



DAFTAR PUSTAKA

- Achouri, A., J. I. Boye dan Y. Zamani. 2006. *Identification of Volatil Compounds in Soymilk Using Solid-Phase Microextraction-Gas Chromatograph*. J. Food Chemistry, 99:759–766.
- Almatsier S. 2004. *Prinsip dasar ilmu gizi*. p.52-76 Gramedia Pustaka Utama: Jakarta
- Amaya D.B dan Kimura M. 2004. *Harvest Plus Handbook for Carotenoid Analysis*. IFPRI and CIAT. p. 21-22: Washington
- AOCS (American Oil Chemists' Society). 2005. *Official Methods and Recommended Practices of The American Oil Chemists' Society*. Illinois: Am Oil Chem Soc Press' Champaign
- Apriyantono, A. Dan Wiratma, E. 1997. *Pengaruh Jenis Gula terhadap Sifat Sensori dan Komposisi Kimia kecap Manis*. Bul Teknologi dan pangan 8:8-14
- Desiana. 2000. *Ekstraksi pigmen karotenoid dari limbah udang Windu*. Skripsi. Bogor: Institut Pertanian Bogor: Bogor
- DITJEN POM. 2000. *Parameter Standar Umum Ekstrak Tumbuhan Obat*. Cetakan Pertama. Departemen Kesehatan RI. Hlm 10-12: Jakarta
- Dutta, D., Chaudhuri, U. R., Chakraborty, R. 2005. *Retention of β -Caroten in Frozen Carrots under Frying Condition of Temperature and Time of Storage*. Jadavpur University, Kolkata-700032 : India
- Edward, Z., Suyuthie, H., Yerizel, E., dan Sulastri, D. 2011. *Pengaruh Pemanasan terhadap Kejenuhan Asam Lemak Minyak Goreng Sawit dan Minyak Goreng Jagung*. Journal of Indonesia Medical Association. Volume 61. Nomor 6.
- El Hadi MA, Zhang FJ, Wu FF, Zhou CH, Tao J. 2013. *Advances in fruit aroma volatile research*. *Molecules*. 18: 8200-8229. doi: 10.3390/molecules18078200
- Elisabeth, J. 1992. *Isolasi Asam Lemak Omega-3 dari Minyak Hasil Limbah Industri Hasil Pengolahan Limbah Ikan Tuna*. Tesis. Program Pasca Sarjana IPB. Bogor.



- Fisher, C. dan T. R. Scott. 1997. *Food Flavours: Biology and Chemistry*. Mc Cormick and Company Inc., Hunt Valley.
- Folch, J., M. Lees, G.H.S. Stanley. 1957. *A Simple Method For The Isolation and Purification Of Total Lipids From Animal Tissues*. The Journal of Biological Chemistry.
- Frerot E., Velluz A, Bagnoud A, Delort E. 2008. *Analysis of The Volatile-Constituents of Cooked Petai Beans (*Parkia speciosa*) using High Resolution GC/ToF-MS*. *Flavour Frag.* 23:434-440
- Gama, J. J. T., Stylos, C.M., 2005, *Major Carotenoid Compositon of Brazilian Valencia Orange Juice: Identifitioncation and Quantification by HPLC*. Departement of Fod and Nutrition. FCF-UNESP. 14801-902. Araraquara/SP: Brazil
- Gross, Jeana. 1987. *Pigments In Fruit*. Academic Press: London.
- Heriyanto dan Limantara, L. 2009. *Produksi karotenoid oleh Khamir *Rhodotorula sp.** Eksplanasi volume 4 Nomor 7. Hal 1-3
- Herlina, N dan H. S. Ginting, 2002. *Lemak dan Minyak*. Fakultas Teknik Jurusan. Teknik Kimia USU: Medan.
- Hubshmann, H. J. 2009. *Handbook of GC/MS Fundamentals and Applications. 2nd Edition*. Wiley-VHC GmbH and Co. KgaA: Weinheim.
- Kataoka, H., H. L. Lord dan J. Pawliszyn. 2000. *Applications of Solid-Phase Microextraction in Food Analysis*. Review: J. Chromatography A, 880:35–62.
- Ketaren, S. 2008 . *Pengantar Teknologi Minyak Dan Lemak Pangan*. Cetakan Pertama. Universitas Indonesia Press: Jakarta.
- Killian, E., Ough, C. S., 1979. *Fermentation Esters-Formation and Retention as Affected by Fermentation Temperature*. American Journal of Enology and Viticulture. 30: 301-305
- Kim, T. H., S. M. Lee, Y. S. Kim, K. H. Kim, S. Oh, H. J. Lee. 2003. *Analytical, Nutritional and Clinical Methods: Aroma Dilution Method Using GC Injector Split Ratio for Volatil Compounds Extracted by Headspace Solid Phase Microextraction*. J. Food Chemistry, 83: 151–158.



