

DAFTAR PUSTAKA

- Agus, (2009), *Pengaruh Taraf Pemberian Tepung Daun Bangun – bangun (Coleus amboinicus Lour) Dalam Ransum Induk Babi Menyusui Terhadap Nilai Ekonomi Penampilan Anak Babi Sapihan*, Skripsi, Departemen Ilmu Produksi dan Teknologi Peternakan Fakultas Peternakan Institut Pertanian Bogor, Bogor.
- Amic, D., Beslo, D., Trinajstic, N., & Davidovic., (2002). Structure-Radical Scavenging Activity Relationship of Flavonoids. *Croatia Cemica Acta*, **6(1)**, 55-61.
- Ardyanto, T.D., (2004), MSG dan Kesehatan : Sejarah, Efek dan Kontroversinya, *INOVAS*, **1(XVI)**.
- Asiimwe, S, Anna-Karin Borg-Karlsson, Muhammad Azeem., Kamatenesi Maud Mugisha., Agnes Namutibe dan Ndukupi James Gakunga, (2014), Chemical Composition and Toxicological Evaluation of The Aqueous Leaf Extracts of *Plectranthus amboinicus* Lour. Spreng, *International Journal of Pharmaceutical Science Invention*, **3(2)**, 19-27, **ISSN Online : 2319-6718** **ISSN Print : 2319-670X**.
- Campbell, Neil A, Jane B., Reece, Lawrence G., Mitchell, (2000), Biologi Edisi kelima, Jilid 1 , Penerbit Erlangga, Jakarta.
- Chandrappa, S.M., Hugar Shivakumar, M., Itgappa, K., Nagarajappa, (2009), Antidiabetic and Antioxidant Potential of Coleus aromaticus Leaf Extracts In Alloxan Induced Diabetic Rats, *Pharmacologyonline*, **3**: 1054-1061.
- Damanik, R., Daulay, Z., Saragih, S., R., Premier, N., and Wahlquist, M., H., (2001), Consumption of Bangunbangun Leaves (*Coleus amboinicus* Lour) To Increase Breast Milk Production Among Bataknese Women in North Sumatera Island, *Proceeding of the Nutrition Society of Australia*. S67.
- De Padva, L., S., N., Bunyapraphatsara, R.H.M.J. Lemmens, (Eds.), (1999), *Plant Resources of South East Asia. Medicinal and Poisonous plants* 1. Prosea Foundation. Bogor, Indonesia.
- Depkes RI, (2005), Botani, Sinonim, Nama Umum, dan nama dagang daun Bangun-bangun, Jakarta, Depkes (terhubung berkala). <http://www.iptek.apjii.or.id>.
- Dewi, U., Tyas Saraswati, (2009), Efek Rebusan Tapak Dara Pada Dosis dan Frekuensi yang berbeda terhadap Kerusakan dan Akumulasi Glikogen pada Hepar Mencit (*Mus musculus*), *BIOMA*, **11:1**, 21-23.

