

DAFTAR PUSTAKA

- Adinugroho, WC., Sidiyasa, K., 2006, Model Pendugaan Biomassa Pohon ,ahoni (*Swietenia macrophylla* King) di atas Permukaan Tanah, *Hutan Koservasi Alam*, **3**(1), 103–117.
- Afzan, A., Abdullah, N.R., Halim, S.Z., Rashid, B.A., Semail, R.H., Abdullah, N., 2012, Repeated dose 28-days oral toxicity study of *Carica papaya* L. leaf extract in Sprague Dawley rats, *Molecules*, **17**(4): 4326-4342.
- Agrawal, A.D., 2011, Pharmacological Activities of Flavonoids: A Review, *Int. J. Pharm. Sci. Nanotech.*, **4**(2): 1394-1398.
- Alrdahe, S.S., Abdulla, M.A., Razak, S.A., Kadir, F.A., Hassandarvish, P., 2010, Gastroprotective Activity of *Swietenia mahagoni* Seed Extract on Ethanol-Induced Gastric Mucosal Injury in Rats, *World Academy of Science, Engineering and Technology*, 67.
- Amanda, Turangan, T.M., Wewengkang, Defny S., Yudistira, Adithya., 2019, Uji Aktivitas Antioksidan Ekstrak Etanol Kulit Batang Mahoni (*Swietenia macrophylla*) Menggunakan Metode DPPH (1,1-Diphenyl-2-Picrylhydrazyl), *Pharmakon. Jurnal Ilmiah Farmasi*, **8**(3).
- Amarowicz, R., Naczek, M., Shahidi, F., 2000, Antioxidant Activity of Crude Tannins of Canola and Rapeseed Hulls, *JAOCs*, **77**, 957-961.
- Amom, Z., Bahari H., Isemaail S., Ismail NA., Shah Z.Md. dan Arsyad MS., 2009, Nutritional composition, Antioxidant Ability and Flavonoid Content of *Tinospora crispa* stem, *Adv In Nat Appl Sci*, **3** (1), 88-94.
- Anbudhasan, P., Surendraraj, A., Karkuzhali, S., & Sathishkumaran, P., 2014, Natural antioxidants and its benefits, *Int. J. Food Nutr. Sci.*, **3**(6): 225-232.
- Andarwulan, N., Kurniasih, D., Apriady, R.A., Rahmat, H., Roto, A.V., Bolling, B.W., 2012, Polyphenols, carotenoids, and ascorbic acid in underutilized medicinal vegetables, *J Funct Foods*, **(4)** 339-347.
- Ariyanto, R., 2006, Uji Aktivitas antioksidan, Penentuan Kandungan Fenolik dan Flavonoid Total Fraksi Kloroform dan Fraksi Air Ekstrak Metanolik Pegagan (*Centella asiatica* L. Urban), Skripsi, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Azlan, A., L. Younis, N. H. Mahmud, and N. A. Dardiri., 2013, Mechanism of Action of *Andrographis paniculata* as Anti Atherosclerotic Agent, *European International Journal of Science and Technology*, **2** (2), 1-6.
- Backer, C.W. & Brink, R.C.B., 1965, *Flora of Java*, Noordhoff-Groningen, Netherlands.
- Bacsal, K., Chavez, L., Diaz, I., Espina, S., Javillo, J., Manzanilla, H., Motalban, J., Panganiban, C., Rodriguez, A., Sumpaico, C., Talip, B., and Yap, S., 1997, The effect of *Swietenia mahagoni* (Mahogany) seed extract on

indomethacin-induced gastric ulcers in female Sprague-dawley rats, *Acta Med. Philipp*, 3: 127-139.

