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DAFTAR PUSTAKA

Acree. E. T, dan Teranishi. R. 1993. *Flavour Science: Sensible Principle and Techniques.* New York: Professional Reference Book.

Ali. M. A, Chanu. K. V, dan Devi. L. I. 2011. *Antioxidant Capacities of Vegetables Consumed in North East India Assessed by Three Different in Vitro Assays.* International Journal of Research in Pharmaceutical Sciences 2(2): 118 123.

Al-Weshahy. E, El-Nokety. M, Bakhete. M, dan Rao. V. 2013. *Effect of Storage on Antioxidant Activity of Freeze-dried Potato Peels*. Food Chemistry 50: 507-512.

Anonim. 2010. *Enzymatic browning* [online]. [www.food-info.net. (Diakses tanggal 25 April 2015 pukul 13.30 WIB).

Anonim. 2008. *Klasifikasi Botani Petai*. www.pdpersi.co.id. (Diakses 11 tanggal Agustus 2015 pukul 17.25 WIB).

Anonim. 1970. *Official Methods of Analysis of The Associations of Official Analytical Chemist.* Association of Official Analytical Chemist. Washington DC.

Apak. R. K, Güçlü. B, Demirata. M, Özyürek. S. E, Çelik. B, Bektaşoğlu. K. I, Berker, dan Özyurt. D. 2007. *Comparative Evaluation of Various Total Antioxidant Capacity Assay Applied to Phenolic Compounds with The CUPPRAC Assay*. Molecules 12: 1496-1547.

Apriyantono. A, dan Kumara. B. 2004. *Identifikasi Character Impact Odrants Buah Kawista*. Jurnal Teknologi dan Industri Pangan 15(1): 35-46.

Audouin. V, Bonnet. F, Vickers. Z. M, dan Reineccius. G. A. 2001. *Limitation in the Use of Odor Activity Values to Determine Important Odorants in Foods.* In *Gas Chromatography-Olfactometry: The State of the Art*. Leland. V, Scheiberle. P, Buettner. A, dan dan Acree. T.E, Eds: American Chemical Society: Washington, DC, USA: 156–171.

Ayala-Zavala. J. F, Wang. S. Y, Wang. C. Y, Gonzalez-Aguilar. G. A. 2004. *Effect of Storage Temperatures on Antioxidant Capacity and Aroma Compounds in Strawberry Fruit*. Food Science Technology LEB 37: 687–695.

Azizi Mohd. C. Y. Z, Salman. N. A, Nik. N, dan Mohd Omar. A. K. 2008. *Extraction and Identification of Compounds from Parkia speciosa Seeds by Supercritical Carbon Dioxide.* Journal of Chemical and Natural Resources Engineering 2: 153–163.

Aznar. M, Lopez. R, Cacho. J. F, dan Ferreira. V. 2001. *Identification and Quantification of Impact Odorants of Aged Red Wines from Rioja.GC-Olfactometry, Quantitative*

UNIVERSITAS GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

GC-MS, and Odor Evaluation of HPLC Fractions. Food Chemistry 49: 2924-2929.

Badan POM RI. 2013. *Peraturan Kepala Badan POM RI No. 38 Tahun 2013 Tentang Batas Maksimum Penggunaan Bahan Tambahan Pangan Antioksidan*. Jakarta. Badan POM RI: 27-29.

Badarinath. A. V, Rao. K. M, Chetty. C. M. S, Ramkanth. S, Rajan. T. V. S, dan Gnanaprakash. K. 2010. *A review on In-vitro Antioxidant Methods: Comparisons, Correlations and Considerations.* International Journal of Pharmaceutics Technology Research 2 (2): 1276-1285.

Benzei. I. F. F, dan Strain. J. J. 1996. *The Ferric Reducing Ability of Plasma as a Measure of "Antioxidant Power"* The FRAP Assay. Analitycal Biochemitical 239: 70-76.

Block. E. 1992. *Theorganosulfur Chemistry of the Genus Allium–Implications for the Organic Chemistry of Sulphur.* Angewandte ChemieInt Ed in Eng 31(9): 1135-1178.

Bridle. P, dan Timberlake. C. F. 1997. *Food Chemistry* 58 (1). Elsevier.

