

DAFTAR PUSTAKA

- Angelov, A., Lambev, I., Markov, M., Yakimova, K., Leseva, M., Yakimov, A. 1980. Study of acute and chronical toxicity of disperse of *Plantago major*. *Medical Archives*. 18: 47–52.
- Badan Penelitian dan Pengembangan Kesehatan. 2000. *Inventaris Tanaman Obat Indonesia (I) Jilid I*. Jakarta: Departemen Kesehatan dan Kesejahteraan Sosial Republik Indonesia.
- Bar, A., Til, H.P., Timonen, M. 1995. Subchronic oral toxicity study with regular and enzymatically depolymerized sodium carboxymethylcellulose in rats. *Food Chem Toxicol*. 33 (11): 909-17.
- Baron, M. 1995. *Kapita Selekta Pemeriksaan Patologi Klinik*. Jakarta: EGC.
- Beune, P. H., Lecoer, J. 1997. Immunotoxicology of the liver: adverse reactions to drugs. *J Hepatol*. 26 (2): 37-42.
- Chang, W. H., Cheng, C. H., Lu, F. J. 2002. Different effects of baicalein, baicalin and wogonin on mitochondrial function, glutathione content and cell cycle progression in human hepatoma cell lines. *Planta Med*. 68 (2): 128-32.
- Chen, Y., Dong, H., Thompson, D.C., Shertzer, H.G., Nebert, D.W. 2013. Glutathione defense mechanism in liver injury: insights from animal models. *Food Chem Toxicol*. 60: 38–44.
- Dahlan, M. 2012. *Statistika untuk Kedokteran dan Kesehatan Edisi 5*. Jakarta: Salemba Medika.
- Das, D. K. 1994. Naturally occurring flavonoids: structure, chemistry, and high performance liquid chromatography methods for separation and characterization. *Methods Enzymol*. 234: 410–20.
- Departemen Kesehatan Republik Indonesia Direktorat Jenderal Pengawasan Obat dan Makanan Direktorat Pengawasan Obat Tradisional. 2000. *Pedoman Pelaksanaan Uji Klinik Obat Tradisional*. Jakarta: Depkes RI.
- Dewoto, H. R. 2007. Pengembangan Obat Tradisional Menjadi Fitofarmaka. *Maj Kedokt Indon*. 57 (7): 205-21.
- European Food Safety Authority. 2012. *Toxicity testing (subchronic, chronic, carcinogenicity)*. Powerpoint disampaikan pada pertemuan komite tanggal 21 September 2012, Brussels.

- Ferry, D. R., Smith, A., Malkhandi, J., Fyfe, D. W., deTakats, P.G., Anderson, D., *et al.* 1996. Phase I clinical trial of the flavonoid quercetin: pharmacokinetics and evidence for in vivo tyrosine kinase inhibition. *Clin Cancer Res.* 2 (4): 659-68.
- Franca, R. T., Costa, M. M., Martins, D. B., Pagnoncelli, M., Leal, M. L., Mazzanti C. M., *et al.* 2011. Protein profile of buffaloes of different ages. *Act Science Veteranian.* 39 (4): 995.
- Gomez-Flores, R., Calderon, C. L., Scheibel, L. W., Rodriguez-Padilla, P., Tamez-Guerra, C., *et al.* 2000. Immunoenhancing properties of *Plantago major* leaf extract. *Phytother Res.* 14 (18): 617-22.
- Goodman & Gilman. 2010. *Manual Farmakologi dan Terapi*. Jakarta: EGC.
- Guyton, A.C., Hall, J.E. 2007. *Buku Ajar Fisiologi Kedokteran Edisi 11*. Jakarta: Penerbit Buku Kedokteran EGC.
- He, L., Wu, Y., Lin, L., Wang, J., Wu, Y., Chen, Y., *et al.* 2010. Hispidulin, a small flavonoid molecule, suppresses the angiogenesis and growth of human pancreatic cancer by targeting vascular endothelial growth factor receptor 2-mediated PI3K/Akt/mTOR signaling pathway. *Cancer Sci.* 102 (1): 219-25.
- Hurd, K. R. 2010. Clearing of metabolic waste via enterohepatic recirculation. University of Winconsin-Eau Claire.
- Ikawati, Z., Wahyuono, S., Maeyama, K. 2001. Screening of several indonesian medicinal plants for their inhibitory effect on histamine release from rbl-2h3 cells. *J Ethnopharmacol.* 75 (2-3): 249-56.
- Kabashima, H, Miura, N., Shimizu, M., Shinoda, W., Wang, X., Wang, Z. 2010. Preventive impact of alkaloids with anti-cancer effect extracted from natural herb and the derivatives. *J Prevent Med.* 1 (9): 51-9.
- Kaplowitz, N. 2001. Drug-induced liver disorders: implications for drug development and regulation. *Drug Saf.* 24 (7): 483-90.
- Kaplowitz, N. 1996. *Drug metabolism and hepatotoxicity*. In: Kaplowitz N (ed.) *Liver and biliary diseases 2nd edition*. Baltimore: Williams & Wilkins.
- Kardono, L. B. S., Artanti, N., Dewiyanti, I. D., Basuki, T., Padmawinata, K. 2003. *Selected Indonesian Medical Plant Monograph and Description*. Jakarta: Gramedia Widiasarana.
- Katzung, B. M. 2010. *Farmakologi Dasar dan Klinik Ed. 6*. Jakarta: EGC.