- Baranowska, I., Bajkacz, S., 2018, A New UHPLC-MS/MS Method for the Determination of Flavonoids in Supplements and DPPH-UHPLC-UV Method for the Evaluation of the Radical Scavenging Activity, *Food Chem. J.*, **256**, 333-341.
- Basma, A. A., Zakaria, Z., Latha, L. Y., & Sasidharan, S., 2011, Antioxidant Activity and Phytochemical Screening of the Metanol Extracts of *Euphorbia hirta* L., *Asian Pac. J. Trop. Med.*, 386-390.
- Beecher, G.R., 1999, Antioxidant Food Supplements, dalam Packer, L., Hiramatsu, M., Yoshikawa, T., (Eds.), *Human Health*, Academic Press, New York.
- Bors, W., Heller, W., Michel, C., Saran, M., 1990, Flanonoid as Antioxidants: Determination of Radical Scavenging Efficiencies, *Methods Enzymol.*, **186**, 343-355.
- Briones-Labarca, V., Plaza-Morales, M., Giovagnoli-Vicuña, C., & Jamett, F., 2015., High hydrostatic pressure and ultrasound extractions of antioxidant compounds, sulforaphane and fatty acids from Chilean papaya (*Vasconcellea pubescens*) seeds: Effects of extraction conditions and methods, *LWT-Food Science and Technology*, **60** (1), 525–534.
- Cadenas, E. & Packer, L., 2002, *Handbook of Antioxidants*, Marcel Dekker Inc., New York.
- Chen, Y.Y., Wang, X.N., Fan, C.Q., Yin, S. and Yue, J.M., 2007, Swiemahogins A and B, two novel Limonoids from *Swietenia mahogany*, *Tetrahedron Letters*, 48: 7480-7484.
- Cooper, K.H., 2001, *Sehat Tanpa Obat Empat Langkah Revolusi Antioksidan yang Mengubah Hidup Anda*, diterjemahkan oleh Marlia, 29-46, Penerbit Kaifa, Bandung.
- Cuvelier, M.E., Richard, H., & Besset, C., 1992, Comparison of the Antioxidant Activity of Some Acid Phenols: Structure-Activity Relationship, *Biosci. Biotech. Biochem.*, **56** (2), 324-325.
- Dalimartha, Setiawan., 2008, *Atlas Tumbuhan Obat Jilid 5*, PT. Pustaka Bunda, Jakarta.
- Dehpour, A.A., Ebrahimzadeh, M.A., Fazel, N.S., dan Mohammad, N.S., 2009, Antioxidant Activity of Methanol Extract of *Ferula assafoetida* and Its Essential Oil Composition, *Grasas Aceites*, **60** (4), 405-412.
- Departemen Kesehatan RI, 1979, *Farmakope Indonesia, Edisi III*, Departemen Kesehatan Republik Indonesia, Jakarta.
- Departemen Kesehatan RI, 1986, *Sediaan Galenik*, Departemen Kesehatan RI, Jakarta.

- Departemen Kesehatan RI, 1986, *Sediaan Galenik, Jilid 2*, Jakarta, Direktorat Jenderal Pengawasan Obat dan Makanan.
- Departemen Kesehatan dan Kesejahteraan Sosial RI., 2000, *Inventaris Tanaman Obat Indonesia (I) Jilid 1*, Jakarta.
- Dinis, T.C., Maderia, V.M., dan Almeida, L.M., 1994, Action of Phenolic Derivates (*Acetaminophen, Salicylate and 5-Aminosalicylate*) as Inhibitors of Membrane Lipid Peroxidation and as Peroxyl Radical Scavengers, *Archives of Biochemistry and Biophysics*, 315, 161–169.
- Dixit, VP, Kimnna P, Bhargava SK., 1978, Effects of *Momordica charantia* L. Fruit extract on the Testicular Function of Dog, *J. Med. Plant Res*, 34:280.
- Dixon, R.A., Dey, P.M. & Lamb, C.J., 1983, Phytoalexins: Enzymology and Molecular Biology, *Adv. Enzymol. Relat. Areas Mol. Biol.*, **55**, 1–136.
- Dompeipen, Edward J., Simanjuntak, Partomuan., 2015, Aktivitas Antidiabetes Dan Antioksidan Kapang Endofit Dari Tanaman Mahoni (*Swietenia macrophylla* King), *Biopropal Industri*, **6**(1), 7-17.
- Dorta, E., Lobo, M. G., Gonzales, M., 2012, Reutilization of Mango Bioproducts: Study of the Effect of Extraction Solvent and Temperature on Their Antioxidant Properties, *J. Food Sci.*, **77**, 80-88.
- Dutta, M., Raychaudhuri, Chakroborty R, Maji D., 2011, Role of diet and plants on diabetic patients: A critical appraisal, *Sci Cult*, **77**:115-122.
- Dwivedi, Manish Kumar., Sonter, Shruti., Mishra, Shringika., Patel, Digvesh Kumar., Singh, Prashant Kumar., 2020, Antioxidant, antibacterial activity, and phytochemical characterization of *Carica papaya* flowers, *Beni-Suef University Journal of Basic and Applied Sciences*, **9** (23).
- Edy, H.J., Marchaban., Wahyuono, S., dan Nugroho, A.E., 2017, Formulation and Evaluation of Hydrogel Containing *Tagetes erecta* L. Leaves Etanolic Extract, *International Journal of Current Innovation Research*, **3**(03): 627–630.
- El-Nekeety, A., Abdel-Wahhab, Khaled G., Abdel-Aziem, Sakena H., Mannaa, Fathia A., Hassan, Nabila S., Abdel-Wahhab, Mosaad A., 2017, Papaya fruits extracts enhance the antioxidant capacity and modulate the genotoxicity and oxidative stress in the kidney of rats fed ochratoxin A-contaminated diet, *Journal of Applied Pharmaceutical Science*, **7**(07), 111-121.
- Falah, S., Suzuki, T., Katayama, T., 2013, Chemical constituents from *Swietenia macrophylla* bark and their antioxidant activity, *Pakistan Journal of Biological Sciences*, **11**(6), 2007-2012.
- Farag, R.S., Badel, A.Z.A., & Baroty, G.S.A., 1989, Antioxidants Activity of Essential Oil on Linoleic Acid Oxidation in Aqueous Media, *JAOCs*, **66**, 792-299.

