

DAFTAR PUSTAKA

- Adriani, L. E., Hernawan, K. A., Kamil, dan Mushawir. 2010. *Fisiologi Ternak*. Widya Padjajaran, Bandung.
- Agus. 2009. Pengaruh Taraf Pemberian Tepung Daun Bangun-Bangun (*Coleus amboinicus* Lour Spreng) Dalam Ransum Induk Babi Menyusui Terhadap Nilai Ekonomi Penampilan Anak Babi Saphian. Skripsi: Institut Pertanian Bogor.
- Ahluwalia, P., Tewari, K., Choudary, P. 1996. Studies on the effect of monosodium glutamate (MSG) on oxidative stress on erythrocyte of adult male mice. *Journal of Toxicol lett.* 84:161-5.
- Atel, R., 2011. Hepatoprotective Effect Of *Pelectranthus amboinicus* L. Spreng Againts Carbon Tetrachloride-induced Hepatotoxicity. *Journal of natural Pharmaceuticals.* 3(1) : 28-35.
- Asiimwe, S., Anna-Karin., Borg-Karlsson., Ndukui, James., 2014. Chemical Composition and Toxicological Evaluation of The Aqueous Leaf Extract of *Plectranthus amboinicus* Lour Spreng. *International Juournal of Pharmaceutical Science Invetion.* 3(2) : 19-27.
- Baker, E.L., Landrigan P.J., Barbour A.G., 1979. Occupational Lead Poisoning in Unites States: Clinical and Biocemical Findings Relate to Blood Lead Levels. *Journal of Biocemical.* 36 (1): 314 -322.
- Bakhta, M. 2006. Hematologi Klinik Ringkas. Jakarta: EGC.
- Blaylock, R. 1997. Excitotoxins The Taste That Kills. Albuquerque: NM. Health Press NA.
- Carlo., 1999. Life science Flavonoid : Old and New aspects of class of natural therapeutics drug. 65 (4): 112-113.
- Damanik, R., Damanik, N., Daulay, Z., Saragih, S., Premier, R., Wattanapenpaiboon, N., dan Wahlqvist, M. 2001. Consumption Bangunbangun Leaves (*Coleus amboinicus*) To Increase Breast Milk Production Among Batakne Women In North Sumatra Island, *Indonesia Proceeding of The Nutrition Society o Australia.* 29 (1): 68-73.
- Damanik, R., Wahlqvist, M., dan Watanapenpaiboon, N. 2006. Lactagogue effects of torbangun, a bataknese traditional cuisine. *Asia Pacific Journal of Clinical Nutrition,* 15(2), 267-274.
- De Padva, L.S., N. Bunyapraphatsara., dan R.H.M.J. Lemmens, (Eds.1), 1999, Plant Resources of South East Asia. Medicinal and Poisonous plants 1. Prosea Foundation. Bogor, Indonesia.
- Deviyanti, D. 2015. Makalah Hematology Analyzer. <http://dyahdeviyanti.blogspot.co.id/2015/10/makalah-hematology-analyzer.html>. [Diakses 09 Agustus 2017]
- Dharmawan, N. S., 2002. *Pengantar Patologi Klinik Veteriner* (Hematologi Klinik). Cetakan II. Denpasar : Pelawa Sari.
- Donatus, I. A. 1990. Toksikologi Pangan. Edisi I. Yogyakarta: PAU Pangan dan Gizi: UGM

- Duke. 2000. Dr. Luke's Constituents and Ethnobotanical Databases. *Phytochemical database*, USDA-ARS-NGRL. http://www.ars-grin.gov/cgi-bin/duke/farmacy_scrooll3.pl
- Ebenezer. 2008. Effect of Monosodium Glutamate on Brain Lipids, Selected Biochemical and Hematological Parameter of Albino Rats. Departement of Biochemical : Universitas Nigeria.
- Fahim, E., A.M. Rahman., and M.M. Fathi. 1999. Effect of monosodium glutamate and sodium benzoate on histamine content and their potential interaction with antihistaminic in different CNS areas of albino rat. Egyptian Ger. Society of Zoology Journal 29 (1): 1-16.
- Farombi, E.O., and Onyema, O.O. (2006). Monosodium Glutamat-Induced Oxidative Damage and Genotoxicity in the Rat: Modulatory Role of Vitamin C, Vitamin E and Quercetin. *Human & Experimental Toxicology*. 25(5): 251-259.
