



## DAFTAR PUSTAKA

- Abdullah, M.H.R.O., Ch'ng, P.E., dan Lim, T.H. 2011. *Some Physical Properties of Parkia speciosa Seeds*. 2011 International Conference on Food Engineering and Biotechnology IPCBEE vol.9 (2011), Singapore.
- Abong, G.O., M.W. Okoth, J.K. Imungi, J.N. Kabira. 2011. *Effect of Slice Thickness and Frying Temperature on Color, Texture, and Sensory Properties of Crisps made from Four Kenyan Potato Cultivars*. American Journal of food Tech, 6 (9): 753–762.
- Adeyeye, E.I. 2010. *Effect of Cooking and Roasting on The Amino Acid Composition of Raw Groundnut (*Arachis hypogaea*) Seeds*. Acta Sci. Pol., Technol. Aliment, 9 (2): 201–216.
- Adnan, M. 1997. *Teknik Kromatografi untuk Analisis Bahan Makanan*. Yogyakarta: Andi Press.
- A. K. Taungbodhitham. 1995. *Thiamin content and activity of anti-thiamin factor in vegetables of southern Thailand*. Food Chemistry. 52 (3): 285–288.
- Alam, N., Rostianti, Muhardi. 2014. *Sifat Fisik-Kimia dan Organoleptik Bawang Goreng Palu Pada Berbagai Frekuensi Pemakaian Minyak Goreng*. Agritech, 34 (4): 390–398.
- Al-Batran, R., Al Bayaty, F., Jamil Al-Obaidi, M.M., Abdulkader, A.M., Hadi, H.A., Ali, H.M., Mahmood, A.A. 2013. *In Vivo Antioxidant and Antiulcer Activity of Parkia speciosa Ethanolic Leaf Extract against Ethanol-Induced Gastric Ulcer in Rats*. PloS ONE, 8 (5): e64751.
- Alireza, S., Tan, C.P., Hamed, M., dan Che Man, Y.B. 2010. *Effect of Frying Process on Fatty Acid Composition and Iodine Value of Selected Vegetable Oils and Their Blends*. International Food Research Jounal, 18: 295–302.
- Ajinugroho, H. 2012. *Identifikasi Senyawa Volatil dan Non-volatile Flavor Cabuk (Bungkil Wijen, Sesamum indicum Terfermentasi)* [Tesis]. Universitas Gadjah Mada. Yogyakarta.
- Almatsier S. 2006. *Prinsip Dasar Ilmu Gizi*. Jakarta: Gramedia Pustaka Utama.
- Amarnath, B. 2004. *A Study on Antioxidant Nature of Petai (*Parkia speciosa*)*. [Thesis]. Department of Chemistry, National University of Singapore.



Ambarita, L., Setyo Hadi, L.N., Limbong. 2013. *Pengaruh Variasi Lama Pengukusan dan Lama Penggorengan Terhadap Mutu Keripik Biji Durian*. J. Rekayasa Pangan dan Pert., Vol.1 No.2.

AOAC. 2005. *Methods of Analysis of The Association of Official Agriculture Chemist*. Washington: Association of Official Agriculture Chemist.

Arias, M.T., E.A. Pontes, M.C. Linares, M.C. Fernandez, dan F.J. Muniz. 2003. *Cooking-freezing-reheating (CFR) of Sardine (Sardina pilchardus) Fillets. Effect of Different Cooking and Reheating Procedures on The Proximate and Fatty Acid Compositions*. Food Chemistry, 83: 349–356.

Arifin, Z. 2008. *Beberapa unsur mineral esensial mikro dalam sistem biologi dan metode analisisnya*. Jurnal Litbang Pertanian. 27 (3): 99–105.

Askar, A., S.K. El-Samahy, dan M.G.A. El-fadeel. 1982. *Organic Acids and Free Amino Acids in Some Egyptian Fruits and Vegetables*. Die Nahrung, 26 (1): K7–K10.

Azizah, A.H., Wee, K.C., Azizah, O., Azizah, M. 2009. *Effect of boiling and stir frying on total phenolics, carotenoids and radical scavenging activity of pumpkin (Cucurbita moschata)*. J. Internasional Food Research. 16: 45–51.

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

Belitz, H.D., W. Grosch, dan P. Schieberle. 2009. *Food Chemistry*. 4th Revised and Extended ed. Springer, Heidelberg.

Beluhan, S. dan A. Ranogajec. 2011. *Chemical composition and non-volatile components of Croatian wild edible mushrooms*. Food Chemistry, 124: 1076–1082.

