

DAFTAR PUSTAKA

- Abeyasinghe, D.C., Li, X., Chongde, S., Zhang, W., 2007. Bioactive Compounds and Antioxidant Capacities in Different Edible Tissues of Citrus Fruit of Four Species. *Food Chemistry*, 104(4), 1338-1344.
- Ackbarali-Singh., dan Maharaj, R., 2014. Sensory Evaluation as a Tool in Determining Acceptability of Innovative Products Developed by Undergraduate Students in Food Science and Technology at The University of Trinidad and Tobago. *Journal of Curriculum and Teaching*, 3(1), 10-27.
- Adiyoga, D., T. Setyowati., M. Ameriana., dan Nurmalinda., 2009. Perilaku Konsumen terhadap Jeruk Siam di Tiga Kota Besar Di Indonesia. *Jurnal Hortikultura*, 19(1): 112-124.
- Alsayadi, M. Ms., AlJawfl, Y., Belarbi, M., dan Sabri F. Z., 2013. Antioxidant Potency of Water Kefir. *Journal of Microbiology, Biotechnology and Food Sciences*. 2 (6): 2444-2447.
- Amanah, N. A. A. 2017., Determinasi Konsentrasi Glikosida dari Tangkai Daun Daun Pepaya (*Carica Papaya L.*) dan Korelasinya dengan Perubahan pH dan Warna Pada Variasi Waktu dan Suhu Pemanasan. *Skripsi*. Fakultas Peternakan dan Pertanian Universitas Diponegoro.
- Amitava, D., dan Kimberly, K., 2014., Antioxidant Vitamins and Minerals. *Antioxidants in Food, Vitamins and Supplements*, 277-294.
- Anfiteatro, D., dan Schneedorf, J. M., 2004. Kefir, a Probiotic Produced by Encapsulated Microorganism and Inflammation. In:Carvalho JCT. (ed.). *Antiinflammatory phytotherapies (Portuguese)*. *Techmedd*. 443-467.
- Andarwulan, N. D., dan Faradilla, R. F., 2012. Senyawa Fenolik pada Beberapa Sayuran *Indigenous* dari Indonesia. Bogor: *South East Asia Food and Agricultural Science and Technology (SEAFST) Center*, Institut Pertanian Bogor, Bogor.
- Amitava, D., dan Kimberly, K., 2014., Antioxidant Vitamins and Minerals. *Antioxidants in Food, Vitamins and Supplements*, 277-294.
- Anggraeni, A. A., 2008. *Larutan Asam dan Basa*. Bahan Ajar Kimi Dasar Fakultas Teknik Universitas Negeri Yogyakarta.
- AOAC (Association of Official Analytical Chemist). 1995. *Official Methods of Analysis*. Association of Official Agricultural Chemists., 1(voulume 1).
- Apak, R., Guclu, K., Demirata, B., Ozyurek, M., Celik, S.E., Bektasoglu, B., Ozyurt, D., 2007. Comparative Evaluation of Various Total Antioxidan Capacity Assays Applied to Phenolic Compounds with The CUPRAC Assay. *Journal Molecules*, 12(7), 1496-1547.
- Balai Besar Penelitian dan Pengembangan Pascapanen Pertanian., 2009. *Jus Jeruk Siam: Di balik Rasa Pahit Temukan Manfaat yang Menakjubkan*. Warta Penelitian dan Pengembangan Pertanian.