- Food and Drug Administration, <http://www.cfsan.fda.gov/~dms/fdacmsg.html>.
- Frandsen, R. D. 1992. Anatomi dan Fisiologi Ternak. Ed ke-4. Srigandono B, Praseno K, penerjemah. Yogyakarta: Gajah Mada University Press. Terjemahan dari: Anatomy and Physiology of Farm Animals.
- Frank, C. 1995. Toksikologi Dasar, Asas, Organ Sasaran dan Penelitian Risiko. Edisi kedua. Penerjemah: Nugroho, E. UI Press. Jakarta.
- Furaida. 2015. Efek Ekstrak Etanol Daun Bangun-Bangun (*Plectranthus amboinicus* Lour Spreng) Terhadap Kadar Nitro Oxide Pada Tikus Jantan yang Diinduksi Doktorubisin. Skripsi: Fakultas Farmasi Universitas Sumatera Utara. Medan.
- Gallagher, FA., Brindle, K.M., and Bohndiek, S. E. 2011. Detection of tumor glutamate metabolism in vivo using ¹³C-glutamate. Magnetic Resonance Medical Research [Internet].2011 [situs 14 Februari 2015];66(1):18- 23. Available from: Wiley Online Library Journals
- Ganong, W. F., 2009. Buku Ajar Fisiologi Kedokteran. Edisi 22. Jakarta : EGC.
- Gautam, S., Acharya, D., Kaphle, H., dan Naupane, N., 2013. Factors Associated with Nutritional Status of Under Five Children in Rupandehi District of Nepal. JAHS. 3(1) : 56-59.
- Geha, R. S., Beiser, A., Ren, C., Patterson, R., Greenberger, P. A., Grammer, L. C., Ditto, A.M., Harris, K. E., Shaughnessy, M. A., Yarnold, P. R., Corren, J., and Saxon, A. (2000). "Review of Alleged Reaction to Monosodium Glutamate and Outcome of a Multicenter Double-Blind Placebo-Controlled Study," *The Journal of Nutrition*, 130(4S Suppl), 1058S-62S.
- Gold M., 1995. Monosodium Glutamate, <http://www.cfsan=msg.gov/dms/fdacmsg.html>
- Guyton, A. C., Hall. J. E. 1997. Buku Ajar Fisiologi Kedokteran. Edisi ke-7. Terjemahan Irawati Setiawan, Ken Ariata Tengadi dan Alex Santoso. Penerbit Buku Kedokteran, EGC, Jakarta. Terjemahan dari : Textbook of Medical Physiology.
- Guyton A. C., Hall. J. E. 2010. Textbook of Medical Physiology. 12th Edition. W. B. Saunders Company, Philadelphia.
- Halpern, B. P. 2000. The use and utility of glutamates as flavoring agents in food: Glutamate and flavor of foods. *Journal nutrition* .130(2): 910-914.

- Harada, T., Aiko, E., Gary, A. B., and Robert, R. M .1996 . Liver and gallbladder. Dalam Maronpot RR, editor. Pathology of mouse. Reference and atlas. USA : Cache River Press
- Hassan, Z.A., Arafa M.H., Soliman H.H., and Al-saeed, H.F. 2014. The effects of monosodium glutamate on thymic and splenic immune functions and role of recovery (biochemical and histological study). *Journal Cytol Histol* 5: 283. Doi:10.4172/2157-7099.1000283.
- Heyne. 1987. Tumbuhan Berguna Indonesia. Jakarta : yayasan sarana wana jaya.
- Hoffbrand, A, V., Pettit, J, E., 1996. *Hematology* . Essential Hematology.
- Jain, N. C. 1986. Schalm's Veterinary Hematology. 4th edition. Lea and Febiger. Philadelphia
- Jain, N. C. 1993. Essential of Veterinary Hematology. Lea and Febiger, Philadelphia
- Jain, S.K., dan Lata, S. 1996. Unique Indigenous Amazonian Uses of Some Plants Growing in India. *IK Monitor*. 4(3): 97-107.
- Kaemmerer, C. 1999. Food Additives. Part I. www.healingwell.com/library/allergies/kaemmerer4.asp. [24 Januari 2017].
- Kaliappan, N dan Viswanathan., 2008. GC-MS based metabolomics in methods in pharmacology and toxicology. Biomarker Methods in Drug Discovery and Development, *Humana Press*. Totowa. 9(3). 317-340.