Bender, A.E. 1978. *Food Processing and Nutrition*. London: Academic Press.

Block, Z. 1964. *Frying* di dalam M. A Joslyn dan J. J. Heid (ed). *Food Process Operation Vol 3*. The AVI Publ. Co., Westport.

Budiyanto, A.K. 2002. *Dasar-dasar Ilmu Gizi*. Malang: Universitas Muhammadiyah Malang.



- Borges, P., B. Goncalves, J.L.S. de Carvalho, P. Correia, dan A.P. Silva. 2008. *Nutritional Quality of Chesnut (Castanea sativa Mill.) Cultivars from Portugal*. Food Chemistry, 106: 976–984.
- Chen, D.W. dan M. Zhang. 2007. *Non-volatile Taste Active Compounds in The Meat of Chinese Mitten Crab (Eriocheir sinensis)*. Food Chemistry, 104: 1200–1205.
- Chikuni, K., Sasaki, K., Emori, T., Iwaki, F., Tani, F., Nakuma, I., Muroya, S., dan Mitsumoto, M. 2002. *Effect of Cooking on The Taste and Flavor-Related Compounds in Pork*. Japanese Journal of Swine, 39: 191–199.
- Ching, L.S. dan S. Mohamed. 2001. *Alpha-tocopherol Content in 62 Edible Tropical Plants*. Journal of Agricultural and Food Chemistry, 49 (6): 3101-3105.
- CoSeteng, M.Y., M.R. McLellen, dan D.L. Downing. 1989. *Influence of Titratable Acidity and pH on Intensity of Sourness of Citric, Malic, Tartaric, Lactic, and Acetic Acids Solutions and on the Overall Acceptability of Imitation Apple Juice*. J. Food Sci and Technol, 22 (1): 46–51.
- Dar, A.H., Harish, K.S., dan Navneet, K. 2014. *Effect of Frying Time and Temperature on the Functional Properties of Carrot Pomace, Pulse Powder and Rice Flour-Based Extrudates*. International Journal of Food Engineering, 10 (1): 139–147.
- Debnath, S., Bhat, K.K., dan Rastogi, N.K. 2003. *Effect of Pre-drying on Kinetics of Moisture Loss and Oil Uptake During Deep-fat Frying of Chickpea flour-based Snack Food*. LWT-Food Technology, 36: 91–98.
- DeMan, J.M. 1997. *Kimia Makanan*. Palmamirata K, penerjemah. Bandung: Penerbit ITB.
- Dermiki, M., Phanphenphon, N., Mottram, D. S., dan Methven, L. 2013. *Contributions of non-volatile and volatile compounds to the umami taste and overall flavour of shiitake mushroom extracts and their application as flavor enhancers in cooked minced meat*. Food Chemistry, 141: 77–83.
- Estiasih, T., dan Ahmadi, Kgs. 2009. *Teknologi Pengolahan Pangan*. Bumi Aksara, Jakarta.
- Fasoyiro, S.B., S.R. Akande, K.A. Arowora, O.O. Sodeko, P.O. Sulaiman, C.O. Olapade, dan C.E. Odidi. 2010. *Physico-chemical and Sensory Properties of Pigeon Pea (*Cajanus cajan*) Flours*. Journal of Food Science, 4 (3): 120–126.