Buttery. R. G, Haddon. W. F, Seifert. R. M, dan Turnbaugh. J. G. 1984. *Thiamin Odor and Bis (2-methyl-3- furyl)disulfide*. Food Chemistry 32(3): 674-676.

Caillet. S, Salmieri. S, dan Lacroix. M. 2006. *Evaluation of Free Radical-Scavenging Properties of Commercial Grape Phenol Extracts by a Fast Colorimetric Method.* Food Chemistry 95: 1-6.

Chaovanalikit. A, Mingmuang. A, Kitbunluewit. T, Choldumrongkool. N, Sondee. J, dan Chupratum. S. 2012. *Anthocyanin and Total Phenolics Content of Mangosteen and Effect of Processing on the Quality of Mangosteen Products*. International Food Research Journal 19 (3): 1047-1053.

Cheng. L, Xiao. L, Chen. W, Wang. J, Che. F, dan Bin. W. 2012. *Identification of Compounds Characterizing the Aroma of Oblate-Peach Fruit During Storage by GC-MS.* Journal of Stored Products and Postharvest Research 3(5): 54–62.

Ching. L. S, dan Mohamed. S. 2001. *Alpha-Tocopherol Content in 62 Edible Tropical Plants.* Journal of Agricultural and Food Chemistry 49(6): 3101–3105.

Chu. Y. F, Sun. J, Wu. X, dan Liu. R. H. 2002. A*ntioxidant and Antiproliferative Activities of Common Vegetables.* Department of Food Science and Institute of Comparative and Environmental Toxicology. Cornell University. New York.

Cullere. L, Escudero. A, Cacho. J, dan Ferreira. V. 2004. *Gas Chromatography-Olfactometry and Chemical Quantitative Study of the Aroma of Six Premium Quality Spanish Aged Red Wines*. Food Chemistry 52(6):1653–1660.

UNIVERSITAS GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Debonneville. C, Orsier. B, Flament. I, dan Chaintreau. A. 2002. *Improved Hardware and Software for Quick Gas Chromatography: Olfactometry using CHARM and GC-—SNIF analysis*. Anal Chem 74 (10): 2345–2351.

Delahunty. C. M, Eyres. G, dan Dufour. J. P. 2006. *Gas Chromatography Olfactometry*. J. Sep. Sci 29: 2107–2125.

De-Lima. J. P, Fante. C. A, Pires. F. C. R, Nunes. E. E, Alves. R. R, Elias de Siqueira. E. H. H, Nunes. C. A, dan Boas. E. V. 2015. *The Antioxidative Potential and Volatile Constituents of Mangaba Fruit Over the Storage Period*. Journal of Food Science 194: 1-6.

Diaz-Maroto. M. C, Perez-Coello. M. S, dan Cabezudo. M. D. 2002a. *Effect of Drying Method on the Volatil in Bay Leaf* (*Laurus nobilis* L.). J.Agric. Food Chem 50: 4520 - 4524.

Diaz-Maroto. M. C, Perez-Coello. M. S, dan Cabezudo. M. D. 2002b. *Effect of Different Drying Methods on the Volatil Components of Parsley* (*Petroselinum crispum* L.). Eur Food Res Techno 215: 227 - 230.

El-Hadi. M. A. M, Zhang. F. J, Wu. F. F, Zhou. C. H, dan Jun Tao. 2013. *Advances in Fruit Aroma Volatile Research*. Molecules 18: 8200-8229.

Etiévant. P. X. 2002. *Odour Intensity Evaluation in GC-Olfactometry by Finger-Span Method*. In *Analysis of Taste and Aroma*. Jackson, Linskens, H, Eds; Springer-Verlag: Berlin, Germany 21: 223–237.

Fan. W, dan Qian, M. C. 2006. *Identification of Aroma Compounds in Chinese Yanghe Daqu‖ Liquor by Normal Phase Chromatography Fractionation Followed by Gas Chromatography-Olfactometry*. Flavour Fragr. J. 21(2): 333–342.

Ferrari. G, Lablanquie. O, Cantagrel. R, Ledauphin. J, Payot. T, Fournier. N, dan Guichard. E. 2004. *Determination of Key Odorant Compounds in Freshly Distilled Cognac Using GC-O, GC-MS, and Sensory Evaluation*. Food Chemistry 52(18): 5670–5676.