- Fatchurrozak. Suranto. dan Sugiyarto., 2013, Pengaruh Ketinggian Tempat Terhadap Kandungan Vitamin C dan Zat Antioksidan pada Buah Carica pubescens di Dataran Tinggi Dieng, *El-Vivo*, **1**(1), 24-31.
- Fitriningrum R., Sugiyarto., Susilowati, A., 2013, Analysis of carbohydrate content at different levels of maturity of carica fruit (*Carica pubescens*) in Kejajar and Sembungan, Dieng Plateau, Central Java, *Bioteknologi*, **10**(1), 6-14.
- Gani, A. Puspitasari., Pramono, Suwidjiyo., Martono, Sudibyo., Widyarini, Sitarina., 2018, Radical Scavenging Activity Combination of Sambiloto (*Andrographis paniculata* Ness.) and Patikan Kebo (*Euphorbia hirta* L.) Ethanolic Extracts on 2,2-Difenil-1-Picrylhydrazyl (DPPH), *Traditional Medicine Journal*, **23**(3): 149-154.
- Guevara A.P., Apilado, A., Sakurai, H., Kozuka, M., Tokunda., 1996, Antiinflammatory, antimutagenicity and antitumor activity of mahogany seeds *Swietenia macrophylla* (Meliaceae), *Phill J. of Sci*, 125: 271-278.
- Guevara, A.P., A. Apilado., Hiromu, S., Mutsou, K., & Harukuni, T., 1996, Antiinflammatory, antimutagenicity and antitumor-promoting activities of mahogany seeds, *Swietenia macrophylla* (Meliaceae), *Philippine Journal of Science*, **125**(4), 271-278.
- Hajli, Zulia., 2012, Isolasi Senyawa Golongan Flavonoid Biji Mahoni (*Swietenia macrophylla* Jacq.) yang Berpotensi Sebagai Antioksidan, Skripsi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor, Bogor.
- Hamlaoui, I., Bencheraiet, R., Bensegueni, R., Bencharil, M., 2017, Experimental and Theoretical Study on DPPH Radical Scavenging Mechanism of some Calcone Quinolone Derivatives, *J. Mol. Struct.*, **1156**, 385-389.
- Handayani, Virsa., Najib, Ahmad., Syarif, R. Amriati., Mahmud, Abdullah., Asha, Nur., Ahmad, A. Roskiana., 2019, Standarization of Purified Extract Mahoni Seed and Antioxidant Activity, *International Journal of PharmTech Research*, **12**(2), 96-102.
- Harborne, J.B., 1986, Nature, Distribution and Function of Plant Flavonoids, dalam Cody, V., Middleton, E., Harborne, J.B., Alan, R., (Eds.), *Plant Flavonoids in Biology and Medicine*, Liss, New York.
- Harborne, J.B., Baxter, H. & Moss, G.P., 1999, *Phytochemical Dictionary: Handbook of Bioactive Compounds From Plants*, 2nd Ed, Taylor and Francis, London.
- Hartati., Salleh, Liza Md., Azis, Azila Abd., Yunos, Mohd Azizi che., 2013, Pengaruh Jenis Pelarut Ekstraksi Biji Mahoni (*Swietenia macrophylla* Jacq.) Terhadap Aktivitas Antioksidan Dan Antibakteri, *Jurnal Bionature*, **14**(1), 11-15.