- Fellows, P.J. 1990. *Food Processing Technology: Principle and Practice*. England: Ellis Horwood Limited.
- Fitriana, N., Rumayati, N. Sumartini, A. Jayuska, Syaiful, dan Harliya. 2014. *Formulasi Serbuk Flavour Makanan dari Minyak Atsiri Tanaman Kesum (Polygonum minus Huds.) sebagai Penyedap Makanan*. Jurnal Aplikasi Teknologi Pangan, 3 (1): 12–15.
- Gastol, M. dan I. Domagala-Swiatkiewicz. 2012. *Comparative Study on Mineral Content of Organic and Conventional Apple, Pear, and Black Currant Juices*. Act Sci. Pol., Hortorum Cultus, 11 (3): 3–14.
- Gertz, C. dan Hagan, C.U. 2008. *Optimum Deep Frying*. Germany: Bertrdan Matthäus, Max Rubner-Institut, Münster.
- Ghidurus, M., M. Turtoi, G. Boskou, P. Niculita, dan V. Stan. 2010. *Nutritional and Health Aspects Related to Frying*. Romanian Biotechnology Letters, 15 (6): 5675–5682.
- Giannoccaro, E., Wang, Y.J., dan Chen, P. 2006. *Effects of Solvent, Temperature, Time, Solvent-to-Sample Ratio, Sample Size, and Deffatting on the Extraction of Soluble Sugars in Soybean*. Journal of Food Science, 71 (1): C59–C64.
- Gmelin R., Susilo R., dan Fenwick G.R. 1981. *Cyclic polysulphides from Parkia speciosa*. Phytochemistry, 20(11): 2521–2523.
- Goncalves, B., O. Borges, H.S. Costa, R. Bennett, M. Santos, dan A.P. Silva. 2010. *Metabolite Composition of Chesnut (*Castanea sativa* Mill.) upon Cooking: Proximate Analysis, Fibre, Organic Acids, and Phenolic*. Food Chemistry, 122: 154–160.
- Goncalves, B., O. Borges, H.S. Costa, R. Bennett, M. Santos, dan A.P. Silva. 2011. *Effect of Cooking on Free Amino Acid and Mineral Profile of Sweet Chesnut (*Castanea sativa* Mill.).* Fruits, 67: 201–214.
- Gunstone, F.D. 2004. *Chemistry of Oils and Fats: Sources, Composition, Properties and Uses*. Boca Raton: CRC Press.
- Hadiwiyoto, S., S. Naruki, S. Satyanti, H. Rahayu, dan D. Riptakasari. 1999. *Perubahan Kelarutan Protein, Kandungan Lisin (Available), Metionin, dan Histidin Bandeng Presto Selama Penyimpanan dan Pemasakan Ulang*. Agritech, 19 (2): 78–82.



- Haila, K., J. Kumpulainen, U. Hakkinen, dan R. Tahvonen. 1992. *Sugars and Organic Acids in Berrie and Fruits Consumed in Finland during 1987-1989*. Journal of Food Composition and Analysis, 5: 108–111.
- Hallstrom, B. 1980. *Heat and Mass Transfer in Industrial Cooking* di dalam P. Linko et al (ed) Food Process Engineering vol I. Applied Science Publ. London.
- Hames, D. dan Hooper, N. 2005. *Biochemistry*, 3<sup>th</sup>. New York: Taylor and Francis.
- Harris, R.S. dan Karnas, E. 1989. *Evaluasi Gizi pada Pengolahan Bahan Pangan*. Achmadi S, penerjemah. Bandung: Penerbit ITB.
- Hooge, S.E. 2008. *Impact of Potassium Chloride on Saltiness, Bitterness, and Other Sensory Characteristics in Model Soup System*. [Thesis] Food Science Graduate Program, College of Human Ecology, Kansas State University, Manhattan, Kansas.
- Hui, Y.H. 1996. *Bailey's Industrial Oil and Fat Products*. Fifth edition, Volume 3. A Willey-Interscience Publication. New York: John Willey&Sons.Inc.
- Hutching, J.B. 1999. *Food Color and Appearance, 2nd edition*. Gaithersburg. Aspen Publisher. Inc, Maryland.
- Ikanone, C.E.O. dan Oyekan, P.O. 2014. *Effect of Boiling and Frying on The Total Carbohydrate, Vitamin C, and Mineraal Contents of Irish (*Solanum tuberosum*) and Sweet (*Ipomea batatas*) Potato Tubers*. Nigerian Food Journal, 32 (2): 33–39.
- Isa, I. 2011. *Penetapan Asam Lemak Linoleat dan Linolenat pada Minyak Kedelai Secara Kromatografi Gas*. Saintek Vol.6, No.1.
- Ishiwatari, N., M. Fukuoka, N. Hamada-Sato, dan N. Sakai. 2013. *Decomposition Kinetics of Umami Component During Meat Cooking*. Journal of Engineering, 119: 324–331.
- Ismed. 2016. *Analisis Proksimat Keripik Wortel (*Daucus carota L.*) pada Suhu dan Lama Pengorengan yang Berbeda Menggunakan Mesin Vacuum Frying*. Jurnal Teknologi Pertanian Andalas, 20 (2): 25–32.
- Izzah, A.N., A. Aminah, A. Md Pauzi, Y.H. Lee, W.M. Wan Rozita, dan D. Siti Fatimah. 2012. *Patterns of Fruits and Vegetable Consumption Among Adults of Different Ethnics in Selangor, Malaysia*. International Food Research Journal, 19 (3): 1095–1107.



