

DAFTAR PUSTAKA

- Afdhal, A. F., dan Welsch, R. L., 1988. The Rise of the Modern Jamu Industry in Indonesia: A Preliminary Overview. *The Context of Medicines in Developing Countries*, 149–172.
- Aisha, A. F., Majid, A. M. S. A., dan Ismail, Z. 2014. Preparation and characterization of nano liposomes of *Orthosiphon stamineus* ethanolic extract in soybean phospholipids. *BMC biotechnology*, **14**: 23.
- Al-Bayaty, F.H., Abdulla, M.A., Hassan, I.A. dan Hussein, S.F., 2013. Effects of Malaysian medicinal plants on macrophage functions in vitro study. *Journal of Medicinal Plants Research*, **4**: 1459-1463.
- Ameer, O. Z., Salman, I. M., Asmawi, M. Z., Ibraheem, Z. O., dan Yam, M. F., 2012. *Orthosiphon stamineus*: Traditional Uses, Phytochemistry, Pharmacology, and Toxicology, *Journal of Medicinal Food*, **15**: 678-690.
- Arango, D. G. dan Descoteaux, A., 2014. Macrophage cytokines: involvement in immunity and infectious diseases. *Frontiers in immunology*, **5**: 491.
- Awale, S., Tezuka, Y., Banskota, A.H., Adnyana, I.K. dan Kadota, S., 2003. Highly-oxygenated isopimarane-type diterpenes from *Orthosiphon stamineus* of Indonesia and their nitric oxide inhibitory activity. *Chemical and pharmaceutical bulletin*, **51**: 268-275.
- Barrientos, S., Stojadinovic, O., Golinko, M.S., Brem, H. dan Tomic Canic, M., 2008. Growth factors and cytokines in wound healing. *Wound repair and regeneration*, **16**: 585-601.
- Cai, A.Q., Landman, K.A. dan Hughes, B.D., 2007. Multi-scale modeling of a wound-healing cell migration assay. *Journal of Theoretical Biology*, **245**: 576-594.
- Dolečková, I., Rárová, L., Grúz, J., Vondrusová, M., Strnad, M. dan Kryštof, V., 2012. Antiproliferative and antiangiogenic effects of flavone eupatorin, an active constituent of chloroform extract of *Orthosiphon stamineus* leaves. *Fitoterapia*, **83**: 1000-1007.
- Woerdenbag, H.J. dan Kayser, O., 2014. Jamu: Indonesian traditional herbal medicine towards rational phytopharmacological use. *Journal of Herbal Medicine*, **4**: 51-73.
- Gao, L., Zhang, D. dan Chen, M., 2008. Drug nanocrystals for the formulation of poorly soluble drugs and its application as a potential drug delivery system. *Journal of Nanoparticle Research*, **10**: 845-862.
- Gigliobianco, M. R., Casadidio, C., Censi, R., dan Di Martino, P., 2018. Nanocrystals of Poorly Soluble Drugs: Drug Bioavailability and Physicochemical Stability. *Pharmaceutics*, **10**: 134.
- Gordon, S., 2007. The macrophage: past, present and future. *European journal of immunology*, **37**: S9-S17.
- Gülsün, T., Gürsoy, R.N. dan Öner, L., 2009. Nanocrystal technology for oral delivery of poorly water-soluble drugs. *Fabad Journal of Pharmaceutical Sciences*, **34**: 55.