Ferreira. V, Petka. J, dan Aznar. M. 2002. *Aroma Extract Dilution Analysis. Precision and Optimal Experimental Design*. Food Chemistry 50(6): 1508-1514.

Francis. F. J. 1998. *Food Colour*. Di dalam: *Food Analysis*. Suzzana. S (ed.). Aspen publisher.inc. Maryland :599-612.

Fu. S. G, Yoon. Y, dan Bazemore. R. 2002. *Aroma-Active Components in Fermented Bamboo Shoots.* Food Chemistry 50(3): 549–554.

Fukushima. S, Takada. N, Hori. T, dan Wanibuchi. H. 1997. *Cancer Prevention by Organosulfur Compounds from Garlic and Onion.* Journal of Cellular Biochemistry Supplement 27: 100-105.

UNIVERSITAS GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Fur. Y, Mercurio. V, Moio. L, Blanquet. J, dan Meunier. J. M. 2003. *A new Approach to Examine the Relationships Between Sensory and Gas Chromatography–Olfactometry Data Using Generalized Procrustes Analysis Applied to Six French Chardonnay Wines*. Journal of Agricultural and Food Chemistry 51: 443–452.

Gan. C. Y, dan Latiff. A. A. 2011. *Antioxidant Parkia speciosa Pod Powder as Potential Functional Flour in Food Application: Physicochemical Properties Characterization*. Food Hydrocolloids 25: 1174-1180.

Garruti. D. S, Franco. M. R. B, Da Silva, A. M. A. P, Janzantti. N. S, dan Alves. G. L. 2006. *Assessment of Aroma Impact Compounds in a Cashew Apple-Based Alcoholic Beverage by GC-MS and GC-olfactometry*. LWT Food Sci. Technol 39(4): 372–377.

Gary. T. 1999. *Flavour Chemistry of Vegetables.* In: Teranish R, Wick E.L, Hornstein I, editors, Flavour Chemistry Thirty Years of Progress. New York Kluwer Academic Plenum Publishers: 287-304.

Gorecky. T, Xiaomei. Y, dan Pawliszyn. J. 1999. *Theory of Analyte Extraction by Selected Porous Polymer SPME Fibres*. The Analyst 124: 643-649.

Goldberg. G, dan British Nutrition Foundation. 2003. *Plants: Diet and Health*: The Report of A British Nutrition Foundation Task Force. Oxford: John Wiley & Sons.

Giardi. M. T, Giuseppina. R, dan Bruno. B. 2011. *Bio-Farms for Nutraceuticals: Functional Food and Safety Control by Biosensors.* New York. Springer.

Gmelin. R, Susilo. R, dan Fenwick. G. R. 1981. *Cyclic Polysulphides from Parkia speciosa*. Phytochemistry 20(11): 2521–2523.

Hall. C. 2001. *Sources of Natural Antioxidant: Oilseed, Nuts, Cereals, Legumes, Animal Products and Microbial Sources.* Dalam Pokorny. J, Yanishlieva. N, dan Gordon. M. (ed.). *Antioxidant in Food Practical Applications*. CRC Press, New York.

Hashem. H. A, Sharaf. A. M, Amira. S. A, dan Ibrahim. G. E. 2014. *Changes in Physico-Chemical Quality and Volatile Compounds of Orange-Carrot Juice Blends During Storage*. Food Science and Technology Faculty of Agriculture. Al-Zahra University.

Halvorsen. B. L. 2002. *A Systematic Screening of Total Antioxidant in Dietary Plants.* Journal Nutrition 132: 461– 471.

Harborne. J. B. 1987. *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan.* Institut Teknologi Bandung, Bandung. (diterjemahkan oleh Kosasih Padmawinata dan Iwang Soediro).

Heath. H. B, dan Reineccius. G. 1986. *Flavor Chemistry and Technology.* An AVI Book. Van Nostrand Reinhold Comp. Publ. New York.

UNIVERSITAS
GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Hertog. M. G. L, Feskens. E. J. M, Hollman. P. C. H., Katan. M. B. dan Kromhout. D. 1993. *Dietary Antioxidant Flavonoids and Risk of Coronary Heart Disease*: The Zutphen Elderly Study. Lancet. 342: 1007-1011.