- Kementrian Kesehatan Republik Indonesia. 2011. *Pedoman Intepretasi Klinik*. Direktorat Pelayanan Kefarmasian, Kementrian Kesehatan Republik Indonesia, Jakarta 97 Hal.
- Kitteringham, N. R., Park, B.K. 1990. Drug-protein conjugation and its immunological consequences. *Drug Metab Rev.* 22 (1): 87-144.
- Knowles, S., Uetrecht, J., Shear, N. H. 2000. Idiosyncratic drug reactions: the reactive metabolite syndromes. *Lancet.* 356 (9241): 1587-91.
- Kumar, S., Pandhey, A.K. 2013. Chemistry and biological activities of flavonoids: an overview. *Scientific-World-Journal.* 2013: 162750.
- Kusumawati, D. 2004. *Bersahabat dengan Hewan Coba*. Yogyakarta: Gadjah Mada University Press.
- Lassen, E. D. 2004. Laboratory evaluation of plasma and serum protein. Di dalam: Thrall, M.A. *Veterinary Hematology and Clinical Chemistry*. Maryland: Lippincott Williams & Wilkins.
- Lin, Y. T., Yang, J. S., Lin, H.J., Tan, T. W., Tang, N.Y., Chaing, J.H., *et al.* 2007. Baicalein induces apoptosis in scc-4 human tongue cancer cel via a ca^{2+} dependent mitochondrial pathway. *In Vivo.* 21 (6): 1053-8.
- Lintong, P., Carla, K., Lintong, P. 2013. Gambaran histopatologik hati tikus wistar yang diberikan air rebusan daun sendok (*Plantago major*) pasca induksi karbon tetraklorida (CCl_4). *Jurnal e-Biomedik (eBM).* 1 (2): 935-9.
- Liu, J., Liu, Y., Parkinson, A., Klaassen, C. D. 1995. Effect of oleanolic acid on hepatic toxicant-activating and detoxifying systems in mice. *J Pharmacol Exp Ther.* 275 (2) : 768-74.
- Mahmood, A. A., Phipps, M. E. 2006. Wound healing activities of *Plantago major* leaf extract in rats. *Inter J of Trop Med.* 1 (1): 33-35.
- Middleton, E. Jr., Kandaswami, C., Theoharides, T. C. 2000. The effects of plant flavonoids on mamalian cells: implications for inflammation, heart disease, and cancer. *Pharmacol Rev.* 52 (4) : 673-751.
- Mitruka, Brij, M., Rawnsley, Howard, M., Mitrura. *Clinical Biochemical and Haematological Reference Values in Normal Experimental Animals and Normal Humans*. Missouri: Mosby.
- Moore, K. 2004. Isoprostanes and the liver. *Chem Phys Lipids.* 128 (1-2): 125-33.
- Murray, R. K., Graner, D. K., Rodwell, V. W. 2009. *Biokimia Harper Ed. 27*. Jakarta: EGC.

- Muttaqin, A. 2008. *Buku Ajar Asuhan Keperawatan dengan Gangguan Sistem Persarafan*. Jakarta: Salemba Medika.
- Nijveldt, R. J., van Nood, E., van Hooij, D. E., Boelens, P. G., van Norren, K., van Leeuwen, P. A. 2001. Flavonoids: a review of probable mechanisms of action and potential applications. *The American Society for Clinical Nutrition*. 74 (4): 418-25.
- Nugroho, M. 2013. Uji biologis ekstrak kasar dan isolat albumin ikan gabus (*Ophiocephalus striatus*) terhadap berat badan dan kadar serum albumin tikus mencit. *J Saintek Perikanan*. 9 (1): 49-54.
- OECD. 2009. *OECD Guideline for The Testing of Chemicals*. Paris: OECD Press.
- Pangemanan, L. 1999. *Plantago major* L. Dalam: de Padua, L. S., Bunyapraphatsara, N., Lemmens, R. H. M. J (Eds). *Plant Resources of South-East Asia : Medicinal and Poisonous Plants 1*. 12 (1).
- Pratiwi, A. D. 2011. Efektivitas waktu fluoxetine terhadap respon imun level cd4 pada tikus putih galur wistar dengan depresi akut. *Jurnal Kesehatan*. 4 (2): 177-83.
- Prihandayani, D. 2008. Uji Efek Penurunan Kadar Glukosa Darah Ekstrak Heksana Herba Daun Sendok (*Plantago major* L.) pada Kelinci Jantan yang Dibebani Glukosa. [Skripsi]. Surakarta: Universitas Muhammadiyah Surakarta.
- Ray, S. D., Lam, T. S., Rotollo, J. A., Phadke, S., Patel, C., Dontabhaktuni, A., et al. 2004. Oxidative stress is the masteroperator of drug and chemically-induced programmed and unprogrammed cell death: implications of natural antioxidants in vivo. *Biofactors*. 21 (1-4): 223-32.
- Redha, A. 2010. Flavonoid: struktur, sifat antioksidatif dan peranannya dalam sistem biologis. *J Belian*. 9 (2): 196 - 202.
- Robins, S. L., Cotran R. S., Kumar, V. 2007. *Buku Ajar Patologi Vol I*. Jakarta: EGC.
- Samuelsen, A. B. 2000. The Traditional uses, chemical constituents, and biological activities of *Plantago major* L. a review. *J Ethnopharmacol*. 71 (1-2): 1-21.
- Seelinger, G., Merfort, I., Christoph, M., Schempp, C.M. 2008. Anti-Oxidant, anti-inflammatory and anti-allergic activities of luteolin. *Planta Med*. 74 (14): 1667-77.
- Setiawati, A., Suyatna, Sulistia, G. 2011. *Farmakologi dan Terapi Ed.5*. Jakarta: Penerbit FKUI.