- Jabben, S., S. Alam, M. Saleem, W. Ahmad, R. Bibi, F.S. Hamid, dan H.U. Shah. 2015. *Withering Timings Affect The Total Free Amino Acids and Mineral Contents of Tea Leaves During Black Tea Manufacturing*. Arabian Journal of Chemistry xxx, xxx–xxx <http://dx.doi.org/10.1016/j.arabjc.2015.03.011>. [25 April 2017].
- Jacoeb, A.M., P. Suptijah, dan W.A. Kristantina. 2015. *Komposisi Asam Lemak, Kolesterol, dan Deskripsi Jaringan Fillet Ikan Kakap Merah Segar dan Goreng*. JPHPI, 18 (1): 98–107.
- Jamaluddin, F. dan Mohamed, S. 1993. *Hypoglycemic Effect of Extracts of Petai Papan (Parkia speciosa Hassk.)*. Pertanika J. Trop. Agric Sci, 16 (3): 161–165.
- Jamaluddin, Suardy, Siswantor, dan S. Laga. 2011. *Pengaruh Suhu dan Tekanan Vakum Terhadap Penguapan Air, Perubahan Volume, dan Rasio Densitas Keripik Buah Selama Penggorengan Vakum*. Jurnal Teknologi Pertanian, 12 (2): 100–108.
- Johanningsmeier, S.D., R.F. McFeeters, dan M. Drake. 2005. *A Hypothesis for the Chemical Basis for Perception of Sour Taste*. Journal of Food Science, 70 (2): R44–R48.
- Kabelova, I., M. Dvorakova, H. Cizkova, P. Dostalek, dan K. Melzoch. 2009. *Determination of Free Amino Acids in Cheeses from The Czech Market*. Czech J. Food Sci., 27 (3): 143–150.
- Kafkas, E., M. Kosar, N. Tureis, dan K.H.C. Baser. 1999. *Analysis of Sugars, Organic Acids, and Vitamin C Contents of Blackberry Genotypes from Turkey*. Food Chemistry: 732–736.
- Kamisah, Y., F. Othman., M.S. Qodriyah., dan K. Jaarin. 2013. *Parkia speciosa Hassk.: A Potential Phytomedicine*. Review Article. Evidence-Based Complementary and Alternative Medicine: 1–9.
- Kapsimali, M. dan Barlow, L.A. 2013. *Developing a Sense of Taste*. Semin Cell Dev Biol, 24 (3): 200–209.
- Kavitha, S. dan V.K. Modi. 2007. *Effect of Water Activity and Temperature on Degradation of 5'-Inosine Monophosphate in a Meat Model System*. LWT, 40: 1280–1286.
- Ketaren, S. 1986. *Minyak dan Lemak Pangan*. Jakarta: UI Press.



- Ko, Huey-Jiun, Lai-Hoe, Ang., dan Lean-Teik, Ng. 2013. *Antioxidant Activities and Polyphenolic Constituents of Bitter Bean Parkia speciosa*. Int. Journal of Food Properties, 17: 1977–1986.
- Krokida, M.K., Oreopoulou, V., Maroulis, Z.B., dan Marinos Kouris, D. 2000. *Water Loss and Oil Uptake as a Function of Frying Time*. Journal of Food Engineering, 44: 39–46.
- \_\_\_\_\_. 2001. *Colour changes during deep fat frying*. J Food Eng, 48: 219–225.
- Kusnandar, F. 2010. *Kimia Pangan Seri 1: Komponen Makro*. Jakarta: Dian Rakyat.
- L. S. Ching dan S. Mohamed. 2001. *Alpha-tocopherol Content in 62 Edible Tropical Plants*. Journal of Agricultural and Food Chemistry, 49 (6): 3101–3105.
- Lawless, H.T., F. Rapacki, J. Horne, dan A. Hayes. *The Taste of Calcium and Magnesium Salts and Anionic Modifications*. Food Quality and Preference, 14: 319–325.
- Lehninger, A.L. 1990. *Dasar-dasar Biokimia*. Maggy Thenawidjaya, penerjemah. Jakarta: Penerbit Erlangga.
- Lemaire, K., Van de Velde, S., Van Dijck, P., dan Thevelein, J.M. 2004. *Glucose and Sucrose Act as Agonist and Mannose as Antagonist Ligands of the G Protein-Coupled Receptor Gpr1 in the Yeast Saccharomyces cerevisiae*. Molecular Cell, 16: 293–299.
- Lewu, M.N., P.O. Adebola, dan A.J. Afolayan. 2010. *Effect of Cooking on The Mineral Contents and Anti-nutritional Factors in Seven Accessions of Colocasia esculenta (L.) Schott Growing in South Africa*. J. Food Compos. Anal., 23: 389–393.
- Li, W., Zhen, G., Yan, Y., Shuai, Z., Yangfy, L., dan Jingsong, Z. 2014. *Non-volatile Taste Components of Several Cultivated Mushrooms*. Food Chemistry, 143: 427–431.
- Linder, M.C. 1992. *Biokimia Nutrisi dan Metabolisme dengan Pemakaian Secara Kimia*. Aminuddin P, penerjemah. Jakarta: UI Press. Terjemahan dari: *Nutrition Biochemistry and Chemistry Metabolism*.
- Lobb, K. 1992. Fatty acid classification and nomenclature. dalam : Chow CK, editor. *Fatty Acids in Foods and Their Health Implications*. New York, Basel, Hongkong: Marcel Dekker, Inc.