- Dianara, J.M., Marc, F.R., Jane, M.B., João, A.P.A.H., & Jenifer, S., (2007), Antioxidant Properties of α -Carboline Alkaloids are Related to Their Antimutagenic and Antigenotoxic Activities, *Mutagenesis*, **22**(4).
- Dimitrios, B., (2006), Trends in Food Science & Technology (Sources of Natural Phenolic Antioxidants), *Elsevier*, **17**(2006), 505-512.
- Donatus, I.A., (1990), *Toksikologi Pangan. Edisi I*, PAU Pangan dan Gizi, UGM Yogyakarta.
- Duke, (2000), Dr. Duke's constituents and ethnobotanical database. Phytochemical database, USDA-ARS-NGRL. <http://www.arsgrin.gov/cgi-bin/duke/farmacysero/3.pl>.
- Farombi, E., O., & Onyema, O.O., (2006), Monosodium Glutamate-Induced Oxidative Damage and Genotoxicity in the Rat: Modulatory Role of Vitamin C, Vitamin E and Quercetin, *Hum Exp Toxicol*, **25**(5), 251-9.
- Food and Drug Administration, <http://www.cfsan.fda.gov/~dms/fdacmsg.html> (8 November 2016)
- Ganong, W., (1998), *Fisiologi Kedokteran Edisi 9*, EGC, Jakarta.
- 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. & 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.
- Giri, L.N., (2008), *Potensi Antioksidasi Daun Salam: Kajian in vivo pada Tikus Hiperkolesterolemia dan Hiperglikemia*, Skripsi, Program Studi Biokimia Fakultas Matematika dan Ilmu Pengetahuan Alam Institut Pertanian Bogor.
- Gonzales-Burgos, I., Perez-Vega, M.I., Beas-Zarate, C., (2001), Neonatal exposure to monosodium glutamate induces cell death and dendritic hypotrophy in rat prefrontocortical pyramidal neurons. *Neuroscience letter*, **297**(2001), 69-72.
- Gultom, Herdi, (2012), *Kajian Manfaat Ekstrak Daun Bangunbangun (Coleus amboinicus Lour) Sebagai Antioksidan pada Tikus Putih (Rattus norvegicus) yang Diberi Aktivitas Fisik Maksimal (AFM)*, Skripsi Program Studi Biologi, UNIMED.
- Halpern, B., P., (2000), The use and utility of glutamates as flavoring agents in food: Glutamate and flavor of foods, *Journal nutrition*, **130**, 910-14.
- Handoko, I.S., (2010), *Tes Fungsi Hati*, <http://www.klinikku.com/pustaka/lab/hati/tes-f-hati.html>.

- Hassan, Z., A, Manar Hamed Arafa, Wafaa Ibrahim Soliman, Hebatallah Hussein Atteia and Hanan Fathy Al-saeed, (2014), The effects of monosodium glutamate on thymic and splenic immune functions and role of recovery (biochemical and histological study), *J Cytol Histol* 2014, **5:6**, doi:10.4172/2157-7099.1000283.
- Hassan, Z.A., Arafa M.H., Soliman H.H., Al-saeed, H.F., (2014), The effects of monosodium glutamate on thymic and splenic immune functions and role of recovery (biochemical and histological study). *J Cytol Histol*, **5: 283**, Doi:10.4172/2157-7099.1000283.
- Heyne, K., 1987, *Tumbuhan Berguna Indonesia*, Jilid III, Terjemahan, Departemen Kehutanan Republik Indonesia, Jakarta.
- Huriawati, H., (2002), *Tinjauan Klinis Hasil Pemeriksaan Laboratorium (Terjemahan)*. ed 11, EGC, Jakarta.
- Husarova, V., Ostatnikova., D, (2013), Monosodium Glutamate Toxic Effects and Their Implications for Human Intake: a review, *JMED research*, Doi:10.5171/2013.608765.
- Inawati, (2011), Pengaruh Ekstrak Biji Juwet terhadap Penurunan Glukosa Darah pada Mencit BALB/c Jantan yang Diinduksi Streptozotocin, (E-library), Universitas Wijaya Kusuma, Surabaya.
- Jauniaux, E., Davies, T.C., Johns, J., Dunster, C., Hempstock, J., Kelly, F. J., and Burton, G. J., (2004), Distribution and Transfer Pathways of Antioxidant Molecules Inside the First Trimester Human Gestational Sac, *J clin Endrocrinal Metab* ; **89(3)**.
- Jepsen, F.D., Nyagosa, P., George. P., Kidola. J., Mariah, F.J., Martine. G.A., John. C., Dirk. L.C., Christian. B.P., Henrik. K., Daniel. R.W., Aase. B.A., Henrik. F., (2011), Diabetes Is a Risk Factor for Pulmonary Tuberculosis: A Case-Control Study from Mwanza, Tanzania, *Jornal*, **6**, 1-5.
- Jose, M.A, Ibrahim, Janardhanan S, (2005), Modulatory effect of *Plectranthus amboinicus* Lour, On ethylene glycol induced nephrolithiasis in rats, *Indian journal pharmacology*, **37**, 43-44.
- Keng H, (1978) Labiatae. In Steenis CGGJ van (Ed.) *Flora Malesiana*, Series I Spermatophyta.
- Kusumawardhani, D., (2005), *Uji Potensi Ekstrak Buah Labu Siam (Sechium edule) Sebagai Anti Diabetik : Kajian Terhadap Kadar Glukosa Darah, Kadar Radikal Bebas Dan Aktivitas Transaminase Hepar Tikus Diabetes*, Skripsi, Universitas Brawijaya, Malang.

