-344.
- Kawasaki, T., and Kawai, T. 2014. Toll-like receptor signaling pathways. *Review Article. Frontiers in Immunology*. Vol 5;p.1-8.
- Keyel, P.A. 2014. How is inflammation initiated? Individual influences of IL-1, IL-18 and HMGB-1. *Cytokine*. 69(1): 136-145. Doi: 10.1016/j.cyto.2014.03.007.
- Kim, S.Y., Koh, W.J., Park, H.Y., Jeon, K., Lee, S.Y., Yim, J.J., et al. 2017. Down-regulation of serum high-mobility group box-1 protein in patients with pulmonary tuberculosis and non-tuberculosis mycobacterial lung

- diseases. Tuberculosis and respiratory diseases, Seoul. 80(2):153-158.
- Kresno SB. 2001. Immunologi: Diagnosis dan prosedurlaboratorium. Edisi 4. Jakarta. Penerbit Fakultas Kedokteran Universitas Indonesia.
- Kumar, S. dan Pandey, A.K, 2013. Chemistry and Biological Activities of Flavonoids: An Overview”. The Scientific World Journal. Vol.2013. DOI: 10.1155/2013/162750.
- Kusumawati, D.,E., 2014, Aktivitas Antibakteri Isolat Bakteri Endofit dari Tanaman Miana (*Coleus scutellarioides* [L] Benth.) terhadap *Staphylococcus aureus* dan *Escherichia coli*. Volume 1 (1) :45- 50
- Lamkanfi, M., Sarkar, A., Walle, L.V., Vitari, A.C., Amer, A.O, Wewers, A.O., Tracey, K.J., Kanneganti, T.D., and Dixit, V.M., Inflammasome-Dependent Release of the Alarmin HMGB-1 in Endotoxemia. *J. Immunol* 2010;185:4385-4392, doi: 10.4049/jimmunol.1000803
- Lee, S.A., Kwak, M. S., Kim, S., Shin, J. S. 2014. The Role of High Mobility Group Box-1 in innate immunity. *Yonsei Med J.*, Seoul. 55(5): 1165-1176. Doi: 10.3349/ymj.2014.55.5.1165
- Liu, Q.Y., Han, F., Pan, L., Jia, H. Y., Li, Q., Zhang, Z. D. 2018. Inflammation responses in patients with pulmonary tuberculosis in an intensive care unit. *Experimental and therapeutic medicine*. 15(3):2719-2726. Doi: 10.3892/etm.2018.5775

- Magrys, A., Paluch-oles, J., Koziol-Montewka, M., Zaborowski, T., Milanowski, J., Maciejewska, B. 2013. Evaluation of High Mobility Group box 1 Protein Concentration in serum of patient with M. tuberculosis infection. *Journal of Molecular and Cellular Immunology*. 42: issue 1.
- Mogasale, V., Desai, S.N., Mogasale, V.V., Park, J.K., Ochiai, R.L. and Wierzba, T.F., 2014. Case fatality rate and length of hospital stay among patients with typhoid intestinal perforation in developing countries: a systematic literature review. *PLoS One*, 9(4), p.e93784.
- Mogensen, T.H., 2009. Pathogen recognition and inflammatory signaling in innate immune defenses. *Clinical microbiology reviews*, 22(2), pp.240-273.
- Ochiai, R.L., Acosta, C.J., Danovaro-Holliday, M., Baiqing, D., Bhattacharya, S.K., Agtini, M.D., Bhutta, Z.A., Canh, D.G., Ali, M., Shin, S. and Wain, J., 2008. A study of typhoid fever in five Asian countries: disease burden and implications for controls. *Bulletin of the world health organization*, 86, pp.260-268.
- O'Leary, M., William. 1989. *Practical Handbook of Microbiology*. Cummings Pub. Company Inc. USA.
- Pakadang, S.R, Jumain., Ratnah, St., Salasa, A.M. 2021. Characteristic of Chemical Compound Content in Meniran Herb Extract and Miana

Leave Extract Based on Phytochemical Screening and Thin Layer Chromatography. The 3rd International Conference on Urban Health, The Covid-19 Pandemic and Urban Health Issues. Vol. 3, No.1, p.127-137.

Pakadang, S.R, Wahjuni, C.U, Notobroto H.B., Winarni, D., Dwiyantri, R., Yadi, Sabir,M., and Hatta, M. 2015.Immunomodulator Potential of Miana Leaves (*Coleus scutellariodes* (L) Benth) in Prevention of Tuberculosis Infection. American Journal of Microbiological Research. Vol.3(4):129-134. DOI:10.12691/ajmr-3-4-2

Pandey, A., Tripathi, S. 2014. Concept of standardization, extraction and pre phytochemical screening strategies for herbal drug. Journal of Pharmacognosy and Phytochemistry. Vol 2(5):115-119.

Pham, O.H. and McSorley, S.J., 2015. Protective host immune responses to Salmonella infection. Future microbiology, 10(1), pp.101-110.