- Maisuthisakul, P., S. Pasuk, dan P. Ritthiruangdej. 2008. *Relationship Between Antioxidant Properties and Chemical Composition of Some Thai Plants*. Journal of Food Composition and Analysis, 21 (3): 229–240.
- Marmesat, S., M. Mancha, M.V. Ruiz-Mendez, dan M.C. Dobarganes. 2005. *Performance of Sunflower Oil with High Levels of Oleic and Palmitic Acids During Industrial Frying of Almonds, Peanuts, and Sunflower Seeds*. JAOCs, 82 (7): 505–510.
- Mau, J.L. 2005. *The Umami Taste of Edible and Medicinal Mushrooms*. International Journal of Medicinal Mushrooms, 7 (1&2): 119–125.
- Mellema, M. 2003. *Mechanism and Reduction of Fat Intake in Deep-fat Fried Foods*. Trends in Food Science & Technology, 14: 364–373.
- Mendoza, F., Dejmek, P., dan Aguilera, J.M. 2007. *Colour and Image Texture Analysis Classification of Commercial Potato Chips*. Food Res Int, 40: 1146–1154.
- Miglio, C., E. Chiavaro, A. Visconti, V. Fogliano, dan Nicoletta, P. 2008. *Effects of Different Cooking Methods on Nutritional and Physicochemical Characteristics of Selected Vegetables*. Journal Agricultural and Food Chem, 56: 139–147.
- Miyagi, A. dan Yoshihiro, O. 2014. *Instrumental Evaluation and Influence of Gender and/or Age among Consumers on Textural Preference of Deep-fried Peanuts*. Food Research International, 64: 227–233.
- Mohamed, S., Shamsuddin ABD Md., Rehman, Sulaiman, S., dan Abdullah, F. 1987. *Some Nutritional and Anti-nutritional Components in Jering (*Pithecellobium jeringa*), Kerdas (*Pithecellobium microcarpum*), and Petai (*Parkia speciosa*)*. Pertanika, 10 (1): 61–68.
- Morris, W.L., Shepherd, T., Verral, S.R, McNicol, J.W., dan Taylor, M.A. 2010. *Relationships Between Volatile, Non-Volatile Metabolites, and Attributes of Processed Potato Flavor*. 2010. Phytochemistry, 71:1765–1773.
- Muchtadi, D. 1989. *Evaluasi Nilai Gizi Pangan*. Bogor: Pusat Antar Universitas Pangan dan Gizi, Institut Pertanian Bogor.
- Muchtadi, D., Palupi, N.S., dan Astawan, M. 1993. *Metabolisme Zat Gizi*. Pusat Antar Universitas, IPB. Bogor: Pustaka Sinar Harapan.
- Muchtadi, T.R. dan Ayustaningworo, F. 2010. *Teknologi Proses Pengolahan Pangan*. Bandung: Alfabeta.