- Hernani & Rahardjo, M., 2005, *Tanaman Berkhasiat Antioksidan*, Penebar Swadaya, Jakarta.
- Hidayat, S., 2000, Prospek Pepaya Gunung *Carica pubescens* Lenne & K. Koch dari Sikunang Pegunungan Dieng, Wonosobo, *Prosiding Seminar Hari Cinta Puspa dan Satwa Nasional*, Bogor.
- Hidayat, S., 2001, Prospek Pepaya Gunung (*Carica pubescens*) dari Sikunang, Pegunungan Dieng, Wonosobo. Prosiding Seminar Sehari: Menggali Potensi dan Meningkatkan Prospek Tanaman Hortikultura Menuju Ketahanan Pangan, *Pusat Konservasi Tumbuhan Kebun Raya Bogor-LIPI*, Bogor.
- Hossain, M.S., Urbi, Z., Sule, A., dan Rahman, K.M.H., 2014, *Andrographis paniculata* (Burm. f.) Wall. ex Nees: A Review of Ethnobotany, Phytochemistry, and Pharmacology, *The Scientific World Journal*, 1–28.
- Huang, D., Ou, B., dan Prior, R. L., 2005, The Chemistry Behind Antioxidant Capacity Assays, *J. Agric. Food Chem.*, **53**, 1841-1856.
- Husin, F., Ya'akob, H., Rashid, S. N. A., Shahar, S., & Soib, H. H., 2019, Cytotoxicity study and antioxidant activity of crude extracts and SPE fractions from *Carica papaya* leaves, *Biocatalysis and Agricultural Biotechnology*, 101130.
- Ibrahim, M.J., Wan-Nor, I.W.M.Z., Narimah, A.H.H., Nurul, A.Z., Siti, N.S.S.A.R. & Froemming, G.A., 2010, Anti-proliferative and Antioxidant Effects of *Tinospora crispa* (Bratawali), *Biomed. Res.*, **22** (1), 57-62.
- Indranila., Ulfah, Maria., 2015, Uji Aktivitas Antioksidan Ekstrak Etanol Daun Karika (*Carica Pubescens*) Dengan Metode DPPH Beserta Identifikasi Senyawa Alkaloid, Fenol Dan Flavonoid, *Prosiding Seminar Nasional Peluang Herbal Sebagai Alternatif Medicine*, Fakultas Farmasi, Universitas Wahid Hasyim, Semarang.
- Irianti T., Puspasari A., dan Suryani. Ema., 2011, Aktivitas Penangkapan Radikal 2,2-Difenil-pikrilhidrazil (DPPH) Oleh Ekstrak etanolik Batang Brotowali (*Tinospora crispa* (L.) Miers), Dan Fraksi-fraksinya, *Majalah Obat Tradisional*, **16** (3): 139-146.
- Irianti, T., Puspitasari, A., Machwiyyah, L., & Rabbani H.R., 2015, The Activity of Radical Scavenging of 2,2-Diphenyl-1-Pyrcilhydrazil (DPPH) by Ethanolic Extracts of Mengkudu Leaves (*Morinda citrifolia* L.), Brotowali Stem (*Tinospora crispa* L.), its Water Fraction and its Hydrolized Fraction, Faculty of Pharmacy, Gadjah Mada University, Yogyakarta, **20** (3): 140-148.
- Julianti, T., Oufir, M., & Hamburger, M., 2014, Quantification of the Antiplasmodial Alkaloid Carpaine in Papaya (*Carica papaya*) Leaves, *Planta Medica*, **80**(13), 1138–1142.

- Kahkonen, M.P., Hopia, A.I., & Fuorella, H.C., 1999, Antioxidant Activity of Plant Extract Containing Phenolic Compound, *J. Agric. Food Chem*, **47**, 3954-3962.
- Karadag, A., Ozcelikm B. & Saner, S., 2009, Review of Methods to Determine Antioxidant Capacities, *Food Anal. Methods.*, **2**, 41-60.
- Kikuzaki, K. & Nakatani, N., 1993, Antioxidant Effects of Some Ginger Constituents, *J. Food Sci.*, **58** (6), 1407-1410.
- Koleva, I.I., van Beek, T.A., Linssen, J.P.H., de Groot, A., dan Evstatieva, L.N., 2002, Screening of Plant Extracts For Antioxidant Activity: A Comparative Study on Three Testing Methods, *Phytochemical Analysis*, **13**, 8-17.
- Kothari, V., Seshadri, S., 2010, Antioxidant activity of seed extracts of *Annona squamosa* and *Carica papaya*, *Nutrition and Food Science*, **40** (4), 403-408.
- Kristiawan, B., 2011, Budidaya Tanaman Pare Putih (*Momordica charantia* L.) di Aspakusa Makmur UPT Usaha Pertanian Teras Boyolali, Fakultas Pertanian Universitas Sebelas Maret, Surakarta.
- Kubola, J., dan Siriamornpun, S., 2008, Phenolic contents and antioxidant activities of bitter gourd (*Momordica charantia* L.) leaf, stem and fruit fraction extracts *in vitro*, *Food Chemistry*, **110**, 881-890.
- Kumar, RA, Sridevi K, Kumar NV, Nanduri S, Rajagopal S., 2004, Anticancer and immunostimulatory compounds from *Andrographis paniculata*, *Journal Ethanopharmacol*, 92: 291–295.
- Laily, AN., Suranto, Sugiyarto., 2012, Characteristics of *Carica pubescens* of Dieng Plateau, Central Java according to its morphology, antioxidant, and protein pattern, *Nusantara Bioscience*, **4**(1), 16-21.
- Leelaprakash, G., Rose, J. Caroline., BM, Gowtham., 2011, *In Vitro* Antimicrobial and Antioxidant Activity of *Momordica charantia* Leaves, *Pharmacophore*, **2**(4), 244-252.
- Leong, L.P. & Shui, G., 2002, An Investigation of Antioxidant Capacity of Fruits in Singapore Markets, *Food Chemistry*, **76**, 69–75.
- Lopez, M., Martinez, F., Del Valle, C., Orte, C. & Miro, M., 2001, Analysis of Phenolic Constituents of Biological Interest in Red Wines by High-Performance Liquid Chromatography, *J. Chromatogr.*, **922** (1-2), 359–363.
- Machek, K., 1972, Pharmaceutical Application of Thin Layer and Paper Chromatography, 563-565, *Elsevier Publishing Company*, London.
- Maiti, A., Dewanjee, S., Kundu, M., & Mandal, S. C., 2007, Protective effect of methanol extract of *Swietenia macrophylla* seeds on oxidative states