- Kardinan, A., Fauzi, R., 2004. Meniran penambah Daya Tahan Tubuh Alami : Jakarta Agromedia, Jakarta.
- Kavishankar, G. B., Lakshmidevi, N., Murthy, S. M., Prakash, H. S., and Niranjana S. R. Diabetes and medicinal plants: A review. *Int Journal Pharm Biomed Sci*. 2: 65-80.
- Keng, H., 1978. Others and Families of Malayan Seed Plants. Singapore University Press.
- Laurence, D. R., and Bacharach, A.L. 1964. Evaluation of Drug Activities. Academic Press. London
- Lumbantoruan, J. 2015. Pengaruh ekstrak daun bangunbangun (*coleus amboinicus* L.) terhadap jumlah eritrosit dan gambaran histologis hati pada tikus putih (*rattus norvegicus*) dengan paparan BCG. Skripsi. Jurusan Biologi, FMIPA UNIMED.
- Mardisiswoyo dan Rajakmangunsudarso. 1985. Cabe Puyang Warisan Nenek Moyang. Pn balai pustaka: Jakarta.
- Muhilal, W. K. 1986, Keamanan MSG sebagai bahan tambahan makanan, Dalam : Hasil laporan seminar masalah keamanan MSG. Yayasan Lembaga Konsumen Indonesia
- Natawidjaya, P dan Suparman. 1983. Mengenal Beberapa Binatang di Alam Sekitarnya. Pustaka Dian: Jakarta.
- Novika, R. 2013. Efek Imunomodulator Ekstrak Etanol Daun Bangun-Bangun (*Plectranthus amboinicus* Lour. Spreng) Terhadap Respon Hipersensitivitas Tipe Lambat Dan Titer Antibodi Sel Imun Mencit Jantan. Skripsi: Universitas Sumatera Utara. Medan.

- Nuraeni, D. 2006. Pendugaan jumlah sel darah merah (RBC) melalui nilai hematokrit (PCV). Skripsi: Fakultas Kedokteran Hewan, Institut Pertanian Bogor.
- O'hara, Y., Iwata, S., Ichimura, M., and Sasaoka, M. 1977. Effect of administration routes of monosodium glutamate on plasma glutamate levels in infant, weanling and adult mice. *Journal Toxicol.* 2:281-290.
- Oktiani, R., 2010. Uji Aktivitas Flavonoid pada Ekstrak Daun Singkong (*Manihot esculata crantz*) Terhadap Waktu Pembekuan Darah dan Jumlah Sel Trombosit pada Mencit Betina. Skripsi Sarjana Farmasi, Sekolah Tinggi Farmasi Indonesia : Padang.
- Olney, J. W. 1970. MSG and aspartate cause brain damage following a single low level dose. *Nature.* 227: 609-611.
- Paul, G., Nath, P., Sarkar, K., Tarafder, P., and Mondal, M. 2014. Monosodium Glutamate Induces Physiological Stress by Promoting Oxygen Deficiency. *Journal. Pharm* : Article 60: 328-331.
- Patel, D.R., Naveen, K., Singh, M. P., Singh, A., Sheikh, N. W., Alam, G., and Singh, S. K. 2010. Antioxidant potential of Leaves of *Plectranthus amboinicus* Lour Spreng. *Der Pharmacia Lettre.* 2(4): 240-245.
- Park, C. H., Choi, S. H., Piao, Y., Kim, SH., Kim, HS., Jeong, SJ., Rah, JC., Seo, JH., Lee, JH., Chang, KA., Jung, YJ., and Suh, YH. 2000. Glutamate and aspartate impair memory retention and damage hypothalamic neurons in adult mice. *Toxicology* ; 115(2) : 117-25.
- Pillai, P., Suresh, P., Anggarwal, G., Doshi, G dan Vidhi, B., 2011. Pharmacognostical Standardization and Toxicity Profile of The Methabolik leaf extract of *Plectranthus amboinicus* L.Spreng. *Journal of Applied Pharmaceutical science*, 1(2) : 75-81.
- Praseno, K. 2005. Respon eritrosit terhadap perlakuan mikromineral Cu, Fe dan Zn pada ayam (*Gallus-gallus domesticus*). *Jurnal. Indo. Trop. Anim. Agric.* 30 (3): 179-185.
