

BIBLIOGRAPHY

- Agrawal, S. K., Karthikeyan, V., Parthiban, P., and Nandhini, R. *Multivitamin plant: pharmacognostical standardization and phytochemical profile of its leaves*. Journal of Pharmacy Research Vol 8.7 (2014): 920-925.
- Andarwulan, N., Batari, R., Sandrasari, D. A., Bolling, B., and Wijaya, H. 2010. *Flavonoid content and antioxidant activity of vegetables from Indonesia*. Food chemistry, 121(4), 1231-1235.
- AOAC. 2000. *Official Methods of Analysis of the Association of Official Analytical Chemists*. Arlington: AOAC Inc.
- AOAC. 2005. *Official Methods of Analysis of the Association of Official Analytical Chemists*. Washington: AOAC Inc.
- Arumugam, G., Swamy, M., and Sinniah, U. 2016. *Plectranthus amboinicus (Lour.) Spreng: botanical, phytochemical, pharmacological and nutritional significance*. Molecules, 21(4), 369.
- Badami, S and Channabasavaraj, K. P. 2007. *In vitro antioxidant activity of thirteen medicinal plants of India's Western Ghats*. Pharmaceutical Biology, vol. 45, no. 5, pp. 392–396.
- Badan Standarisasi Nasional. 1994. *SNI 01-3552-1994: Jelly agar*. Jakarta: Badan Standarisasi Nasional.
- Blackburn, S. T. 2007. *Maternal, Fetal, & Neonatal Physiology: A Clinical Perspective*. New York: Elsevier Health Sciences.
- Bodnar, R. J. 2010. *Endogenous opiates and behavior*. Peptides, 31 (12), 2325–2359.
- Borkatakya, M. 2015. *Antioxidant activity, total phenolic content and total flavonoid content of Perilla ocymoides Linn*. Der Pharm Lett, 7(5), 69-72.
- Britton, G., Liaaen-Jensen, S., and Pfander, H. 2008. *Caretonoids, Vol 4: Natural Functions*. New Jersey: Springer Science & Business Media.
- Buttaro, T. M., Trybulski, J., Polgar-Bailey, P., and Sandberg-Cook, J. 2012. *Primary Care: A Collaborative Practice*. New York: Elsevier.
- Clarkson, C., Maharaj, V.J., Crouch, N.R., Grace, O.M., Pillay, P., Matsabisa, M. G., Bhagwandin, N., Smith, P.J., and Folb, P.I. 2004. *In vitro antiplasmodial activity of medicinal plants native to or naturalized in South Africa*. J Ethnopharm. 92, 177-191.
- Colegate, S. M. 2007. *Bioactive Natural Products: Detection, Isolation, and Structural Determination, Second Edition*. Boca Raton: CRC Press.
- Dai J., and Mumper R. J. 2010. *Plant phenolics: extraction, analysis and their antioxidant and anticancer properties*. Molecules;15: 7313-52.

- Dalimartha, S. 2008. *Atlas Tumbuhan Obat Indonesia: Mengungkap Kekayaan Tumbuhan Obat Indonesia*. Jakarta: Niaga Swadaya.
- Damanik, R. 2005. *Effect of Consumption of Torbangun Soup (Coleus amboinicus Lour) on Micronutrient Intake of the Bataknese Lactating Women*. Bogor: Fakultas Teknologi Pertanian IPB.
- Damanik R., Daulay Z., Saragih S.R., Premier N., Wattanapenpaiboon, Wahlqvist M.L. 2001. *Consumption of bangun-bangun leaves (Coleus amboinicus Lour) to increase breast milk production among Bataknese women in North Sumatra Island, Indonesia*. APJCN;10(4):S67.
- Dar, Y. L. and Light, J. M. 2014. *Food Texture Design Optimization*. Oxford: John Wiley & Sons.
- Droge, W., and Schipper, H. M. 2007. *Oxidative stress and aberrant signaling in aging and cognitive decline*. Aging Cell, 6 (3), 361– 370.
- Eng Khoo, H., Azlan, A., and Ismaila, A. 2015. *Sauropus androgynus leaves for health benefits: Hype and the science*. The Natural Products Journal, 5(2), 115-123.