- associated with streptozotocin induced diabetic rats, *Natural Product Sciences*, **13**(4), 295-299.
- Maiti, A., Dewanjee, S., & Mandal, S. C., 2007, In vivo evaluation of antidiarrhoeal activity of the seeds of *Swietenia macrophylla* King (Meliaceae), *Tropical Journal of Pharmaceutical Research*, **6**(2), 711-716.
- Mandal, S., Yadav, S., Yadav, S. & Nema, R.K., 2009, Antioxidants: A review, *Journal of Chemical and Pharmaceutical Research.*, **1**(1): 102-104.
- Marais, J.P.J., Deavours, B., Dixon, R.A. & Ferreira, D., 2006, The Stereochemistry of Flavonoids, dalam Grotewold, E., (Ed.), *The Science of Flavonoids*, Springer, Berlin.
- Markham, K.R., 1988, *Cara Mengidentifikasi Flavonoid*, Penerbit ITB, Bandung.
- Martino, L.D., Mencherini, T., Mancini, E., Aquino, R.P., Almeida, L.F.R.D. & Feo, V.D., 2012, In Vitro Phytotoxicity and Antioxidant Activity of Selected Flavonoids, *Int. J. Mol. Sci.*, **13**, 5406-5419.
- Masella, R., Di Benedeto, R., Vari, R., Filesi, C., dan Giovannini, C., 2005, Novel Mechanism of Natural Antioxidant Compounds in Biological Systems: Involvement of Glutathione and Glutathione-Related Enzymes, *J. Nutr. Biochem.*, **16**, 577-586.
- Maslahat, M., Lusiana, H., Farobie, O., 2012, Isolasi Dan Elusidasi Senyawa Alkaloid Dalam Biji Mahoni (*Swietenia macrophylla* Jacq.), *Jurnal Sains Natural Universitas Nusa Bangsa*, **2**(1), 59-69.
- Mello, V.J., Gomes, M.T., Lemos, F.O., Delfino, J.L., Andrade, S.P., Lopes, M.T., & Salas, C.E., 2008, The gastric ulcer protective and healing role of cysteine proteinases from *Carica candamarcensis*, *Phytomedicine.*, **15**, 237-244.
- Minarno, Eko Budi., 2015, Skrining Fitokimia Dan Kandungan Total Flavanoid Pada Buah *Carica Pubescens* Lenne & K. Koch Di Kawasan Bromo, Cangar, Dan Dataran Tinggi Dieng, *El-Hayah*, **5**, 2.
- Moghadamtousi, S. Zorofchian., Goh, B. Hing., Chan, C. Kei., Shabab, Tara., Kadir, H. Abdul., 2013, Biological Activities and Phytochemicals of *Swietenia marcophylla* King, *Molecules*, **18**, 10465-10483.
- Molyneux, P., 2004, The Use of The Stable Free Radical Diphenyl Picrilhidrazyl (DPPH) for Estimating Antioxidant Activity, *J. Sci. Technol.*, **26**:211-219.
- Moya-Leon, M.A., Mario Moya., Raul Herrera., 2004, Ripening of Mountain Papaya (*Vasconcellea pubescens*) and Ethylene Dependence of Some Ripening Events, *Postharvest Biology and Technology*, **34**, 211-218.
- Mu'awwanah, Annis., Ulfah, Maria., 2015, Uji Aktivitas Antioksidan Fraksi n-heksan Ekstrak Etanol Daun Karika (*Carica pubescens*) Dan Identifikasi Senyawa Alkaloid dan Flavonoidnya, *Prosiding Seminar Nasional*

Peluang Herbal Sebagai Alternatif Medicine, Fakultas Farmasi, Universitas Wahid Hasyim, Semarang.