- Prawirohardjono, W., Iwan, D., Indwiani, A., Soeliadi, H., Erna, K., Moustafa, M., dan Michael, F. 2000. The administration to indonesians of monosodium I-glutamate in indonesian foods : an assessment of adverse reactions in randomized double blind, crossover, placebo-controlled study. *J. Nutrition.* 130, 1074S-1076S.
- Quinn, R. 2005. Comparing Rat's to Human Age: How old in people years. *Journal Nutrition.* 21(1): 775-7.
- Rizqiana, M. 2010. Pengaruh Hepatoprotektor Madu Terhadap Kerusakan Histologis Sel Hepar Mencit (*Mus Musculus*) Yang Diberi Perlakuan Natrium Siklamat. Skripsi: Fakultas Kedokteran, UNS.
- Rangkuti, R.H., Suwarso, E., dan Anjelisa, P. 2012. Pengaruh Pemberian Monosodium Glutamat Pada Pembentukan Mikronukleus Sel Darah Merah Mencit. Tesis : Fakultas Farmasi Universitas Sumatera Utara. Medan. 1 (1): 29-36.
- Ratnaningtyas, Novarina., 2010. Pengaruh Pemberian Ekstrak Kulit Buah Delima (*Punica ganatum*)Terhadap Jumlah Eritrosit dan Kadar Hemoglobin Tikus (*Rattus norvegicus*) yang Dipapar Gelombang Elektromagnetik Ponsel. Skripsi: Fakultas Kedokteran, Universitas Sebelas Maret.

- Restuati, M., 2013. Uji Efek Daun Sirsak (*Annona muricata*) Terhadap Leukosit Tikus Putih (*Rattus norvegicus*). FMIPA Universitas Lampung, 1(4): 56-57.
- Santosa, M. C., dan Salasia, O. I., 2004. Efek Ekstrak Air Daun Bangunbangun (*Coleus amboinicus*, L) pada Aktivitas Limfosit Tikus Putih. Universitas Gajah Mada. Yogyakarta.
- Santosa, C.M., dan Hertiani, T., 2005. Kandungan Senyawa Kimia dan Efek Ekstrak Air Daun Bangun-bangun (*Coleus amboinicus*, L.) pada Aktivitas Fagositosis Netrofil Tikus Putih (*Rattus norvegicus*). Majalah Farmasi Indonesia.
- Sastradipradja, D., Sikar, S. H. S., Widjajakusuma, R., Ungeru, T., Maad, A., Nasution, H., Suriawinata, R. dan Hamzah, R., 1989. Penuntun Praktikum Fisiologi Veteriner. Departemen Pendidikan dan Kebudayaan Direktorat Jenderal Pendidikan Tinggi Pusat Antar Universitas Ilmu Hayat Institut Pertanian Bogor
- Sediaoetama, A. D. 2006. Ilmu Gizi untuk Mahasiswa dan Profesi. Jilid I. Dian Rakyat, Jakarta.
- Sengupta, P. 2012. Health of Yoga and Pranayama : A State of The Art Review. *Int. Journal Prev Medcial.* 3 (1): 444-58.
- Smith, J. B., Mangkoewidjojo, S. 1988. Pemeliharaan, Pembiakan, dan Penggunaan Hewan Percobaan di Daerah Tropis. UI Press : Jakarta.
- Siagian, M. H., Rahayu, M. 2000. Laporan penelitian etnobotani *Plecanthus ambonicus* Lour didaerah Batak Toba, Sumut. Makalah. Disajikan pada Kongres Nasional obat Tradisional Indonesia. Surabaya.
- Siagian, M., Ahmad, A. J., dan Mitra, H. 2014. Pengaruh pajanan monosodium glutamat terhadap fungsi dan gambaran histologis ginjal tikus serta perubahannya pasca penghentian pajanan. *J.indo Med Assoc.* 64 (7).
- Singh, K., Ahluwlia, P. 2003. Studied on the effect of monosodium glutamate (MSG) administration on some antioxidant enzymes in the arterial tissue of adult male mice. *J. Nutr Sci Vitaminol (Tokyo)*.49(2):146-8.
- Soewolo., Yudani, T., Goenarso., Machmudin., Nurkuswanti dan Tjandara, K., 2003. Fisiologi Manusia. Malang : FMIPA Universitas Negeri Malang.