- Esmaeili, K. A., Mat Taha, R., Mohajer, S., and Banisalam, B. 2015. *Antioxidant activity and total phenolic and flavonoid content of various solvent extracts from in vivo and in vitro grown Trifolium pratense L.(Red Clover)*. BioMed Research International, 2015.
- Farida, Y., Gangga, E., Kartiningsih, K., and Arsila, A. 2015. *Formulation and the antioxidant activity of Cincau hijau leaves (Cyclea barbata L. Miers) ethanolic extract*. Jurnal Tumbuhan Obat Indonesia, 8(2), 58-62.
- Garna, H., Mabon, N., Wathélet, B., and Paquot, M. 2003. *Combined enzymatic hydrolysis and HPAEC method for simultaneous analysis of galacturonic acid and neutral sugars of pectin*. Communications in agricultural and applied biological sciences, 68(2 Pt A), 297-300.
- Chapin, F. S., and Van-Cleve, K. 2007. *Approaches to studying nutrient uptake, use and loss in plants*. Dordrecht: Springer.
- Gordon, M. 2001. *The developments of oxidative rancidity in foods*. London: CRC Press, Wood- head publishing Ltd.
- Gupta, R. C. 2017. *Reproductive and Developmental Toxicology*. London: Academic Press.
- Hamidi, M., Jovanova, B., and Panovska, T. 2014. *Toxicological evaluation of the plant products using Brine Shrimp (Artemia salina L.) model*. Macedonian Pharm Bull, 60(1), 9-18.
- Hertog, M., Lammertyn, J., Desmet, M., Scheerlinck, N., and Nicolai, B. M. 2004. *The impact of biological variation on postharvest behaviour of tomato fruit*. Postharvest Biol Technol. 34(3): 271–284.

- Hudson, B. J. 2012. *Food Antioxidants*. New Jersey: Springer Science & Business Media.
- Ismail, N. Z., Arsad, H., Samian, M. R., and Hamdan, M. R. 2017. *Determination of Phenolic and Flavonoid Contents, Antioxidant Activities and GC-MS Analysis of Clinacanthus nutans (Acanthaceae) in Different Locations*. AGRIVITA, Journal of Agricultural Science, 39(3), 335-344.
- Iwansyah, A. C., Damanik, M. R. M., Kustiyah, L., and Hanafi, M. 2017. *POTENSI FRAKSI ETIL ASETAT DAUN TORBANGUN (Coleus amboinicus L.) DALAM MENINGKATKAN PRODUKSI SUSU, BOBOT BADAN INDUK, DAN ANAK TIKUS*. Jurnal Gizi dan Pangan, 12(1), 61-68.
- Jayadeepa, R.M., Anupama, S., and Aswathy, R.M. 2011. *Insilico Techniques for the Identification of Novel Natural Compounds for Secreting Human Breast Milk*. Webmed Central Bioinformatics, 8, 1-6.
- Jin, S. H., Huang, J. Q., Li, X. Q., Zheng, B. S., Wu, J. S., Wang, Z. J., and Chen, M. 2011. *Effects of potassium supply on limitations of photosynthesis by mesophyll diffusion conductance in Carya cathayensis*. Tree physiology, 31(10), 1142-1151.
- Kajiwarra, K. 2000. *Gels Handbook, Four-Volume Set*. New York: Elsevier.
- Kalpna, P., and Srinivasan, K. 2017. *Nutritional Profile of Chekurmanis (Sauropus androgynus), A Less Explored Green Leafy Vegetable*. The Indian Journal of Nutrition and Dietetics, 54(3), 243-252.
- Katrin E. B. and Shodiq, A. M. 2013. *Aktivitas antioksidan ekstrak dan fraksi daun cincau hijau rambat (Cyclea barbata Miers.) serta identifikasi golongan senyawa dari fraksi yang paling aktif*. J. Bahan Alam Indonesia 8, no. 2: 118-124.
- Kang H. S., Kim K. R., Jun E. M., Park S. H., Lee T. S., Suh J. W., and Kim J. P. 2008. *Cyathuscavins A, B, and C, new free radical scavengers with DNA protection activity from the Basidiomycete Cyathus stercoreus*. Bioorg Med Chem Lett. 18(14):4047-50.