- Munoz, V., Sauvain, M., Bourdy, G., Callapa, J., Rojas, I., Vargas, L., Deharo, E., 2000, The search for natural bioactive compounds through a multidisciplinary approach in Bolivia. Part II. Antimalarial activity of some plants used by Mosetene Indians, *Journal of Ethnopharmacology*, **69** (2), 139–155.
- Mursiti, S., 2009, Isolasi, karakterisasi, dan uji aktivitas hipoglikemik senyawa dalam biji mahoni bebas minyak dan minyak biji mahoni (*Swietenia macrophylla* King), Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Semarang.
- Mutiara, E. Verdia., dan Wildan, Achmad., 2014, Ekstraksi Flavonoid Dari Daun Pare (*Momordica charantia*) Berbantu Gelombang Mikro Sebagai Penurun Kadar Glukosa Secara *In Vitro*, *Metana*, **10**(1): 1-11.
- Nadesul, H., 2002, Melawan Wabah Diabetes Dunia Dengan Buah Pare, <http://www.gizi.net/cgibin/berita/fullnews.cgi?newssid1025597117,76900>, Diakses pada tanggal 25 Juni 2020.
- Nantitanon, W., Yotsawimonwat, S., & Okonogi, S., 2010, Factors influencing antioxidant activities and total phenolic content of guava leaf extract, *LWT–Food Science and Technology*, **43** (7), 1095–1103.
- [Nguyen, T.T., Parat, M.O., Hodson, M.P., Pan, J., Shaw, P.N., Hewavitharana, A.K., 2015, Chemical characterization and in vitro cytotoxicity on squamous cell carcinoma cells of Carica papaya L. leaf extracts, *Toxins*, **8**\(1\), 7.](#)
- [Novalina, Dhiah., 2013, Aktivitas Antibakteri Ekstrak *Carica pubescens* Dari Dataran Tinggi Dieng Terhadap Bakteri Penyebab Diare, *Tesis*, Fakultas Pascasarjana Universitas Sebelas Maret, Surakarta.](#)
- [Nugroho, A.E., M. Andrie, N.K. Warditiani, E. Siswanto., Pramono, S., Lukitaningsih, E., 2012, Antidiabetic and Antihiperlipidemic Effect of *Andrographis paniculata* \(Burm. f.\) Nees and Andrographolide in High-fructose-fat-fed Rats, *Indian Journal Pharmacol*, **44** \(3\): 377-381.](#)
- [Okabe H, Miyahara Y, Yamauchi T, Miyahara K, Kawasaki T., 1980, Studies on the Constituents of *Momordica charantia* L. Isolation and Characterization of Momordicoside A and B, Glycosides of a Pentahydroxy Cucurbitane Triterpen, *Chem. Pharm. Bull*, **28**: 2753.](#)
- [Okhuarobo, A., Ehizogie Falodun, J., Erharuyi, O., Imieje, V., Falodun, A., Langer, P., 2014, Harnessing the medicinal properties of *Andrographis paniculata* for diseases and beyond: a review of its phytochemistry and pharmacology, *Asian Pac. J. Trop. Dis*, **4**, 213–222.](#)
- Prakash, A., 2001, Antioxidant Activity, *Medallion Laboratories-Analytical Progress*, **19** (2), 1-4.

- Pramono S., Ngatijan, Sudarsono S. Budiono, Pujoarianto A., 1988, Obat Tradisional Indonesia I, *Pusat Penelitian Obat Tradisional UGM*, Yogyakarta, h. 18.
- Pramono, Suwijjiyo., 2015, Diktat Kuliah Galenika, Fakultas Farmasi Universitas Gadjah Mada, Agustus 2019.
- Puspitasari, L., Rijai, Laode., Herman., 2018, Identifikasi Golongan Metabolit Sekunder dan Aktivitas Antioksidan Eksstrak Daun Brotowali (*Tinospora tuberculata* Beumee), *Sainstech Farma*, **11** (1).
- Raaman, N., 2015, Thin Layer Chromatographic Analysis and Antioxidant Activities of Methanol Extract of Leaves of *Carica papaya* L., *International Journal Of Advances In Pharmacy, Biology And Chemistry*, **4**(2).
- Rachmani, E.P. Nur., dan Suhesti, T. Sri., 2016, Aktivitas Antioksidan Ekstrak dan Fraksi Herba Sambiloto (*Andrographis paniculata*), *Media Pharmaceutica Indonesiana*, **1**(2).
- Rachmani, E.P. Nur., Pramono, S., Nugroho, Agung E., 2018, Aktivitas Antioksidan Fraksi Flavonoid Bebas Andrografolid Dari Herba Sambiloto (*Andrographis paniculata*), *Pharmacy Medical Journal*, **1**(2).
- Rahayu, Sofia E., dkk., 2019, Phytochemical Screening, Antioxidant Activity, and Total Phenol Profile of *Carica pubescens* Leaves from Cangar, Batu-East Java, Indonesia, *IOP Conference Series: Earth and Environmental Science*.
- Rais, I.R., 2016, Aktivitas antioksidan ekstrak *Andrographis paniculata*, (Burm.f.) Ness dengan dua perbedaan penguapan, *Pharmaciana*, **6** (1): 95-100.
- Rice Evans CA., Miller NJ., and Paganga G., 1996, Structure-antioxidant activity relationships of flavonoids and phenolic acids, *Free Radic. Biol. Med.*, **21** (3): 417-421.
- Rohmatussolihat, 2009, Antioksidan, Penyelamat Sel-Sel Tubuh Manusia, *BioTrends*, **4**(1), 5-9.
- Rukmana, Rahmat., 2003, *Pepaya Budidaya & Pasca Panen*, Kanisius, Yogyakarta.
- Samsi, A, S., 2000, Analisis Keragaman Genetik Pada Tanaman Mahoni Daun Besar (*Swietenia macrophylla* King) Di Kebun Benih Parung Panjang, Skripsi, Fakultas Kehutanan Institut Pertanian Bogor, Bogor.
- Saranya, P., Geetha, A., Selvamathy, Karthikeyan, S.M., Narmadha., 2010, The antioxidant and H⁺ K⁺ ATPase inhibitory effect of *Andrographis paniculata* and andrographolide-in vitro and in vivo studies, *Pharmacologyonline*, **1**, 356-376.
- Sartori, B. & Swift, L., 2003, Effect of *Tinospora crispa* and Megestrol acetate on Appetite in Mice, *J Biol Res*, **4**.