- Latifa, K., Inayati, (2015), Profil Kadar MDA (Malondiadehide) Pada Tikus Yang Diberikan Ekstrak Herba Thymi (*Thymus vulgaris* (L.)), *Naskah Publikasi*, Fakultas Farmasi, Universitas Muhammadiyah Surakarta.
- Laurence, D.R., and Bacharach, A.L., (1964), *Evaluation of Drug Activities*, Academic Press, London.
- Loliger, J., (2000), Function and Importance of Glutamate for Savory of Foods, *The journal of nutrition*, **130**, 915S-920S.
- 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.
- Mahmud, M., K., Nursiah A. Mukrie, Siti Chatidjah, Sientje IVIasoara, Alwi Alhabsyi, Djasmidar, H.A. Bernadus, Hermana, Dewi Sabita Siamet, Rossi R. Apriyantono, Soebagyo Soemodihardjo, Dedi Muhtadi (1995), *Daftar Komposisi Zat Gizi Pangan Indonesia*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Mardisiswojo, S dan H., Rajakmangunsudarso, (1985), *Cabe Puyang Warisan Nenek Moyang*, PN Balai Pustaka, Jakarta.
- Maulina, N., Gusbakti Rusip, Betty, (2013), Pengaruh Pemberian Ekstrak Etanol Kulit Manggis (*Garcinia mangostana* L) Terhadap Perubahan Kadar Enzim ALT, AST Hati Mencit Jantan (*Mus musculus* L) Starin DDW Setelah Diberi Monosodium Glutamat (MSG) Dibandingkan Dengan Vitamin E.
- Megawati, D, Sutarno, Shanti Listyawati, (2005), Siklus Estrus dan Struktur Histologis Ovarium Tikus Putih (*Rattus norvegicus* L.) Setelah Pemberian Monosodium Glutamat (MSG) Secara Oral, *BioSMART*, **7 (1)**, 47-52, **ISSN: 1411-321X**.
- Nagaraja, H.S., (2006), Stress Responses in Albino Rats, *The Journal of Physiological Science*, **19 : 2**, 8-15, ISSN: 0857-5754.
- Nasution, A., Yahya., Prasetyo Adi, dan Putu Adi Santosa, (2015), Pengaruh Ekstrak Propolis Terhadap Kadar SGOT (Serum Glutamic Oxaloacetic Transaminase) dan SGPT (Serum Glutamic Pyruvic Transaminase) pada Tikus Putih (*Rattus norvegicus*) Galur Wistar dengan Diet Tinggi Lemak, *Majalah kesehatan FKUB*, **2 (3)**.
- Natawidjaya, P dan Suparman., (1983), *Mengenal Beberapa Binatang di Alam Sekitarnya*, Pustaka Dian, Jakarta.