- Harun, N.H., Septama, A.W. dan Jantan, I., 2015. Immunomodulatory effects of selected Malaysian plants on the CD18/11a expression and phagocytosis activities of leukocytes. *Asian Pacific Journal of Tropical Biomedicine*, **5**: 48-53.
- Hattori, Y., Haruna, Y. dan Otsuka, M., 2013. Dissolution process analysis using model-free Noyes–Whitney integral equation. *Colloids and Surfaces B: Biointerfaces*, **102**: 227-231.
- Irifune, M., Shimizu, T., Nomoto, M. dan Fukuda, T., 1992. Ketamine-induced anesthesia involves the N-methyl-D-aspartate receptor-channel complex in mice. *Brain research*, **596**: 1-9.
- Junghanns, J. U. A., dan Müller, R. H., 2008, Nanocrystal Technology, Drug Delivery and Clinical Applications. *International journal of Nanomedicine*, **3**: 295.
- Kim, J.S., Kim, J.G., Moon, M.Y., Jeon, C.Y., Won, H.Y., Kim, H.J., Jeon, Y.J., Seo, J.Y., Kim, J.I., Kim, J. dan Lee, J.Y., 2006. Transforming growth factor- β 1 regulates macrophage migration via RhoA. *Blood*, **108**: 1821-1829.
- Laavola, M., Nieminen, R., Yam, M.F., Sadikun, A., Asmawi, M.Z., Basir, R., Welling, J., Vapaatalo, H., Korhonen, R. dan Moilanen, E., 2012. Flavonoids eupatorin and sinensetin present in *Orthosiphon stamineus* leaves inhibit inflammatory gene expression and STAT1 activation. *Planta medica*, **78**: 779-786.
- Liang, C.C., Park, A.Y. dan Guan, J.L., 2007. In vitro scratch assay: a convenient and inexpensive method for analysis of cell migration in vitro. *Nature protocols*, **2**: 329.
- Mauludin, R., Müller, R.H. dan Keck, C.M., 2009. Kinetic solubility and dissolution velocity of rutin nanocrystals. *European journal of pharmaceutical sciences*, **36**: 502-510.
- Menteri Kesehatan Republik Indonesia, 2013. Peraturan Menteri Kesehatan Republik Indonesia tentang Sentra Pengembangan dan Penetapan Obat tradisional nomor 90. Departemen Kesehatan RI, Jakarta.
- Murray, P.J. dan Wynn, T.A., 2011. Protective and pathogenic functions of macrophage subsets. *Nature reviews immunology*, **11**: 723.
- Park, J.E. dan Barbul, A., 2004. Understanding the role of immune regulation in wound healing. *The American Journal of Surgery*, **187**: S11-S16.
- Pixley, F.J., 2012. Macrophage migration and its regulation by CSF-1. *International journal of cell biology*, **3**: 11-15.
- Poole, B. dan Ohkuma, S., 1981. Effect of weak bases on the intralysosomal pH in mouse peritoneal macrophages. *The Journal of Cell Biology*, **90**: 665-669.
- Ridley, A.J., Schwartz, M.A., Burridge, K., Firtel, R.A., Ginsberg, M.H., Borisy dan Horwitz, A.R., 2003. Cell migration: integrating signals from front to back. *Science*, **302**: 1704-1709.
- Rodriguez, L.G., Wu, X. dan Guan, J.L., 2005. Wound-healing assay. *In Cell Migration Humana Press*, 23-29
- Smith, D.M., Simon, J. K. dan Baker Jr, J.R., 2013. Applications of nanotechnology for immunology. *Nature Reviews Immunology*, **13**: 592.

- Spilsbury, K., O'Mara, M.A., Wu, W.M., Rowe, P.B., Symonds, G. dan Takayama, Y., 1995. Isolation of a novel macrophage-specific gene by differential cDNA analysis. *Blood*, **85**:1620-1629.
- Sriplang, K., Adisakwattana, S., Rungsipipat, A. dan Yibchok-Anun, S., 2007. Effects of *Orthosiphon stamineus* aqueous extract on plasma glucose concentration and lipid profile in normal and streptozotocin-induced diabetic rats. *Journal of Ethnopharmacology*, **109**: 510-514.
- Yam, M.F., Basir, R., Asmawi, M.Z. dan Ismail, Z., 2007. Antioxidant and hepatoprotective effects of *Orthosiphon stamineus* Benth. standardized extract. *The American journal of Chinese medicine*, **35**: 115-126.
- Zhang, X., Goncalves, R. dan Mosser, D.M., 2008. The isolation and characterization of murine macrophages. *Current protocols in immunology*, **83**: 14-21.