

DAFTAR PUSTAKA

- Abbas, A. K., Lichtman, A. H. & Pillai, S., 2015. *Cellular and molecular immunology*. 8th ed. Philadelphia: Saunders, Elsevier Inc..
- Ahmad Said. (2006). *Khasiat dan Manfaat Temulawak*. Jakarta: Sinar Wadja Lestari
- Alberts, B., Alexander Johnson., Julian Lewis., David Morgan., Martin Raff., Keith Roberts., Peter Walte., 2015. *Molecular biology of the cell*. 6th ed. New York: Garland Science.
- Arsalan, A., 2014. Effect of Transcutaneous Electrical Nerve Stimulation on Acupoints in Type 2 Diabetes Mellitus - A Blood Glucose Analysis. *European Academic Research*, April, II(1), pp. 296-307.
- Azimah, D., Santosa, D. & Setyowati, E. P., 2016. Efek imunomodulator dari kombinasi ekstrak etanol herba sambiloto (*Andrographis paniculata*(Burm.f.) nees) dan rimpang temulawak (*Curcuma xanthorrhiza* roxb.) terhadap proliferasi sel limfosit mencit Balb/c secara in vitro. *Traditional Medicine Journal*, Desember, 21(3), pp. 157-168.
- Baratawidjaja, K. G. & Rengganis, I., 2014. *Imunologi dasar*. 11st ed. Jakarta: Badan Peberbit FKUI.
- Dewi, M., Muhammad Aries., Hardinsyah., Cesilia Meti Dwiriani., Nunuk Januwati., 2012. Pengetahuan tentang manfaat kesehatan temulawak (*Curcuma xanthorrhiza*) serta uji klinis pengaruhnya pada sistem imun humoral pada dewasa obes. *Jurnal Ilmu Pertanian Indonesia*, Desember, 17(3), pp. 166-171.
- Dermawaty DE. Potential Extract *Curcuma* (*Curcuma xanthorrhizal* Roxb) As Antibacterial. *Majority*. 2015; 4: 5–11
- Fatchiyah, 2015. *Prinsip dasar bioinformatika*. 1st ed. Malang: UB Press.
- Habib, A., Ayman, J., Mahmood, K. & Humma, 2014. 'Design And Determination Of The Sample Size In Medical Research'. *IOSR Journal of Dental and Medical Sciences*, May, 13(5 Ver. VI), pp. 21-31.
- Larussa, T., Serena Gervasi., Rita Liparoti., Evelina Suraci., Raffaella Marasco., Maria Imeneo., & Francesco Luzza., 2018. Downregulation of Interleukin

- (IL)-17 through enhanced indolamine 2,3-Dioxygenase (IDO) induction by curcumin: A potential mechanism of tolerance towards *Helicobacter pylori*. *Hindawi Journal of Immunology Research*, Volume 2018, pp. 1-7.
- Lopresti, A. L., 2018. Review: The problem of curcumin and its bioavailability: Could its gastrointestinal influence contribute to its overall health-enhancing effects. *American Society for Nutrition*, 9(1), pp. 41-50.
- Lucy, J., Lulu Florencia., Elvina., Dina Stefani & Agustina Ika Susanti, 2017. Efek Pemberian Temulawak terhadap Berat Badan dan Sistem Imun Mencit BALB/c. Program Studi Biologi, Universitas Pelita Harapan, Lippo Karawaci, Tangerang.
- Mashita, A. R., 2014. Efek antimikroba ekstrak rimpang temulawak (*Curcuma xanthorrhiza*) terhadap pertumbuhan *Staphylococcus aureus*. *Saintika Medika Jurnal Ilmu Kesehatan dan Kedokteran Keluarga*, Desember, 10(2), pp. 138-144.
- Mangunwardoyo, W., Deasywaty and Usia, T. 2012. Antimicrobial and identification of active compound *Curcuma xanthorrhiza* Roxb. *International Journal of Basic dan Applied Sciences* 12 (1): 69-78.
- McCance, K. & Huether, S., 2014. *Pathophysiology*. 7th ed. Missouri: Elsevier Mosby.
- Metzler, M., Pfeiffer, E., Schulz, S. I., and Dempe, J. S. (2013) Curcumin uptake and metabolism. *BioFactors* 39, 14-20
- Murphy, K. & Weaver, C., 2017. *Janeway's immunobiology*. 9th ed. New York: Garland Science.
- Nurcholis, W., Laksmi Ambarsari., Gia Permasku., Latifah K Darusman & Popi Asri Kurniatin., 2015. Analisis kandungan kurkuminoid dan penghambatan alfa glukosidase dari ekstrak beberapa aksesori temulawak (*Curcuma xanthorrhiza* RoxB). *Jurnal Ilmu Kefarmasian Indonesia*, September, 13(2), pp. 229-234.
- Panahi, Y., Hosseini, M.S., Khalili, N., Naimi, E., Simental-Mendia, L.E., Majeed, M., Sahebkar, A. Antioxidant and anti-inflammatory effects of curcuminoid-piperine combination in subjects with metabolic syndrome: A randomized controlled trial and an updated meta-analysis. *Clin. Nutr.* 2015, 34, 1101–1108.
- Pane, E. R., Falahudin, I. dan Sugiati. 2016. Efektifitas larutan temulawak (*Curcuma xanthorrhiza* Roxb.) terhadap peningkatan jumlah leukosit ayam broiler (*Gallus gallus Domesticus* sp.). *Jurnal Biota* 2 (1) : 68-75.

- Paul, P., Majhi, S., Mitra, S. & Banerjee, E. R., 2018. Immuno-modulatory and therapeutic effect of curcumin in an allergen-sensitized murine model of chronic asthma. *Journal of Clinical & Cellular Immunology*, 9(3), pp. 1-9.
- Rebecca L. Edwards., Paula B.Luis., Paolo V. Varuzza., Akil I. Joseph., Sai Han Presley., Rupesh Chaturvedi & Claus Schneider., 2017. The anti-inflammatory activity of curcumin is mediated by its oxidative metabolites. Department of Pharmacology Aand the Vanderbilt Institute of Chemical Biology, Vanderbilt.
- Tetan-el, D. Diameter Zona Hambat dan Efektifitas Temulawak (*Curcuma xanthorrhiza* Roxb) terhadap Jumlah Koloni *Streptococcus mutans* di Dalam Mulut [skripsi]. Universitas Hasanuddin. 2014.
- Widodo, *et al.*, 2018. *Belajar sendiri protein modelling*. 1st ed. Malang: Global Science.
- Widodo, *et al.*, 2018. *Cara mudah melakukan docking dengan PyRx*. 1st ed. Malang: Global Science.
- Widodo, *et al.*, 2018. *Langkah praktis analisis potensi senyawa secara in silico*. 1st ed. Malang: Global Science.
- Yasni, S., Yoshiie, K., Oda, H., Sugano, M., and Imaizumi, K. 1993. Dietary *Curcuma xanthorrhiza* Roxb. increased mitogenic responses of splenic lymphocytes in rats, and alters population of the lymphocytes in mice. *J Nutr Sci Vitaminol* 39 : 345- 354.