- Musa, N., Wei, L.S., Seng, C.T., Wee, W. dan Leong, L.K. 2008. *Potential of Edible Plants as Remedies of Systemic Bacterial Disease Infection in Cultured Fish*. Global Journal of Pharmacology, 2: 31–36.
- Nawel, A., Vitrac, O., dan Trystram, G. 2009. *Heat and Mass Transfer During Frying*. Di dalam: Sahim S dan Sumnu G. *Advances in Deep-Fat Frying of Foods*. London: Taylor dan Francis Group.
- Nawirska-Olszanska, A., A. Biesiada, A. Sokol-Letowska, dan A.Z. Kucharska. *Characteristics of Organic Acids in the Fruit of Different Pumpkin Species*. Food Chemistry, 148: 415–419.
- Neta, E.R., Suzanne, D., Johanningsmeier, dan R.F. McFeeters. 2007. *The Chemistry and Physiology of Sour Taste – A Review*. Journal of Food Science, 72 (2): R33–R38.
- Ngili, Y. 2013. *Biokimia Dasar*. Cetakan Pertama. Bandung: Rekayasa Sains.
- Nourian, F. dan H.S. Ramaswamy. 2003. *Kinetics of Quality Change During Cooking and Frying of Potatoes: Part 1. Texture*. Journal of Food Engineering, 26: 377–394.
- O'Brien, R.D. 2009. *Fat and Oils: Formulating and Processing for Applications*. London: CRC Press.
- Oluwaniyi, O.O., Dosumu, O.O. dan Awolola, G. V. 2010. *Effect of Local Processing Methods (Boiling, Frying, and Roasting) on The Amino Acid Composition of Four Marine Fish Commonly Consumed in Nigeria*. Food Chemistry, 123(10): 1000–1006.
- Omotosho, O.E., O.C. Laditan, O.E. Adedipe, dan J.A.O. Olugbuiro. 2015. *Effect of Deep-fat Frying on the Vitamins, Proximate, and Mineral Contents of Colocasia esculenta Using Various Oils*. Journal of Biological Sciences, 18 (6): 295–299.
- Ozogul, Y., G. Ozyurt, dan E.K. Boga. 2009. *Effects of Cooking ad Reheating Methods on The Fatty Acid Profile of Sea Bream Treated With Rosemary Extract*. J Sci Food Agric, 89: 1481–1489.
- Paul, D.K., R.K. Shaha. 2004. *Nutrients, Vitamin, and Minerals Content in Common Citrus Fruits in the Northern Region of Bangladesh*. Pakistan Journal of Biological Science, 7 (2): 238–242.
- Pei, F., Shi, Y., Gao, X., Wu, F., Mariga, A. M., dan Yang, W. 2014. *Changes in Non-volatile Taste Components of Button Mushroom (*Agaricus bisporus*)*



*During Different Stages of Freeze Drying and Freeze Drying Combined with Microwave Vacuum Drying.* Food Chemistry, 165: 547–554.

Peinado, I., Girón, J., Koutsidis, G., dan Ames, J.M. 2014. *Chemical Composition, Antioxidant Activity and Sensory Evaluation of Five Different Species of Brown Edible Seaweeds.* Food Research International, 66: 36–44.

Piva, A., C.D. Mattia, L. Neri, G. Dimitri, M. Chiarini, dan G. Sacchetti. 2008. *Heat-induced Chemical, Physical, and Functional Changes During Grape Must Cooking.* Food Chemistry, 106: 1057–1065.

Phat, C., B. Moon, dan C.Lee. 2016. *Evaluation of Umami Taste in Mushroom Extracts by Chemical Analysis, Sensory Evaluation, and an Electronic Tongue System.* Food Chemistry, 192: 1068–1077.

Prasetyo, A.D. 2012. *Study of Antioxidant Activity of Parkia speciosa Based on The Different Locations, Processing Methods, and Vitamin C Content.* Thesis. Department of Food Technology, Faculty of Sci. and Tech., UPH.

Pratama, G. 2010. *Pengaruh Penggorengan Terhadap Karakteristik Asam Amino Ikan Buntal Pisang (*Tetraodon lunaris*) dari Perairan Kabupaten Cirebon, Jawa Barat.* Departemen Teknologi Hasil Perairan, Fakultas Perikanan dan Ilmu Kelautan, Institut Pertanian Bogor.

Purnami, S.E., Trijoko, dan R.T. Pratiwi. 2014. *Profil Asam Lemak Gonad Lima Species Landak Laut (*Echinoidea*) dari Pantai Selatan Kabupaten Gunung Kidul Daerah Istimewa Yogyakarta.* Biota, 19 (1): 9–14.

Purwayanti, S., Gardjito, M., Santoso, U., dan Supriyadi. 2013. *Taste Compounds from Crude Extract of Bekkai Lan (*Albertisia papuana* Becc.).* J. Food and Nutrition Science, 1(4): 33–37.

Rahman, N.N, Salman Z, Zaidul I.S., Sahena F, Mohd Azizi, Che Y, dan A.K. Mohd Omar. 2011. *Profile of Parkia speciosa Hassk. Metabolites Extracted with SFE using FTIR- PCA Method.* J. Chin. Chem. Soc, 58 (6): 1–9.

Riberio, B., J. Rangel, P. Valento, P.B. Andrade, J.A. Pereira, H. Bolke, dan R.M. Seabra. 2007. *Organic Acids in Two Portuguese Chesnut (*Castanea sativa* Miller.) Varieties.* Food Chemistry, 100: 504–508.