- Sherwood, L. 2011. *Fisiologi Manusia*. Jakarta: EGC.
- Siwi, A. R. S. 2010. Pengaruh Ekstrak Daun Sendok (*Plantago Major* L.) Terhadap Kadar Malondialdehid Pada Mencit Balb/C Induksi Streptozotocin. [Skripsi]. Surakarta: Universitas Sebelas Maret.
- Sudarsono, D., Gunawan, S., Wahyono, I. A., Donatus, Purnomo. 2002. *Tumbuhan Obat II*. Yogyakarta: Pusat Studi Obat Tradisional UGM.
- Sugiyarto, Setyawani, A. D., Pitoyol A. 2006. Estimasi kepelimpahan dan distribusi *Plantago major* L di Gunung Lawu. *Biodiversitas*. 7 (2): 143-46.
- Sutrisna, E., Ani, M. M., Muchtan, S., Herri, S. S. 2013. Potential apoptotic effect of plantain extract (*Plantago major* L.) through increasing of caspase-3 level on hypergastrinemic rat model. *Inter J of Research in Pharma and Nano Sci*. 2 (3): 371-81.
- Sutrisna, E., Fitriani, A. A., Salim, I. A., Maskoen, A. M., Sujatno, M., Sastramihardjo. 2013. The hepatoprotective effect of ethanol extract of plantain (*Plantago major* L.) on drug induced hepatotoxicity rat (*Rattus norvegicus*) model. *Asian J of Phytomed and Clin Res*. 2 (3): 97 -108.
- Timmermans, K. 2001. ASEAN Workshop on the TRIPS agreement and traditional medicine. Diunduh dari: <http://www.who.or.id/eng/products/ow5/sub1/display.asp?id=4>.
- Trisnarizki, L. 2007. Pengaruh Ekstrak Biji *Nigella sativa* (Jinten Hitam) Terhadap Kadar Albumin Darah Tikus Wistar Yang Diberi Metotreksat. [Skripsi]. Semarang: Universitas Diponegoro.
- Vivekanand, J. H. A. 2010. Herbal medicines and chronic kidney disease. *J Comp Asian Pacific Soc of Nephr*. 15: 10 –7.
- Wakui, Y., Yanagisawa, E., Ishibashi, E., Matsuzaki, Y., Takeda, S., Ghaida, L., et al. 1992. Determination of baicalin and baicalein in rat plasma by high-performance liquid chromatography with electrochemical detection. *J Chromatogr*. 575: 131-6.
- Wijayani, A., Ummah, K., Tjahjani, S. 2005. Characterization of carboxy methyl cellulose (cmc) from eichornia crassipes (mart) solms. *Indo J of Chem*. 5 (3): 228– 31.
- Willems, R. A. 2009. Regulatory issues regarding the use of food and water restriction in laboratory animals. *Lab Anim J*. 38 (10): 325-8.
- Winarno, M. W., Sundari, D. 2010. Uji toksisitas sub kronik ekstrak daun kembang sunsang (*Gloriosa szlperba* L.) terhadap fungsi ginjal tikus putih. *Bul Peneliti Kes*. 38 (4): 169 –74.

World Health Organization. 2015. *Research Guidelines for Evaluating the Safety and Efficacy of Herbal Medicines* (Online). Diakses pada Juni 2015.

Zimmerman, H. 1999. *Hepatotoxicity: the adverse effects of drugs and other chemicals on the liver 2nd edition*. Philadelphia: Lippincott Williams & Wilkins.

Zubair, M., Ekholm, A., Nyborn, H., Renvert, S., Widen, C., Rompunen, K. 2012. Effects of *Plantago major* L. leaf extracts on oral epithelial cells in a scratch assay. *J of Ethnopharmacol.* 141 (3): 825–30.