- Kao, C., Ho, Y. J., Wu C.L., and Chang L. 2010. *Using 99mTc-DTPA Radioaerosol Inhalation Lung Scintigraphies to Detect the Lung Injury Induced by Consuming Sauropus androgynus Vegetable and Comparison with Conventional Pulmonary Function Tests*. China: Karger AG.
- Khan, J., Khan, R., and Qureshi, R. A. 2013. *Ethnobotanical study of commonly used weeds of District Bannu, Khyber Pakhtunkhwa*. J Med Plants Stud, 1(6).
- Khattak, M. M., Ali K., and Muhammad T. 2011. *Bioactivity-guided isolation of antimicrobial agent from Coleus amboinicus Lour (Torbangun)*. IIUM RMC.

- Kreungngern, D., and Chaikham, P. 2016. *Rheological, physical and sensory attributes of Chao Kuay jelly added with gelling agents*. International Food Research Journal, 23(4), 1474.
- Kruger, V. 2014. *Balinese Food: The Traditional Cuisine and Food Culture of Bali*. North Clarendon: Tuttle Publishing
- Kusumaningsih, R. 2003. *Mempelajari pembuatan minuman instan dari ekstrak daun cincau hijau *Cyclea barbata* Miers. dan *Premna oblongifolia* Merr*. Bogor: Fakultas Teknologi Pertanian, Institut Pertanian Bogor.
- Lawrence, M., Naiyana and Damanik M. R. M. 2005. *Modified Nutraceutical Composition*. Melbourne: Freehills patent and trademark Attorneys Melbourne.
- Lawless, H. T. and Heyman, H. 2010. *Sensory Evaluation of Food: Principles and Practices*. New Jersey: Springer Science & Business Media.
- Manach C., Williamson G., Morand C., Scalbert A., and Rémésy C. 2005. *Bioavailability and bioefficacy of polyphenols in humans. I. Clin Nutr*;81(1):230S-42S.
- Margono, F. E. P. 2013. *Uji Efek Daun Katuk (*Sauropus Androgynus* (L.) Merr) Terhadap Kualitas Spermatozoa Tikus Putih Jantan (*Rattus Norwegians*) Secara Histologi*. Calyptra 2.1: 1-14.
- Marjoni, M. R., and Zulfisa, A. 2017. *Antioxidant activity of methanol extract/fractions of senggani leaves (*Melastoma candidum* D. Don)*. Pharm Anal Acta 8: 2-6.
- Marković, J., Štrbanović, R., Cvetković, M., Anđelković, B., and Živković, B. 2009. *Effects of growth stage on the mineral concentrations in alfalfa (*Medicago sativa* L.) leaf, stem and the whole plant*. Biotechnology in Animal Husbandry, 25(5-6-2), 1225-1231.
- Martínez-Ballesta, M. C., Dominguez-Perles, R., Moreno, D. A., Muries, B., and Alcaraz-López C. 2010. *Minerals in plant food: effect of agricultural practices and role in human health. A review*. Agronomy for Sustainable Development, Springer Verlag/EDP Sciences/INRA, 2010, 30 (2).
- Mehta V., Sharma A., Kalikhura P., and Malairaman U. 2016. *Antioxidant, anti-inflammatory, and antidiabetic activity of hydroalcoholic extract of *Ocimum santum*: an in vitro and in silico study*. Asian J Pharm Clin Res;5:44-9.
- Mizrahi, S. 2010. *Syneresis in food gels and its implications for food*. Food Science, Technology and Nutrition pg 324-348.
- Morales, R., Martinez M. J., and Pilosof A. M. R. 2017. *Impact of casein glycomacropetide on sodium caseinate self-assembly and gelation*. International Dairy Journal 49 (2015): 30-36.

- Muizzuddin, N., Marenus, K., Maes, D., and Smith, W. P. 1990. *Use of a chromameter in assessing the efficacy of anti-irritants and tanning accelerators*. J Soc Cosmet Chem, 41, 369-378.