- Kinsella, JE., KS. Broughton and J.W. Whelan. 1990. *Dietary Unsaturated Fatty Acids Interaction and Possible Need in Relation to Eicosanoid Synthesis*. J. Nutrition Biochemistry. Vol. 1 March. P 123-139.
- Luckner, M. (1984). *Secondary Metabolism in Microorganisms, Plants, and Animals (2nd Ed)*. Springer-Verlag: Berlin
- Maulana, I. T., Sukraso, dan Damayanti, Sophi. 2014. *Kandungan Asam Lemak dalam Minyak Ikan Indonesia*. J. Jurnal Ilmu dan teknologi Kelautan Tropis. Vol 6, Nomor 1. Hlm 121-130
- Miyazawa, M and Osman, F. 2001. *Headspace constituents of Parkia speciosa seeds*. Department of Applied Chemistry, Faculty of Science and Engineering, Kinki University, Higashiosaka-shi, Osaka: Japan
- Moon, S. Y., M. A. Cliff dan E. C.Y. L. Chan. 2006. *Odour-Active Components of Simulated Beef Xavour Analysed by Solid Phase Microextraction and Gas Chromatography Mass Spectrometry and Olfactometry*. Food Research International, 39: 294–308.
- Mottram DS. 1991. Meat. In: Maarse H, editor. *Volatile compounds in foods and beverages*. Marcel Decker Inc: New York (US)
- Ningrum, A., Minh, N. N., and Schreiner, M. 2015. *Carotenoids and norisoprenoids as Carotenoid Degradation Products in Pandan Leaves (*Pandanus amaryllifolius* Roxb.)*. International Journal of Food Properties, 18:1905-1914
- Panjaitan, R. S., 2008. *Karakteristik Penderita Diabetes Melitus yang Dirawat Inap di RSUD Dr. Achmad Mochtar Bukittinggi Tahun 2006-1007*. Skripsi. Fakultas Kesehatan Masyarakat, Universitas Sumatera Utara: Medan
- Panseri, S., I. Giani, T. Mentasti, F. Bellagamba, F. Caprino dan V.M. Moretti. 2008. *Determination of Flavour Compounds in A Mountain Cheese by Headspace Sorptive Extraction-Thermal Desorption-Capillary Gas Chromatography-Mass Spectrometry*. LWT, 186 (41): 185–192.
- Pradana, R. C., Soetjipto, H., dan Kristianto, A. Ign. 2014. *Komposisi Kimiawi Penyusun Minyak Biji Petai Cina (*Leucaena leucocephala* (Lam.) de Wit) dan pengaruh Lama Waktu Ekstraksi terhadap Sifat Fisiko-Kimiawinya*. Seminar Nasional Kimia dan Pendidikan Kimia VI: Surakarta
- Puspita, C. A. D., Senobroto, Leo, Karwur, F. F. 2014. *Karotenoid sebagai Prekursor Flavor: Mengenal Prekursor Flavor Turunan karotenoid pada*



Berbagai Sumber bahan Alam. Prosiding Seminar Nasional Sains dan Pendidikan Sains IX: Bogor

Rahardjo, S. 2004. *Kerusakan Oksidatif pada Makanan*. Pusat Studi Pangan dan Gizi. Universitas Gadjah Mada: Yogyakarta

Ruiz, J., A. Alonso, S. G. Martinez, M. Valero, P. Blasco dan F. R. Bevia. 2005. *Quantitative Analysis of Flavour Volatils Detects Differences Among Closely Related Traditional Cultivars of Tomato*. J. Science of Food and Agriculture, 85: 54-60.

Rusdiana. 2004. *Metabolisme Asam Lemak*. Skripsi. Program Studi Biokimia Fakultas Kedokteran, Universitas Sumatera Utara: Medan

Ruth, S. M. dan C. H. O'Connor. 2001. *Analytical, Nutritional and Clinical Methods Section: Evaluation of Three Gas Chromatography-Olfactometry Methods: Comparison of Odour Intensity-Concentration Relationships of Eight Volatil Compounds with Sensory Headspace Data*. J. Food Chemistry, 74: 341-347.

Saerens, S. M. G, Delvaux, F, and Delvaux, F.R. 2008. *Parameters affecting Ethyl Ester Production by *Saccharomyces cereviceae* during fermentation*. Appl Environ Microbiol. 2008. Jan;n74 (2): 454

Shakhashiri. 2005. *Acetic Acid & Acetic Anhydride. General Chemistry: Chemical of the week*. www.scifun.org

Simopoulos, A. P. 2002. *Omega-3 Fatty Acids in Wild Plant, Nut and Seed*. Asia Pac J. Clin. Nutr. 11:163-173

Song Y. Jo Ann E M. Julie EB. Howard DS. Simin L. 2005. *Associations of dietary flavonoids with risk of type 2 diabetes, and markers of insulin resistance and sistemic inflammation in women : A prospective study and cross-sectional analysis*. Journal of the american college of nutrition.

Surburg, H., Panten, J. 2006. *Common Fragrance and Flavor Materials : Preparation, Properties and uses*. Wiley-VCH Verlag GmbH & Co. KgaA: Weinheim

Suwandi, U., 1991. *Manfaat Beta-Karoten Bagi Kesehatan: Cermin Dunia Kedokteran Nomor 73*. Hlm 36-40

Threlfall, D. R., Whitehead, I. M., 1998. *Co-ordinated inhibition of squalene synthetase and induction of enzymes of sesquiterpenoid phytoalexin*



biosynthesis cultures of Nicotiana tabacum. *Phytochemistry* 27. 2567-2580,

Thomas, H.W. 1985. *Bailey's Industrial Oil and Fat Product, Volume 3*. Jhon Wiley & Sons: New York

Ullrich, F., dan W. Grosch. 1987. *Identification of The Most Intense Odor Compounds Formed During Autooxidation of Linoleic Acid*. 184 (4): 277-282 *Z Lebensm. Unters, Forsch.*

Vas, G., Vekey, K., 2004. *Solid-Phase Microextraction: A Powerful Sample Preparation Tool Prior to Mass Spectrometric Analysis*. . 39 (3): 233:54. Antwerp University, Universiteitsplein 1, B-2610 Wilrijk: Belgium

Wong KW. 2005. *Clinical efficacy of n-3 fatty acid supplementation in patients with asthma*. *Journal of the American Dietetic Association* 105: 98-105

Zuhra, C.F. 2006. *Cita Rasa (Flavour)*. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Sumatra Utara. Medan.