Presscott, L.M., Harley, J.P., Donal, A.K. 2005. Microbiology. Sixth Ed. The Mc Graw Hill Co. Inc., New York.

Saragih, R.H., and Purba, G.C.F. 2018. Antimicrobial resistance problems in typhoid fever. IOP Conference series: Earth and Environmental Science Paper. Sci.12501209.

Sirait, R.S., Hatta, M., Ramli, M, Islam, A.A, Arief, S.K. 2018. Systemic lidocaine inhibits high-mobility group box 1 messenger ribonucleic acid

- expression and protein in BALB/c mice after closed fracture musculoskeletal injury. *Saudi Journal of Anesthesia*; Vol 12 (3); 395-398; DOI: 10.4103/sja.SJA_685_17; Website: www.saudija.org;
- Sudoyo, A.W., Setiyohadi, B., Alwi, I., Simadibrata, M. and Setiati, S., 2009. Buku Ajar Ilmu Penyakit Dalam Jilid II edisi V. Jakarta: Interna Publishing, 310, pp.1973-1982.
- Sultana, S., Maruf, A.A., Sultana, R., Jahan, R. 2016. Laboratory Diagnosis of Enteric Fever: A Review Update. *Bangladesh Journal of Infectious Diseases*. Vol 3(2);43-51
- Syamsuri, F., Hatta, M., Natzir, R., Alam, G., Massi, M.N., Bahar, B. and Rahardjo, S.P., 2018. Expression of TLR-4 in Salmonella typhi-Induced Balb/c Mice Treated by Miana Leaves (*Coleus scutellaroides* (L) Benth). *Indian Journal of Public Health Research & Development*, 9(12), pp.1449-1454.
- Talaro, K.P., 2002. *Foundations in Microbiology: Basic Principles*. McGraw-Hill.
- Tang, D., Kang, R., Livesey, K.M., Cheh, C. W., Farkas, A., Loughran, P., et al. 2010. Endogenous HMGB-1 regulates autophagy. *J Cell Biol*. 190:881-92.

- Tindal, J. B., Grimont DAP, Garritty, M. G., Euzeby P. J. 2005. Nomenclature and taxonomy of the genus *Salmonella*. *Int J Syst Evol Microbiol* 55:521-524.
- Van Zoelen, M.A., Yang, H., Florquin, S., Meijers, J.C., Akira, S., Arnold, B., Nawroth, P.P., Bierhaus, A., Tracey, K.J. and van der Poll, T., 2009. Role of Toll-like receptors 2 and 4, and the receptor for advanced glycation end products in high-mobility group box 1-induced inflammation in vivo. *Shock* (Augusta, Ga.), 31(3), p.280.
- Wakhidah AZ, Silalahi M. Etnofarmakologi Tumbuhan Miana (*Coleus scutellaroides* (L) *Benth*) Pada Masyarakat Halmahera Barat, Maluku Utara. *Jurnal Pro-Life* Volume 5 Nomor 2, Juli 2018, ISSN e-journal 2579-7557.
- Wattimena, R.J., Nelly, C.S., Mathilda, B.W., Elin, Y.S. Andreanus, A.S., dan Anna, R.S. 1987. *Farmakodinamik dan Terapi Antibiotik*. Gadjah Mada University Press: Yogyakarta.
- Wang, H., Bloom, O., Zhang, M., Vishnubhakat, J.M., Ombrellino, M., Che, J., et al. 1999. HMG-1 as a late mediator of endotoxin lethality in mice. *Science*. 285:248-251
- Watson, C.H. and Edmunds, W.J., 2015. A review of typhoid fever transmission dynamic models and economic evaluations of vaccination. *Vaccine*, 33, pp.C42-C54.

- World Health Organization (WHO). 2018. Weekly epidemiological record. ISSN 0049-8114. No 13 (pp.93, 153–172). <http://www.who.int/wer>.
- World Health Organization (WHO), 2013, October. Guidelines on the quality, safety and efficacy of typhoid conjugate vaccines. In Adopted by the 64th meeting of the WHO Expert Committee on Biological Standardization (pp. 21-25).
- Wu, C., Sun,H., Wang, H., Chi, J., Liu,Q., Guo, H., et al. 2012. Evaluation of high mobility group box 1 protein as a presurgical diagnostic marker reflecting the severity of acute appendicitis. Journal of Trauma, Resuscitation and Emergency Medicine. 20(61): 1-6.
- Yu, Y., Tang, D., Kang, R. 2015. Oxidative stress-mediated HMGB-1 biology., Frontineers in Physiologi. Florida. 6(93): 1-6y
- Zhan R, Han Q, Zhang C, Tian Z, Zhang J. 2015. Toll-like receptor 2 (TLR2) and TLR9 play opposing roles in host innate immunity against Salmonella enterica serovar Typhimurium infection. Infect Immun 83:1641–1649. doi:10.1128/IAI.02870-14