Hurrell. F. R, Reddy. M. B, Juillerat. M. A, dan Cook. J. D. 2003. *Degdration of Phytic Acid in Cereal Porridges Improves Iron Absorption by Human Subjects.* The American Journal of Clinical Nutrition 77(5): 1213-1219.

Ichikawa. M, Ide. N, dan Ono. K. 2006. *Changes in Organosulfur Compounds in Garlic Cloves During Storage.* Food Chemistry 54: 4849–4854.

Ivonne. M. U. 2013. *Nilai Cerna Protein in Vitro dan Nilai Gizi Daging Ayam yang Diasap dan Disimpan pada Suhu Rendah*. Jurnal Agrosistem 10(1): 37-52.

Jamaluddin. F, Mohamed. S, dan Lajis. M. N. 1994. *Hypoglycaemic effect of Parkia speciosa Seeds due to the Synergistic action of β-sitosterol and Stigmasterol.* Food Chemistry 49(4): 339–345.

Jamaluddin. F, Mohamed. S, dan Lajis. M. N. 1995. *Hypoglycaemic Effect of Stigmast-4-en-3 one, from Parkia speciosa Empty Pods*. Food Chemistry 54 (1): 9–13.

Jennings. W. G, Filsoof. M. 1977. *Comparison of Sample Preparation Techniques for Gas Chromatographic Analyses.* Food Chemistry 25(3): 440-445.

Joseph. J. A, Shukkit-Hale. B, Denisova. N. A, Bielinski. D, Martin. A, McEwen. J. J, dan Bickford. P. C. 1999. *Reversals of Age-Related Declines in Neuronal Signal Transduction, Cognitive and Motor Behavioral Deficits with Blueberry, Spinach or Strawberry Dietary Supplementation.* J. Neurosci 19: 8114-8121.

Julkunen-Tiitto. R. 1985. *Phenolics Constituens in the Leaves of Northern Willows Methods for the Analysis of Certain Phenolics*. Food Chemistry 33: 213-217.

Kamisah. Y. F, Othman. M. S, Qodriyah. K, dan Jaarin. 2013. *Parkia speciosa* Hassk*: A Potential Phytomedicine.* Hindawi 10: 1-9.

Ketaren, S. 2005. *Pengantar Teknologi Minyak dan Lemak Pangan*. UI-Press. Jakarta.

Kevers. C, Falkowski. M, Tabart. J, Defraigne. J. O, Dommes. J, dan Pincemail. J. 2007. *Evolution of Antioxidant Capacity During Storage of Selected Fruits and Vegetables*. Journal of Agricultural and Food Chemistry, 55(21), 8596−8603.

Kim. D, Jeong. S. W, dan Lee. C. Y. 2003. *Antioxidant Capacity of Phenolic Phytochemicals from Various Cultivars of Plums*. Food Chemistry 81: 321-326.

Klimezak. I, Malecka. M, Szlachta. M, dan Gliszczynska-Swiglo. A. 2007. *Effect of Storage on the Content of Polyphenols, Vitamin C and the Antioxidant Activity of Orange Juices.* Journal Food Compos 20: 313–322.

UNIVERSITAS
GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Kobayashi. H, Wang. C, dan Pomper. K. W. 2008. *Phenolic Content and Antioxidant Capacity of Pawpaw Fruit (Asimina triloba L.) at Different Ripening Stages*. Hort Science 43(1):268–270.

Koswara. S. 2009. *Pengolahan Pangan dengan Suhu Rendah.* Ebookpangan.com.

Ladaniya. M. S. 2008. *Citrus Fruit: Biology, Technology, and Evaluation.* Academic Press. California.

Larson. R. A. 1988. *The Antioxidants of Hinghest Plants*. Phytochemistry 27: 969-977.

Lasekan. O, dan Azeez. S. 2014. *Chemo-preventive Activities of Common Vegetables' Volatile Organic Compounds (VOCs).* Journal Pharmaceutica 5(7): 1-8.

Maisuthisakul. P, Pasuk. S, dan Ritthiruangdej. P. 2008. *Relationship Between Antioxidant Properties and Chemical Composition of Some Thai Plant.* Journal of Food Composition and Analysis 21(3): 229–240.

Marsili. R. 1997. *Techniques for Analyzing Food Aroma*. CRC Press.