- Nizamuddin, (2000), Pengaruh Pemberian MSG Peroral terhadap Spermatogenesis dan Jumlah Anak Tikus Putih Dewasa, *Jurnal kedokteran YARSI*, **8(3)**, 93-113.
- Nzaramba, M.N., (2008), *Relationship 17. Among Antioxidants, Phenolics, and Specific Gravity in Potato Cultivars, and Evaluation of Wild Potato Species for Antioxidants, Glycoalkaloids, and Anticancer Activity on Human Prostate and Colon Cancer Cells in vitro*, Disertasi, Texas A&M University.
- 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, *J. Toxicol. Sci.*, **2**, 281-290.
- Olney, J. W., (1969), Brain Lesions, Obesity, and Other Disturbances in Mice Treated With Monosodium Glutamate, *Science*, **194**, 719-721.
- Olney, J., W., (1970), MSG and Aspartate Cause Brain Damage Following a Single Low Level Dose, *Nature*, **227**.
- Park, C. H *et al.*, (2000), Glutamate and Aspartate Impair Memory Retention and Damage Hypothalamic Neurons in Adult Mice, *Toxicol let*, **115(2)**, 117-25.
- Patel, *et al.*, (2010), Antioxidant Potential of Leaves of *Plectranthus amboinicus* (Lour) Spreng, *Der Pharmacia Lettre*. **2(4)**, 240-245.
- Peanasari, A., Rindwitia Indah, Sri Latiyani Djamil, dan Afiana Rohmani, (2015), Pengaruh Formalin Peroral terhadap Kadar SGOT dan SGPT Tikus Wistar. *Jurnal kedokteran muhammadiyah*, **2 (1)**.
- Pillai, P., Gayatri Anggarwal, Gaurav Doshi, Vidhi Bhatia, (2011), Pharmacognostical Standardization and Toxicity Profile of The Methanolic Leaf Extract of *Plectranthus amboinicus* (Lour) Spreng in Balb C Mice, *European Journal of Experimental Biology – Pelagia Research Library*, **1:3**, 236-245.
- Prawirohardjono W., Iwan Dwiprahasto, Indwiani Astuti, Soeliadi Hadiwandowo, Erna Kristin, Moustofa Muhammad, dan Michael F Kelly (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. Nutr*, **130**, 1074S-1076S.
- Purba, Y, Marizsa, (2015), *Pengaruh Pemberian Ekstrak Etanol Daun Bangunbangun (Plectranthus amboinicus (Lour) Spreng) Sebagai Preventif dan Kuratif Terhadap Efek Toksik Rhodamin B Pada Hati Tikus Putih (Rattus norvegicus)*. Skripsi. Jurusan Biologi, FMIPA UNIMED.

- Qodriyati, N, Lely Yaumil., Erna Sulistyani, dan Budi Yuwono, (2016), Kadar serum Glutamic Oxaloacetic Transaminase (SGOT) pada Tikus Wistar (*Rattus norvegicus*) Jantan yang Dipapar Stresor Rasa Sakit Electrical Foot Shock Selama 28 Hari, *e-journal Pustaka kesehatan*, **4(1)**.
- Restrepo BI., (2007), Convergence of the Tuberculosis and Diabetes Epidemics: Renewal of Old Acquaintances, *Clin Infect Dis*, **45**, 436-8.
- Rodriguez, MC. Rosenfeld J, Tarnopolsky MA, (2003), Plasma Malondialdehyde Increases Transiently Ischemic Forearm Exercise, *Med Sci Sports Exerc*, **35(11)**, 1859-65.
- Rohdiana, D., (2001), Radical Scavengers Activity of Tea Polyphenol, *MFI*, **12(1)**, 53 – 58.
- Sanabria E.R.G., M.F.S Pereira, M.S Dolnikoff, I.S Andrade, A.T Ferreira, E.A Cavalheiro, M.J.S Fernandes vbtydk, (2002), Deficit in Hippocampal Long-term Potentiation in Monosodium Glutamate-treated Rats, *Brain Res Bull*, **59(1)**, 47-51.
- Sandra arfin aziz, (2013), *Modul Prosedur Operasional Baku Budidaya Bangunbangun (Plectranthus amboinicus), Tropical plant curriculum (TPC) project*, Southeast Asian Food And Agricultural Science and Technology (SEAFAST) Center, Bogor Agricultural University.
- Santosa, Budi, (2009), Pengaruh Suplementasi Seng terhadap Kerusakan Tubulus Ginjal dan Sistem Hematopoiesis Tikus (*Rattus norvegicus*) yang Diberi Tawas, Program Pasca Sarjana Universitas Diponegoro Semarang.
- Santosa, M Christin dan Triana Hertiani, (2005), Kandungan Senyawa Kimia dan Efek Ekstrak Air Daun Bangunbangun (*Coleus amboinicus* Lour) pada Aktivitas Fagositosis Neutrofil Tikus Putih (*Rattus norvegicus*), *Majalah Farmasi Indonesia*, **16 : 3**, 141-148
- Sauza TP, Oliveira PR, Pereira B, (2005), Physical Exercise and Oxidative Stress, Effect of Intensive Physical Exercise on Urinary Chemiluminescence and Plasmatic Malondialdehyde, *Rev Bras Med Esporte*, **11(1)**.
- Sellers, R., Daniel, M., Nigel, R., Julie, J., Ken, S., (2007), Society of Toxicologic Pathology Position Paper: Organ Weight Recommendations for Toxicology Studies, *Society of Toxicologic Pathology*, **35**, 751-755, **ISSN: 0192-6233 Print / 1533-1601 online DOI; 10.1080/01926230701595300**.
- Shenoy,B.R., Ganesh, P., and R. Suresh Kumar, (2012), Phytochemical Screening of *Coleus aromaticus* and *Leucas aspera* and Their Antibacterial Activity Against Enteric Phatogens. *International journal Pharmaceutical and Biological Archives* **3(1)**, 162-166.