- Seigler, D. S., Pauli, G. F., Nahrstedt, A., & Leen, R., 2002, Cyanogenic allosides and glucosides from *Passiflora edulis* and *Carica papaya*, *Phytochemistry*, **60**(8), 873–882.
- Shan, Bin., Xie, Jian-Hua., Zhu, Jian-Hua., Peng, Yun., 2012, Ethanol modified supercritical carbon dioxide extraction of flavonoids from *Momordica charantia* L. and its antioxidant activity, *Food and Bioproducts Processing*, **90**, 579-587.
- Shekhar, T.C. & Anju, G., 2014, Antioxidant Activity by DPPH Radical Scavenging Method of *Ageratum Conyzoides* Linn. Leaves, *Am. J. Ethnomed.*, **1**(4): 244-249.
- Shen YC, Chen CF, Chiou WF., 2002, Andrographolide prevents oxygen radical production by human neutrophils: possible mechanism(s) involved in its anti-inflammatory effect, *British J Pharmacology*, **135**: 399-406.
- Simirgiotis. 2009, Identification of Phenolic Compounds from The Fruits of The Mountain Papaya *Vasconcellea pubescens* a. dc. Grown in Chile by Liquid Chromatography–uv Detection–Mass Spectrometry. *Journal Food Chemistry*. **115**, 775–784.
- Soediro, I, Padmawinata, K, Wattimena, J. R., & Rekita, S., 1990, Study of the active antimalarial methanolic extract of *Swietenia macrophylla* King (Meliaceae), *Acta Pharmaceutica Indonesia*, **15**(1), 1-13.
- Stahl, 1985, *Drug Analysis by Chromatography and Microscopy*, diterjemahkan oleh Kosasih Padmawinata, Institut Teknologi Bandung, Bandung.
- Stobiecki, M. & Kachlicki, P., 2006, Isolation and identification of flavonoids, dalam Grotewold, E., (Ed.), *The Science of Flavonoids*, Springer, Berlin.
- Subahar., 2004, *Khasiat dan Manfaat Pare*, Agromedia Pustaka, Jakarta.
- Sudarsono, Pudjoanto, A., Gunawan, D., Wahyuono, S. & Donatus, I.A., 1996, *Tumbuhan Obat*, PPOT UGM, Yogyakarta.
- Suhono, B., 2010, *Ensiklopedia biologi dunia tumbuhan*, PT. Lentera Abadi, Jakarta.
- Sumaryono., 2012, Effect of altitude on the macro-nutrient content of the fruit of *Carica pubescens* Lenne & K. Koch in Dieng Plateau, *Thesis*, Program Studi Biosains Pascasarjana Universitas Sebelas Maret, Surakarta.
- Suwarto., Octavianty, Yuke., 2010, *Budidaya 12 Tanaman Perkebunan Unggulan*, Penebar Swadaya, Jakarta.
- Tan, Seok-Keik., Osman, Hasnah., Wong, Keng-Chong., Boey, Peng-Lim., Ibrahim, Padzilah., 2009, Antimicrobial and Antioxidant Activities of *Swietenia macrophylla* leaf extracts, *Asian Journal of Food and Agro-Industry*, **2**(2), 181-188.
- Tan, S.A., Ramos, S., Martin, M.A, Mateos, R., Harvey, M., Ramanathan, S., 2012, Protective effects of papaya extracts on tertbutyl hydroperoxide