- Sudaryono, A., 2011. Uji Aktivitas Senyawa Flavonoid Total dari *Gynura segetum* (Lour) Terhadap Peningkatan Eritrosit dan Penurunan Leukosit pada Mencit (*Mus musculus*). Program Studi Kimia FMIPA, Universitas Bengkulu Jurnal Exata, 9:2 ISSN 1412-3617.
- Soegijanto, S., 2010. Uji Klinik Multicenter Sirup Ekstrak Daun Jambu Biji pada Penderita Demam Berdarah Dengue. Medicinus, 23 (1): 398-402.
- Sugiyanto, 1995. Petunjuk Praktikum Farmasi Edisi IV. Laboratorium Farmasi dan Taksonomi : UGM.
- Sulistyo, A. 2007. Kadar hemoglobin dan nilai hematokrit tikus putih dalam kondisi demam dan diberi ekstrak etanol biji duku. Skripsi: Fakultas Kedokteran Hewan, IPB. Bogor.
- Suryowati, T. 2015. Efek Ekstrak Daun Torbangun (*Coleus amboinicus* Lour) terhadap stress oksidatif tikus diabetes. Disertasi Master : IPB.
- Takasaki., Yutaka, Y., Matsuzawa., Seinosuke., O'hara, Y., Shinobu, Y., dan Masamichi, I. 1979. Toxicological studies of monosodium L-glutamate in rodents: relationship between routes of administration and

- neurotoxicity. Glutamic Acid: advances in biochemistry and physiology. Japan.
- Themi, H., Diem, Haferlach, T. 2004. Color Atlas of Hematology. Edisi ke -2. Stuttgart, New York: Thieme.
- Tranggono. 1989. Bahan Tambahan Pangan(Food additivies). PAU Pangan Gizi UGM: Yogyakarta
- Urena-Guerrero, M. E., Lopez-Perez, S. J., Beaz-Zarate, C. 2003. Neonatal monosodium glutamate treatment modifies glutamic acid decarboxylase activity during rat brain postnatal development. *Neurochem Int.* 42(4) : 269
- Vasquez, J. A., 2000. Therapeutic Options for the Management of Oropharyngeal and Esophageal Candidiasis in HIV/AIDS Patients. *HIV Clinic.* 1(1): 47-59.
- Viswanathaswamy, A. H. M., Koti, B. C., Aparna, G., Thippeswamy, A. H. M., dan Kulkarni, R. V. (2011). Antihyperglycemic and Antihyperlipidemic Activity of Plectranthus amboinicus on Normal and Alloxan-Induced Diabetic Rats. *Indian Journal of Pharmaceutical Sciences.* 73(2): 139-145.
- Wakidi, R.F. (2012). Efek Protektif Vitamin C dan E Terhadap Mutu Sperma Mencit Jantan Dewasa yang di Pajan dengan Monosodium Glutamat. Tesis. Medan: Fakultas Farmasi Universitas Sumatera Utara.
- Widianingrum, A., dan Annisa, A., 2004. Pengaruh Dosis Ekstrak Air Kangkung (*Ipomea Reptans Poir*) Terhadap Jumlah Eritrosit dan Kadar Hemoglobin Mencit. FKIP : Semarang.
- Widyawati, A.S., 2007. Efektivitas Ekstrak Daun Senyawa (*Gynura prucumbens* L. merr) Terhadap Kadar Metil Merkuri Darah dan Karakteristik Eritrosit Tikus Putih (*Rattus norvegicus*) pasca pemaparan Metil Merkuri Klorida . Skripsi, FMIPA Universitas Sebelas Maret, Surakarta.
- Widodo, W. 2005. Nutrisi dan pakan unggas kontekstual. *Jurnal Ilmu-Ilmu Pertanian Indonesia.* Edisi Khusus. 3 : 396 - 400.
- Wintergest., 2007. Contribution Of Selected Vitamins and Trace Elements to Immune Function. *J. Nutr Sci Vitaminol* : 51 (4).
- World Health Organization. Non communicable disease report., 2011 [Online]. [Cited 201132 *J Respir Indo.* 33 (2) : 276-27, April 2013 November28]. AvailablefromURL:http://www.who.int/nmh/publications/ncd_report_chapter1.pdf.
- Yu, T., Shi, W., Ma, R., dan Yu, L. 1997. Effects of maternal oral administration of monosodium glutamate at a late stage of pregnancy on developing fetal brain. *Brain Res.* 1997 Feb 7;747(2):195-206.