- Musa, S., Ariff, N. A., Kadir, M. A., and Denan, F. 2016. *Simplified Method for Groundwater Treatment Using Dilution and Ceramic Filter*. In IOP Conference Series: Materials Science and Engineering (Vol. 136, No. 1, p. 012074). IOP Publishing
- Nurdin, S. U., Le Leu, R. K., Young, G. P., Stangoulis, J. C., Christophersen, C. T., and Abbott, C. A. 2017. *Analysis of the anti-cancer effects of cincau extract (Premna oblongifolia merr) and other types of non-digestible fibre using faecal fermentation supernatants and Caco-2 cells as a model of the human colon*. Nutrients, 9(4), 355.
- Nursasanti, A. 2011. *Susu Kedelai dengan Penambahan Ekstrak Daun Torbangun (Coleus amboinicus Lour) Sebagai Pengembangan Produk Minuman Sumber Kalsium*. Bogor: Institut Pertanian Bogor.
- Nollet L. M. L. 2004. *Handbook of Food Analysis: Physical characterization and nutrient analysis, Volume 1*. Boca Raton: CRC Press.
- Nollet, L. M. L. and Gutierrez-Uribe, J. A. 2018. *Phenolic Compounds in Food: Characterization and Analysis*. Boca Raton: CRC Press.
- Petrus, A. J. A. 2013. *Sauropus androgynus (L.) Merrill-A Potentially Nutritive Functional Leafy-Vegetable*. Asian Journal of Chemistry, 25(17).
- PFA - Prevention of Food Adulteration. 2008. *Pfa seventh amendment rules. The Universal law*. pp 102-103. Publishing co. pvt. Ltd.
- Phongpaichit, J. N., Rungjindamai, N., Sakayaroj, J., Hutadilok-Towatana, N., Rukachaisirikul, V. and Kirtikara K. 2007. FEMS Immunol. Med. Microbiol. 51 (3), 517-525
- Pokorny, J. 2001. *Natural antioxidant functionality during food processing*. Cambridge: CRC Press, Wood-head Publishing Ltd.
- Pomeranz, Y. 2014. *Food Analysis: Theory and Practice*. New York: Springer Science & Business Media.
- Puji, R. and Leenawaty, L. 2005. *Studi Lapangan Kandungan Khlorofil IN Vivo Beberapa Spesies Tumbuhan Hijau di Salatiga dan Sekitarnya*. Seminar Nasional MIPA.
- Rababah, T.M., Hettiarachchy N.S., and Horax R. 2004. *Total phenolics and antioxidant activities of fenugreek, green tea, black tea, grape seed, ginger, rosemary, gotu kola, and ginkgo extracts, vitamin E, and tert-butylhydroquinone*. J Agric Food Chem. 52(16):5183-6
- Ramayulis, R. 2015. *Green Smoothie ala Rita Ramayulis*. Jakarta: Gramedia Pustaka Utama.

- Rukmana, S. 2003. *Katuk Potensi dan Manfaatnya*. Yogyakarta: Penerbit Kanisius.
- Rumetor, S. D., 2008. *Supplementation of bangun-bangun leaf (Coleus amboinicus Lour) and Zn-vitamin E to improve metabolism and milk production of Etawah cross bred goats*. Indonesian Journal of Animal and Veterinary Sciences, 13(3), 189-196.
- Sahasakul, Y., Thiyajai, P., Kriengsinyos, W., and Charoenkiatkul, S. 2015. *Nutrients and Phenolic Acids in Krung Ba Dan (Cyclea barbata Miers) Leaves and Aqueous Extract from Ubon Ratchathani Province*. Journal of Science and Technology, Ubon Ratchathani University, 17(2), 1-8.
- Sahgal, G., Ramanathan, S., Sasidharan, S., Mordi, M.N., Ismail, S., and Mansor, S.M., 2010. *Brine Shrimp Lethality and Acute Oral Toxicity Studies on Swietenia mahagoni (Linn.) seed methanolic extract*. Pharmacognosy Res. 2, 215-220.
- Saragih, R. 2014. *Uji Kesukaan Pada Teh Torbangun*. Institute Teknologi Indonesia, ISSN 2338-7793.
- Setyaningtyas, W. 2000. *Karakteristik Pembentukan Gel Campuran Hidrokolloid Cincau Hijau Premna oblongifolia Merr dan Alginat*. Bogor: Fakultas Teknologi Pertanian IPB.
- Sharma R. 2014. *Polyphenols in health and disease: practice and mechanisms of benefits: Polyphenols in human health and disease*. San Diego: Academic SIG (Saraswanti Indo Genetech).