- mediated oxidative injury to human liver cells (an in-vitro study), *Free Rad Antiox*, **2**(3): 10-9.
- Tepe, B., Sokmen, M., Alpukat, H.A., & Sokmen, A., 2006, Screening Antioxidant Potentials of Six *Salvia* Species from Turkey, *Food Chem*, **95**, 200-204.
- Tjay, T.H., Rahardja, K., 2010, Obat-Obat Penting, *Elex Media Komputindo*, Jakarta.
- Turkmen, N., Sari, F., and Velioglu, Y. S., 2006, Effects of Extraction Solvents on Concentration and Antioxidant Activity of Black and Black Mate Tea Polyphenols Determined by Ferrous Tartrate and Folin-Ciocalteu Methods, *Food Chemistry*, **99**: 835-841.
- United States Department of Agriculture, 2015, *Andrographis paniculata* (Burm. f.) Ness., <https://plants.usda.gov/core/profile?symbol=ANPA2>, Diakses pada 15 Juni 2020.
- United States Department of Agriculture, 2015, *Momordica charantia* L., <https://plants.usda.gov/core/profile?symbol=MOCH2>, Diakses pada 15 Juni 2020.
- United States Department of Agriculture, 2015, *Momordica charantia* L., <https://plants.usda.gov/core/profile?symbol=SWMA>, Diakses pada 20 Juni 2020.
- United States Department of Agriculture, 2015, *Carica papaya* L., <https://plants.usda.gov/core/profile?symbol=CAPA23>, Diakses pada 14 Januari 2020.
- United States Department of Agriculture, 2015, *Carica pubescens*, <https://plants.usda.gov/core/profile?symbol=CAPU39>, Diakses pada 01 Juni 2020.
- Van Acker, S.A.B.E., Van-den, B.D.J., Tromp, M.N.J.L., Griffioen, D.H., van Bennekom, W.P., Van der Vijgh, W.J.F. & Bast, A., 1996, Structural Aspects of Antioxidants Activity of Flavonoids, *Free Radical Biol. Med.*, **20**, 331–342.
- Vega-Gálvez, A., Poblete, J., Quispe-Fuentes, I., Uribe, E., Bilbao-Sainz, C., & Pastén, A., 2019, Chemical and bioactive characterization of papaya (*Vasconcellea pubescens*) under different drying technologies: evaluation of antioxidant and antidiabetic potential, *Journal of Food Measurement and Characterization*, **27**.
- Wagner, H., Bladt, S., & Zgainski, E.M., 1996, *Plant Drug Analysis*, 23-26, Springer-Verlag Berlin Hiedelberg, New York.
- Wahyuningrum, R., Wahyono, D., Mustofa, M., dan Prabandari, Y.S., 2017. A Qualitative Study Discovering the Common Medication-Therapy Problems in Patients with Type 2 Diabetes Mellitus (T2DM) in Indonesia, *Asian Journal of Pharmaceutical and Clinical Research*, **10** (7): 246-250.

- Waji, R. A. dan Sugrani, A., 2009, *Flavonoid (Quercetin)*, Laporan Kimia Organik Bahan Alam Program S2 Kimia, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Hasanuddin, Makasar.
- Warisno., 2003, *Budi Daya Pepaya*, Yogyakarta: Penerbit Kanisius.
- World Health Organization, 2018, *Non-communicable Disease*, <https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases>, Diakses pada 17 Januari 2020.
- Wu, Shu-Jing., dan Ng, Lean-Teik., 2008, Antioxidant and free radical scavenging activities of wild bitter melon (*Momordica charantia* Linn. var. *abbreviata* Ser.) in Taiwan, *LWT*, **41**, 323-330.
- Yakoub, A., Abdehedi, O., Jridi, M., Elfalleh, w., Nasri, M., Ferchichi, L., 2018, Flavonoid, Phenols, Antioxidant, and Antimicrobial Activities in Various Extracts from Tossa Jute Leave (*Corchorus olitorius* L.), *Ind. Crop Prod.*, 206-213.
- Yanez, J. A., Remsberg, C. M., Miranda, N. D., Vega-Villa, K. R., k, Preston, 2017, Antimicrobial and Antiinflammatory Activities and Chemical Characterization of the Latex of *Jatropha neopauciflora* Pax, *J. Ethnopharmacol.*, **204**, 1-7.
- Yap, J. Y., Hii, C. L., Ong, S. P., Lim, K. H., Abas, F., & Pin, K. Y., 2020, Effects of Drying on Total Polyphenols Contents and Antioxidant Properties of Carica Papaya Leaves, *Journal of the Science of Food and Agriculture*, **100** (7), 2932-2937.
- Yee, Than Than., Lwin, Kyi War Yi., Myint, Aye Aye., 2019, Study of Phytochemical, Elemental Analysis and Antioxidant Activities on the Leaves of *Carica papaya* L., *IEEESEM*, **7**(8).
- Yuda, I Ketut A., Anthara, M. Suma., Dharmayudha, A.A.G. Oka., 2013, Identifikasi Golongan Senyawa Kimia Estrak Etanol Buah Pare (*Momordica charantia*) dan Pengaruhnya Terhadap Penurunan Kadar Glukosa Darah Tikus Putih Jantan (*Rattus novergicus*) yang Diinduksi Alokasan, *Buletin Veteriner Udayana*, **5** (2).
- Zengin, G., Cakmak, Y. S., Guler, G. O., Aktumsek, A., In Vitro Antioxidant Capacities and Fatty Acid Compositions of Three Centaurea Species Collected from Central Anatolia Region of Turkey, *Food Chem. Toxicol.*, **48** (10), 2638-2641.