Mathew. A. G. 1993. *Chemical Constituent of Pepper*. International Pepper Community. Bulletin 16(2): 18-22.

Matthaus. B. 2002. *Antioxidant Activity of Extracts Obtained from Residues of Different Oilseeds*. Food Chemistry 50: 3444-3452.

Misnawi, dan Tunjung-Sari. A. B. 2011. *Use of Gas Chromatography-olfactometry in Combination with Solid Phase Micro Extraction for Cocoa Liquor Aroma Analysis*. J Int Food Rest 18: 829-135.

Moodley. M, Dunsmore. A, dan De Jager. L. 1999. *Evaluation of the Hunterlab Colour Measuring.* Proc S Afr Sug Teclznol Ass :73.

Molyneux. P. 2004. *The Use of The Stable Free Radical Diphenylpicryl-hydrazil (DPPH) for Estimating Antioxidant Activity.* Songklanakarin Journal Science Technology 26 (2): 211-219.

Muchtadi. T. R. 1989. *Teknologi Pengolahan Pangan*. Departemen Pendidikan dan Kebudayaan. Direktorat Jenderal Pendidikan Tinggi. Bogor. Pusat Antar Universitas Pangan dan Gizi. Institut Pertanian Bogor.

Muchtadi. D. 2013. *Antioksidan dan Kiat Sehat di Usia Produktif*. Alfabeta. Bandung.

Muhammed. A. A, Abas. F, Mohammed. A. S, dan Gazali. M. H. S. 2013. *Anti-and Pro-Lipase Activity of Selected Medicinal, Herbal and Aquatic Plants, and Structure Elucidation of an Anti-Lapase Compound*. Molecules 18: 14651-14669.

UNIVERSITAS
GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Nakiboglu. M, Urek. R. O, Kayali. H. A, dan Tarhan. 2007. *Antioxidant Capacities Of Endemic Sideritis Sipylea And Origanum Sipyleum From Turkey*. Food Chemistry 104: 630-635.

Ness. A. R, dan Powles. J. W. 1997. *Fruit and Vegetables and Cardiovascular Disease*: A review. Int. J. Epidemiol 26: 1-13.

Nurhayati. T, Aryanti. D, dan Nurjanah. 2007. *Kajian Awal Potensi Ekstrak Spons Sebagai Antioksidan*. Jurnal Kelautan Nasional, 2:43-51.

Ozlem. T. 2008. *Fruit and Cereal Bioactives: Sources Chemistry, and Applications*. CRC Press. Boca Raton.

Pantastico. E. B. 1986. *Fisiologi Pasca Panen, Penangangan dan Pemamfaatan Buah-Buahan dan Sayur-Sayuran Tropika dan Subtropika*. Terjemahan. UGM Press. Yogyakarta.

Pantastico. E. B. 1989. *Postharvest Physiology, Handling and Utilization of Tropical and Subtropical Fruit and Vegetables.* The Avi Publishing Company Inc. Westport, Connecticut.

Pantastico, ER. B., 1997. *Fisiologi Pasca Panen, Penanganan dan Pemanfaatan Buah-Buahan dan Sayur-Sayuran Tropika dan Subtropika.* Penerjemah Kamariyani. UGM Press. Yogyakarta.

Pietta. P. G. 2000. *Flavonoids as Antioxidants*. J. Nat. Prod. 63(7): 1035–1042.

Piljac-Žegarac. J, dan Dunja Šamec. D. 2011. *Antioxidant Stability of Small Fruits in Postharvest Storage at Room and Refrigerator Temperatures*. Food Research International 44 (2011) 345–350.

Pino. J. A. 2014. *Odour-Active Compounds in Papaya Fruit cv. Red Maradol*. Food Chemistry 146: 120-126.

Plutowska. B, dan Wardencki. W. 2008. *Application of Gas Chromatography Olfactometry (GC-O) in Analysis and Quality Assessment of Alcoholic Beverages*—A review. Food Chemistry 107: 449–463.

Pokorny. J. 1971. *Stabilization of Fats by Phenolic Antioxidant Canadion Inet*. Journal Food Technology 4: 68.

Pollien. P, Ott. A, Montigon. F, dan Baumgartner. M. 1997. *Hyphenated Headspace-Gas Chromatography-Sniffing Technique: Screening of Impact Odorants and Quantitative Aromagram Comparisons*. Food Chemistry 45: 2630–2637.