- SIG (Saraswanti Indo Genetech). 2013. *Flowchart Metal and Mineral Analysis with ICP OES*. Bogor: Saraswanti Indonesia Genetech Graha SIG.
- Singh, A. 2014. *Herbal Drugs as Therapeutical Agents*. Boca Raton: CRC Press.
- Singh, S., Singh, D. R., Salim, K. M., Srivastava, A., Singh, L. B., and Srivastava, R. C. 2011. *Estimation of proximate composition, micronutrients and phytochemical compounds in traditional vegetables from Andaman and Nicobar Islands*. Int J. Food Science Nutrition, 62 (7), 765-773.
- Skibsted, L. H., Risbo, J., and Andersen M. L. 2010. *Chemical Deterioration and Physical Instability of Food and Beverages*. New Jersey: Elsevier
- Sunanto, H. 1995. *Budidaya Cincau*. Yogyakarta: Kanisius.
- Suprayogi, A. 2000. *Studies on the biological effects of Sauropus androgynus (L.) Merr: Effects on milk production and the possibilities of induced pulmonary disorder in lactating sheep*. ISBN:3 89712-941-8, Göttingen (DE): Cuvillier Verlag
- Tafzi, F., Andarwulan, N., Giriwonob, P. E., and Dewid, F. N. A. 2017. *Efficacy Methanol Extract of Torbangun Leaves (Plectranthus amboinicus) in Epithelial Cell of Mammary Gland MCF-12A*. Jurnal Ilmu Keafarmasian Indonesia, 15(1), 17-24.

- Taylor, A. J. and Roberts, D. D. 2008. *Flavor Perception*. New Jersey: John Wiley & Sons.
- Untoro, A. 1985. *Mempelajari Beberapa Sifat Dasar Dalam Pembentukan Gel Dari Cincau Hijau Premna oblongifolia Merr*. Bogor: Fakultas Teknologi Pertanian IPB.
- Vajragupta, O., Boonchoong P., and Berliner L. J. 2004. *Manganese complexes of curcumin analogues: evaluation of hydroxyl radical scavenging ability, superoxide dismutase activity and stability towards hydrolysis*. Free Radic Res. 38(3):303-14.
- Velderrain-Rodríguez G., Palafox-Carlos H., Wall-Medrano A., Ayala-zavala J., Chen C. O., and Robles-Sánchez M. 2014. *Phenolic compounds: their journey after intake*. Food Funct; 5(2):189-97.
- Vinha, A. F., Moreira, J., and Barreira, S. V. 2013. *Physicochemical parameters, phytochemical composition and antioxidant activity of the algarvian avocado (Persea Americana Mill.)*. Journal of Agricultural Science, 5(12), 100.
- Wambach, K. and Riordan, J. 2014. *Breastfeeding and Human Lactation*. Burlington: Jones & Barlett Learning.
- Westcott, C. 2012. *pH Measurements*. New York: Elsevier.
- Yulianti R. 2008. *Pembuatan minuman jeli daun kelor (Moringa oleifera lamk) sebagai sumber vitamin C dan β -karoten*. Bogor: IPB.
- Yulianto, W., Andarwulan, N., Giriwono, P. E., and Pamungkas, J. 2010. *BIOACTIVE COMPOUNDS FROM TORBANGUN [Plectranthus amboinicus (Lour.) SPRENG] CHLOROFORM FRACTION INDUCE APOPTOSIS IN BREAST CANCER (MCF-7 CELLS) IN VITRO*. Majalah Obat Tradisional (Traditional Medicine Journal), 22(1), 37-44.
- Zakaria, F., 2012. *Effect of Torbangun (Coleus amboinicus Lour) and Katuk Leaf (Sauropus androgynus L. Merr) in Ration on Milk Yield and Milk Quality of Lactating Peranakan Etawah Goats*. Bogor: Fakultas Teknologi Pertanian IPB.
- Zakiah, S.N. 2007. *Pengaruh Penambahan Vitamin E dan Minyak Bekatul sebagai Antioksidan terhadap Keawetan Sop Torbangun (Coleus amboinicus Lour)*. Bogor: Fakultas Pertanian Institut Pertanian Bogor.