Rotzoll, N., A. Dunkei, dan T. Hofmann. 2006. *Quantitative Studies, Taste Reconstitution, and Omission Experiments on the Taste Compounds in Morel Mushrooms (*Morchella deliciosa* Fr.).* Journal of Agricultural and Food Chemistry, 54: 2705–2711.



Rodriguez-Sevilla, M.D., M.J. Villanueva-Suarez, dan A. Redondo-Cuenca. 1999. *Effects of Processing Conditions on Soluble Sugars Content of Carrot and Beetroot*. Food Chemistry, 66: 81–85.

Salman Z, C.Y. Mohd Azizi , N.A. Nik Norulaini, dan A.K. Mohd Omar . 2006. *Gas Chromatography Time-of-flight Mass Spectrometry for Identification of Compounds from Parkia speciosa Beans Extracted by Supercritical Carbon Dioxide*. Proceeding of the 1<sup>st</sup> International Conference on Natural Resources Engineering & Technology 2006. 24-25<sup>th</sup> July 2006 Putrajaya Malaysia 112–120.

Sanchez-Mata, M.C., M.M. Camara-Hurtado, dan C. Diez-Marques. 1999. *Effect of Domestic Process and Water Hardness on Soluble Sugars Content of Chickpeas (*Cicer arietinum L.*)*. Food Chemistry, 65: 331–338.

Saputra, K.A., Pontoh, J.S., dan Moumuat, L.I. 2015. *Analisi Kandungan Asam Organik pada Beberapa Sampel Gula Aren*. Jur. MIPA Unstrat Online, 4 (1): 69–74.

Sartika, R.A.Y. 2009. *Pengaruh Suhu dan Lama Proses Menggoreng (Deep Frying) terhadap Pembentukan Asam Lemak trans*. Makara Sains, 13 (1): 23–28.

Senter, S.D. 1994. *Comparison of Total Lipids, Fatty Acids, Sugars, and Non-volatile Organic Acids in Nuts from For Castanea Species*. J.Sci Food Agric, 65: 223–227.

Sha, S., J. Li, J. Wu, dan S. Zhang. 2011. *Characteristics of Organic Acids in the Fruit of Different Pear Species*. African Journal of Agricultural Research, 6 (10): 2403–2410.

Siddiqui, R.A., Harvey, K.A., dan Zaloga, G.P. 2007. *Modulation of Enzymatic Activities by n-3 Polyunsaturated Fatty Acids to Support Cardiovascular Health*. Journal of Nutritional Biochemistry, 19 (7): 417–437.

Simpoulos, A.P. 2002. *Omega-3 Fatty Acids in Inflammation and Autoimmune Disease*. The American Journal of Clinical Nutrition, 21: 495–505.

Siriwardhana, N., N.S. Kalupahana, dan N. Moustaid-Moussa. 2012. *Health Benefits of n-3 Polyunsaturated Fatty Acids: Eicosapentaenoic Acid and Docosahexaenoic Acid*. Food and Nutrition Research, 65: 211–222.

Sousa, A.G.O., D.C. Fernandes, A.M. Alves, J.B. de Freitas, dan M.M.V. Naves. 2011. *Nutritional Quality and Protein Value of Exotic Almonds and Nut from the Brazilian Savanna Compared to Peanut*. Food Research International, 44: 2319–2325.



Sudarmadji, S., H. Bambang, dan Suhardi. 1996. *Analisis Bahan Makanan dan Pertanian*. Liberty dan PAU Universitas Gadjah Mada, Yogyakarta.

Suhardi. 1988. *Kimia dan Teknologi Protein*. Yogyakarta: PAU Pangan dan Gizi Universitas Gadjah Mada.

Suryani, A.A. 2012. *Komposisi Asam Lemak dan Kolesterol Belut Sawah (*Monopterus albus*) Akibat Penggorengan*. Bogor: Fakultas Perikanan dan Ilmu Kelautan, Institut Pertanian Bogor.

Suryaningrum, T.D, Muljanah, I., dan Tahapari, E. 2010. *Profil sensori dan nilai gizi beberapa jenis ikan patin dan hybrid nasutus*. Jurnal Pascapanen dan Bioteknologi Kelautan dan Perikanan, 5 (2): 153–164.

Tangkanakul, P., G. Trakoontivakorn, dan C. Jariyavattanavijit. 2005. *Extracts of Thai Indigenous Vegetables as Rancid Inhibitor in a Model System*. Kasetsart Journal, 39 (2): 274–283.