Prattt. D. E. 1992. *Natural Antioxidants from Plant material. In Phenolic Compounds in Food and their Effects on Health (Vol. II). Antioxidants and Cancer Prevention*; Huang. M. T, Ho. C. T, dan Lee. C., Eds. ACS Symposium Series 507. American Chemical Society. Washington DC.

UNIVERSITAS GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Pujimulyani. D, Sri. R, Marsono. Y, dan Santoso. U. 2010. *Aktivitas Antioksidan dan Kadar Senyawa Fenolik Pada Kunir Putih* (Curcuma mangga Val.) *Segar dan Setelah Blanching.* Jurnal Agritech 30: 68-74.

Qiao. Y, Xie. B. J, Zhang. Y, Fan. G, Yao. X. L, dan Pan. S. Y. 2008. *Characterization of Aroma Active Compounds in Fruit Juice and Peel Oil of Jinchen Sweet Orange Fruit* (*Citrus sinensis* (L.) Osbeck) *by GC-MS and GC-O.* Molecules 13: 1333-1344.

Rachmawati. R, Deviani. M. R, dan Suriani, N. 2009. *Pengaruh Suhu dan Lama Penyimpanan Terhadap Kandungan Vitamin C Pada Cabai Rawit Putih* (*Capsicum frustescens*). Jurnal Biologi 13(2): 36−40.

Rice-Evans. C. A, Miller. N. J, dan Paganga. G. 1997. *Antioxidant Properties of Phenolic Compounds*. Trend in Plant Science 2: 152-159.

Redha. A. 2010. *Flavonoid: Struktur, Sifat Antioksidatif dan Peranannya Dalam Sistem Biologis.* Jurnal Belian 9 (2): 196-202.

Reineccius. G. 1994. *Source Book of Flavor (2nd Ed.).* Chapman and Hall. New York.

Reineccius. G, dan Henry. B. H. 2006. *Flavor Chemistry and Technology*. CRC Press.

Robert. J. M. 2011. *The Significance of Volatile Sulfur Compounds in Food Flavors*. Departement of Food Science and Technology. Oregon State University.

Robinson. J. W, Frame. E. M. S, dan Frame. G. M. 2005. *Undergraduate Instrumental Analysis Sixth Edition*. CRC Press.

Ruth. S. M. 2001. *Methods for Gas Chromatography-Olfactometry:* A review. Biomol. Eng. 17 :121-128.

Ruth. S. M, dan O'Connor. C. H. 2004. *Evaluation of Two Chromatography-Olfactometry Methods: The Detection Frequency and Perceived Intensity Method.* J. Chromatogr. A 1054: 33-37.

Sakakibara. H, Honda. Y, Nakagawa. S, Ashida. H, dan Kanazawa. K. 2003. *Simultaneous Determination of All Polyphenols in Vegetables, Fruits, and Teas*. Food Chemistry. 51: 571-581.

Salman. Z, Azizi. M. C. Y, Nik-Norulaini. N. A, dan Omar. M. A. K. 2006. *Gas Chromatography/time-of-flight Mass Spectrometry for Identification of Compounds from Parkia speciosa Beans Extracted by Supercritical Carbon Dioxide.* Proceeding of the 1st International Conference on Natural Resources Engineering & Technology Putrjaya Malaysia: 112-120.

UNIVERSITAS
GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Santas. J, Carbo. R, Gordon. M, dan Almajano. M. 2008. *Comparison of the Antioxidant Activity of Two Spanish Onion Varieties*. Food Chemistry 107: 1210–1216.

Santoso. U. 2016. *Antioksidan Pangan*. UGM Press. Yogyakarta.

Schwartz. S. J, Von-Elbe. J. H, dan Giusti. M. 2008. *Colorants*. In: Damodaran. S, Parkin. K. L, Fennema. O. R. (Eds.) Fennema's Food Chemistry. 4th ed. CRC Press, Boca Raton, FL: 571–638.

Self . R. 2005. *Extraction of Organic Analytes from Foods*. Great Britain. Royal Society of Chemistry.

Sentandreu. E, Navarro. J. L, dan Sendra. J. M. 2007. *Effect of Technological Processes and Storage on Flavonoids Content and Total, Cumulative Fast-kinetics and Cumulative Slow-kinetics Antiradical Activities of Citrus Juices*. Eur Food Res Technol 225:905–912.