- Sherlock, S., (1993), *Disease Of Liver And Biliary System*, London : Blackwell Scientific Publication.
- Siagian, M., Ahmad Aulia Jusuf, Mitra Handini, (2014), Pengaruh Pajanan Monosodium Glutamat Terhadap Fungsi dan Gambaran Histologis Ginjal Tikus Serta Perubahannya Pasca Penghentian Pajanan, *J.Indon Med Assoc*, **64(7)**.
- Silitonga, M., (1993), *Efek Laktogogum Daun Jinten (Coleus ambonicus, L.) pada Tikus Laktasi*, Tesis Magister Sains, Program Studi Biologi, Institut Pertanian Bogor, Bogor.
- Singh, K. and 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.
- Siwiendrayanti, A., Suhartono, Nur Endah W., (2012), Hubungan Riwayat Pajanan Pestisida Dengan Kejadian Gangguan Fungsi Hati (Studi padan Wanita Usia Subur di Kecamatan Kersana Kabupaten Brebes, *Jurnal Kesehatan Lingkungan Indonesia*, **11(1)**.
- Smith, J.B., dan Mangkoewidjojo., (1988), *Pemeliharaan, Pembiakan, Dan Hewan Percobaan di Daerah Tropis*, UI press, Jakarta.
- Sugiyanto, (1995), *Petunjuk Praktikum Farmasi Edisi IV*. Laboratorium Farmasi dan Taksonomi UGM, Yogyakarta.
- Suhaemi, Z., (2011), *Diktat Metode Penelitian dan Rancangan Rercobaan*, Program Studi Peternakan Fakultas Pertanian Universitas Tamansiswa, Padang.
- Takasaki, Yutaka, Yoshimasa Matsuzawa, Seinosuke Itawa, Yuichi O'hara, Shinobu Yonetani and Masamichi Ichimura, (1979), Toxicological studies of monosodium L-glutamate in rodents: relationship between routes of administration and neurotoxicity, *Glutamic Acid: advances in biochemistry and physiology*, Japan.
- Tatukude, R., (2014), Gambaran Histopatologi Hati Tikus Wistar Yang Diberikan Boraks, *Jurnal e-Biomedik (eBM)*, **2:3**.
- The International Glutamate Information Service (IGIS) <http://www.glutamate.org>
- 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)**, 269-76.

Valko, M., Leibfritz, D., Moncol, J., Cronin, M., Mazur, M., Telser, J., (2006), "Free Radicals and Antioxidants in Normal Physiological Functions and Human Disease", *Int J Biochem Cell Biol*, **39 (1)**.

Vasquez, E. A., W. Kraus, A., D. Solsoloy, and B. M. Rejesus, (2000), The Use of Species and Medical : Antifungal, Antibacterial, Anthelmintic, and Molluscicidal Constituent of Philippine Plant, <http://www.faoorg/docrep/x2203ow/x2230es>.

Walker R and Lupien, J.R., (2000), The Safety Evaluation of Monosodium Glutamate, *J Nutr*, **130**, 1049S-1052S.

West, J., (2006), *Elevated Serum Alanin Transminase In Patients With Type 1 And Type2 Diabetes Mellitus*. <http://www.qjmed.oxpordjournals.org/99/12/871>.

Yamaguchi S, Ninomiya K, (2000), Umami and Food Palatability, *J. Nutr.* **13**, 921S-926S.

Yu, T., Shi, W., Ma, R., Yu, L., (1997), Effects of Maternal Oral Administration of Monosodium Glutamate at A Late Stage of Pregnancy On Developing Fetal Brain, *Brain Res*, **747(2)**, 195-206.