Theron, M.M. dan J.F. Rykers Lues. 2011. *Organic Acids and Food Preservation*. Boca Raton: CRC Press, Taylor & Francis Group.

Tsai, S.Y., Huang, S.J., Lo, S.H., Wu, T.P., Lian, P.Y., dan Mau, J.L. 2009. *Flavour Components and Antioxidant Properties of Several Cultivated Mushrooms*. Food Chemistry, 113: 578–584.

Tunsaringkarn, T., S. Soogarun, A. Rungsiyothin, dan A. Palasuwon. 2012. *Inhibitory Activity of Heinz Body Induction in Vitro Antioxidant Model and Tannin Concentration of Thai Mimosaceous Plant Extracts*. Journal of Medicinal Plants Research, 6 (24): 4096–4101.

Usenik, V., J. Fabcic, dan F. Stampar. 2008. *Sugar, Organic Acids, Phenolic Composition, and Antioxidant Activity of Sweet Cherry (*Prunus avium* L.)*. Food Chemistry, 107: 185–192.

Urbancic, S., M.H. Kolar, D. Dimitrijevic, L. Demsar, dan R. Vidrih. 2014. *Stabilisatio of Sunflower Oil and Reduction of Acrylamide Formation of Potato with Rosemary Extract during Deep-fat Frying*. LWT – Food Sci and Tech, 57: 671–678.

Vasconcelos, M.C.B.M., F. Nunes, C.G. Viguera, R.N. Bennet, E.A.S. Rosa, dan J.V. Ferreira-Cardoso. 2010. *Industrial Processing Effects on Chestnut Fruit (*Castanea sativa* Mill.) 3. Mineral, Free Sugars, Carotenoids, and Antioxidant Vitamins*. Int. Journal of Food Sci. and Tech., 45: 496–505.



- Veberic, R., J. Jakopic, F. Stampar, dan V. Schmitzer. 2009. *European Elderberry (Sambucus nigra L.) Rich in Sugars, Organic Acids, Anthocyanins, and Selected Polyphenols*. Food Chemistry, 114: 511–515.
- Vicente, A.R., G.A. Manganaris, G.O. Sozzi, dan C.H. Crisosto. 2009. *Nutritional Quality of Fruits and Vegetables*. Postharvest Handling: A System Approach, Second Edition. <http://www.elsevier.com/locate/permissionusematerial>. [09 Juni 2017].
- Vitasari, L., Mappiratu, dan N.K. Sumarni. 2016. *Retensi Asam Eikosapentaenoat (EPA) Tortilla Tepung Ikan Lele Selama Pengolahan dan Penyimpanan Pada Suhu Ruang*. Kovalen, 2 (2): 11–16.
- Wijayanti, R., I.W. Badiastra, dan R. Hasbullah. 2011. *Kajian Rekayasa Proses Penggorengan Hampa dan Kelayakan Usaha Produksi Keripik Pisang*. Jurnal Keteknikan Pertanian, 25 (2): 133–140.
- Winarno, F.G. 1997. *Kimia Pangan dan Gizi*. Cetakan Kesembilan. Jakarta: Gramedia.
- \_\_\_\_\_. 2008. *Kimia Pangan dan Gizi*. Bogor: MBrio Press.
- Wirahadikusumah, M. 2001. *Biokimia (Protein, Enzim, dan Asam Nukleat)*. Cetakan Kelima. Bandung: Penerbit ITB.
- Wang, L., R. Xu, B. Hu, W. Li, Y. Sun, Y. Tu, dan X. Zeng. *Analysis of Free Amino Acids in Chinese Teas and Flower of Tea Plant by High Performance Liquid Chromatography Combined with Solid-Phase Extraction*. Food Chemistry, 123: 1259–1266.
- Wonghirundecha, S. dan Sumpavapol, P. 2012. *Antibacterial Activity of Selected Plant by-products Against Food-borne Pathogenic Bacteria*. Proceedings of the 2012 International Conference on Nutrition and Food Sciences, Singapore, July 23-24: 116–120.
- Yang, J.H., Lin, H.C., dan Mau, J.L. 2001. *Non-volatile Taste Components of Several Commercial Mushrooms*. Food Chemistry, 72: 465–471.
- Yamsaengsung, R. dan Moreira, R.G. 2002. *Modelling The Transport Phenomena and Structural Changes during Deep-fat Frying. Part I: Model Development*. Journal of Food Engineering, 53: 1–10.
- Yuliarti, N. 2009. *A to Z Food Supplement*. Yogyakarta: CV. Andi Offset.