Sembiring. B. S, dan Tatang. H. 2012. *Quality Changes of Dehydrated Green Pepper During Storage in Three Packaging Types and Temperature Levels.* Jurnal Littri 18(3): 115 -124.

Shahidi, F. dan Naczk, M., 1995. *Food Phenolics*. Technomicpub. Co. Inc. Lancester-Basel.

Shirey. R. E. 1999. *SPME Fibers and Selection for Specific Applications.* Di dalam: Wercinski. S. A. S. 1999. *Solid Phase Microextraction:* A Practical Guide. CRC Press.

Shirey. R. E, dan Sidisky. L. M. 1999. *Analysis of Flavors and Off-Flavors in Food and Beverages Using SPME*. USA. Supelco.

Silva. F. A. M, Borges. F, Guimarães. C, Lima. J. L. F. C, Matos. C, dan Reis. S. 2000. *Phenolics Acid and Derivatives: Studies on the Relationship Among Structure, Radical Scavenging Activity and Physiochemical Parameters*. Food Chemistry. 48: 2122-2126.

Shirey. R. E, dan Mindrup. R. F. 1999. *A Systematic Approach for Selecting the Appropriate SPME Fiber*. USA. Supelco.

Singleton. V. L, dan Rossi. J. A. 1965. *Colorimetry of Total Phenolics with Phosphomolybdic–phosphotungstic Acid Reagents.* American Journal of Enology and Viticulture 16: 144–158.

Soesarsono. W. 1981. *Penyimpanan Buah-buahan, Sayuran dan Bunga-bungaan*. Fateta IPB. Bogor.

UNIVERSITAS
GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Stadelman. W. J, dan Cotterill. O. J. 1995. *Egg Scienceand Technology*. 2nd Edition. Avi Publishing Company Westpost.

Su. Y. L, Leung. L. K, Bi. Y. R, Huang. Y, dan Chen. Z. Y. 2000. *Antioxidant Activity of Flavonoids Isolated from Scutellaria rehderiana*. J. Am. Oil Chem. Soc. 77: 807 811.

Supelco. 1999. *How to Choose the Proper SPME Fiber*. SPME Newsletter Winter 1999/2000.

Surh. Y. J. 2003. *Cancer Chemopreventive with Diertary Phytochemicals*. Nat. Rev. Cancer 3: 768-780.

Tian. L. L, dan White. P. J. 1994. *Antioxidant Activity of Oat Extract in Soybean and Cotton Seed oils.* J. Am. Oil Chem. Soc. 71: 1079-1086.

Tognolini. M, Ballabeni. V, Bertoni. S, Bruni. R, dan Impicciatore. M. 2007. *Protective Effect of Foeniculumvulgare Essential Oil and Anethole in an Experimental Model of Thrombosis.* Pharmacol Res 56: 254-260.

Trenggono, dan Sutardi. 1989. *Biokimia dan Teknologi Pasca Panen.* Pusat Antar Universitas Pangan dan Gizi UGM.Yogyakarta.

Trenggono, Noor. Z, Wibowo. D, Gardjito. M, dan Astuti. M. 1990. *Kimia, Nutrisi Pangan*. Pusat Antar Universitas Pangan dan Gizi UGM. Yogyakarta.

Trenggono. 1990. *Komposisi dan Perubahan Kimia Pasca-Panen*. Pusat Antar Universitas Pangan dan Gizi UGM. Yogyakarta.

Trenggono. 1992. *Fisiologi Lepas Pasca Panen*. Fakultas Teknologi Pertanian UGM. Yogyakarta.

Tressl. R, Haffner. T, Lange. H, Nordsiek. A. 1996. *Formation of γ- and δ-Lactones by Different Biochemical Pathways.* In: Flavour Science – recent developments (Eds.: Taylor. A. J dan Mottram. D. S): 141.The Royal Society of Chemistry. Cambridge.

Tyopponen. J. T, dan Hakkarainen. R. V. J. 1985. *Thermal Stability of Vitamin E in Barley*. Acta Agriculturae Scandinavica 35(2): 136–138.

Vas. G, dan Vekey. K. 2004. *Solid-phase Microextraction: A Powerful Sample Preparation Tool Prior to Mass Spectrometric Analysis*. Journal of Mass Spectrometry 39: 233–254.

Villberg. K, Veijanen. A, Gustafsson. I, dan WickstrÖm. K. 1997. *Analysis of Odor and Taste Problems in High-Density Polyethene*. J. Chromatogr.791: 213–219..

UNIVERSITAS GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Wargovich. M. J. 1987. *Diallyl Sulfide, a Flavor Component of Garlic (Allium sativum), Inhibits Dimethylhydrazine-Induced Colon Cancer*. Carcinogenesis 8: 487-489.

Widaningrum, Miskiyah, dan Somantri. A. S. 2010. *Perubahan Sifat Fisiko-Kimia Biji jagung (Zea mays L.) pada Penyimpanan dengan Perlakuan Karbondioksida (CO_2)*. Jurnal Agritech 30(1): 36-45.

Wilmsen. P. K, Spada. D. S, dan Salvador. M. 2005. *Antioxidant Activity of Flavonoid Hesperidin in Chemical and Biological Systems.* Journal Agriculture and Food Chemistry 53: 4757-4761.

Wills. R. A, Lee. T. H, Graham. D, McGlasson. W. B, dan Hall. E. G. l98l. *Postharvest An Introduction to the Physiology and Handling of Fruit and Vegetables*. New South Wales University Press. Sydney.

Wilson. C. L. 1984. *Comprehensive Analytical Chemistry:* New Approaches for Trace Element Analysis. Elsevier.

Wong. F. C, Chai. T. T, Tan. S. L, dan Yong. A. L. 2013. *Evaluation of Bioactivities and Phenolic Content of Selected Edible Mushrooms in Malaysia*. Tropical Journal of Pharmaceutical Research 12 (6): 1011-1016.

Xiao. H, dan Parkin. K. L. 2002. *Antioxidant Functions of Selected Allium Thiosulfinates and S-alk(en)yl-L-cysteine Sulfoxides*. Food Chemistry 50: 2488-2493.

Xu. B. J, dan Chang. S. K. C. 2007. *A Comparative Study on Phenolic Profiles and Antioxidant Activities of Legumes Affected by Extraction*. Journal of Food Science. 72: 59-66.

Yanishlieva-Maslarova. N. V. 2001. *Inhibiting Oxidation*. Dalam Pokorny. J, Yanishlieva, N, dan Gordon. M (ed.). *Antioxidant in Food Practical Applications*. CRC Press, New York.

Yilmaztekin. M, Erten. H, dan Cabaroglu. T. 2008. *Production of Isoamyl Acetate from Sugar Beet Molasses by Williopsis saturnus* var. *saturnus*. J. Inst. Brew 114 (1): 34–38.

Yuswantina. R. 2009. *Uji Aktivitas Penangkap Radikal Dari Ekstrak Petroleum Eter, Etil Asetat Dan Etanol Rhizoma Binahong (Anredera Cordifolia (Tenore) Steen) Dengan Metode DPPH (2,2-Difenil-1 Pikrihidrazil)*. Dalam http://etd.eprints.ums.ac.id/5283/1/K100050315.pdf.

Zebib. B, Beyrouthy, Marc. E. L, Sarfi. C, Merah, dan Othmane. 2015. *Chemical Composition of the Essential Oil of Satureja myrtifolia (Boiss. & Hohen.) from Lebanon*. Journal of essential oil-bearing plants JEOP 18(1)*:* 248-254.

Zheng. X. Q, Li. Q. S, Xiang. L. P, dan Liang. Y. R. 2016. *Recent Advances in Volatiles of Teas*. Molecules. A Review. Tea Research Institute. Universitas Zhejiang.

UNIVERSITAS
GADJAH MADA
PERUBAHAN SIFAT FISIK DAN KIMIA, AKTIVITAS ANTIOKSIDAN, SERTA PROFIL SENYAWA VOLATIL PETAI (Parkia speciosa Hassk) SELAMA PENYIMPANAN PADA SUHU KAMAR DAN SUHU DINGIN
ASIH SUTANTI, Dr.Ir. Supriyadi, M.Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Zuhra. C. F. 2006. *Flavor (Cita Rasa).* Karya Ilmiah. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Sumetra Utara.