- Bahar, B., 2008. *Kefir Minuman Fermentasi dengan Segudang Khasiat Untuk Kesehatan*. PT. Gramedia Pustaka Utama. Jakarta.
- Britton, G., Jansen, S.L., Pfander, H., 2008. *Carotenoids*. Volume 4. Natural Functions. Basel, Switzerland.
- Dai, J. & Mumper, R.J., 2010, Plant Phenolics: Extraction, Analysis and Their Antioxidant and Anticancer Properties, *Molecules*, 15: 7313-7352.
- Deptan 2012. Kajian Umum Mengenai Tanaman Jeruk. http://ditlin.hortikultura.go.id/jeruk_cvpd/jeruk01.htm. Diakses pada tanggal 27 Desember 2018.
- Di Mascio, P., Kaiser, S., Sies, H., 1989. Lycopene as The Most Efficient Biological Carotenoid Singlet Oxygen Quencher. *Archives of Biochemistry and Biophysics*.
- Dimiyati, A., 2005. *Prospek dan Arah Pengembangan Agribisnis Jeruk*. Badan Penelitian dan Pengembangan Pertanian. Kementrian Pertanian Republik Indonesia. Jakarta.
- Dufresne, C dan Farnworth, E. 2000. Tea, Kombucha, and health: A Review. *Food Research Internasional* 33 hal 409-421. Elsevier.
- Faiqoh, N., 2016. Pengolahan Citra Digital Dalam Pendugaan Derajat Keasaman (pH) dan Berat Buah Jeruk Siam (*Citrus Nobilis* Lour Var. *Microcarpa Hassk*) Berdasarkan Variasi Umur petik. *Skripsi*. Fakultas Teknologi Pertanian Universitas Jember.
- Fardiaz, S. 1992. *Mikrobiologi Pangan 1*. Jakarta: PT. Gramedia Pustaka Utama.
- Fessenden, R. J. dan Fessenden, J. S. 1992. *Kimia Organik, Edisi Ketiga, a.b. Pudjatmaka H*. Gramedia. Jakarta.
- Ghafar, A.F.M., Prasad, N.K., Weng, K.K., dan Ismail, A., 2010. Flavonoid, hesperidine, total phenolic contents and antioxidant activities from Citrus species. *African Journal of Biotechnology* Vol. 9(3), pp. 326-330.
- Gulitz, A., Stadie, J., Wenning, M., Ehrmann, M. A., dan Vogel, R. F., 2011. The Microbial diversity of water kefir. *International Journal of Food Microbiology*, 151(3), 284-288.
- Guzel-Seydim, Z. B., Kok-Tas, T., Greene, A. K., dan Seydim, A. C., 2011. Review: Functional properties of kefir. *Critical Reviews in Food Science and Nutrition*, 51(3), 261-268.
- Harrison, P.J dan Bugg, T. D., 2014. Enzymology of the carotenoid cleavage Dioxygenases: Reaction mechanisms, inhibition and biochemical roles. *Archives of Biochemistry and Biophysics*, (544), 105-111.
- Harbone, J., 1987. *Metode fitokimia: Penentuan Cara Modern Menganalisis Tumbuhan*. Institut Teknologi Bandung. Bandung.
- Hasimi., Roedhy., dan Ketty., 2016. Degreening Buah Jeruk Siam (*Citrus Nobilis*) Pada Beberapa Konsentrasi dan Durasi Pemaparan Etilen. *Journal Hortikultura Indonesia* 7(2): 111-120.

- Holt, et al. (1994). *Bergey's Manual of Determinative Bacteriology 9th Edition*. Williams and Wilkins Baltimore. USA.
- Ho, C., Lee, C.Y., Huang, M.T. (1992) : Phenolic Compound in Food and Their Effects on Health I : Analysis, Occurrence, and Chemistry, ACS Symposium Series, *American Chemical Society Washington, DC*.
- Hutchings, John. B. 1999. *Food Color and Appearance Second Edition*. Aspen Publishers, Inc. Maryland.
- International Organization for Standardization 29842., 2011. *Sensory Analysis Methodology-Balanced Incomplete Block Design*. First Edition. ISO Copyright Office. Switzerland.
- Jhonprimen., Turnip, A., dan Dahlan, H.M., 2012. Pengaruh Massa Ragi dan Waktu Fermentasi Terhadap Bioetanol dari Biji Durian. *Jurnal Teknik Kimia* USU, 18 No.2(4), 43-51.
- Jung, J., Cavender, G., dan Zhao, Y., 2015. Impingement Drying for Preparing Dried Apple Pomace Flour and it's Fortification in Bakery and Meat Products. *Journal of Food Science and Technology*, 52(9), 5568-5578.
- Juanda D, Budiana W, Ridwan IM. 2011. Penetapan kadar total fenol dan aktivitas antioksidan dari jus buah lima spesies jeruk (*Citrus* sp.). *Jurnal Farmasi Galenika*. 2(1):36-42.
- Kementrian Pertanian., 2016. *Outlook Komoditas Pertanian Sub Sektor Holtikultura Jeruk*. Pusat Data dan Sistem Informasi Pertanian Kementrian Pertanian.
- Koleva, I.I., Van Beek, T.A., Linssen, J.P.H., De Groot, A., dan Evstatieva, L.N., 2011. Screening of Plant Extracts for Antioxidant Activity: A Comparative Study on Three Testing. *Phytochemical Analysis* 13(1):8-17.
- Kusuma, D.L., 2014. Kadar Total Senyawa Fenolik Flavonoid, dan Aktivitas Antioksidan Air dan Ekstrak Metanol Daun Singkong (*Manihot esculenta* Crantz). *Skripsi*. Departemen Biokimia Fakultas Matematika IPA, IPB Bandung.
- Kwartiningsih, E., dan Mulyati, S.SN., 2005. Fermentasi Sari Buah Nanas Menjadi Vinegar. *Ekuilibrium*, 4(1), 8-12.
- Koriem, M.K., Abrid, S.M., dan Emam, R.K., 2014. Therapeutic Effect of Pectin on Octyphenol Induced Kidney Dysfunction, Oxidative Stress and Apoptosis in Rats. *Environmental Toxicology and Pharmacology*, 1(38), 14-23.
- Larrauri, J.A., Sanchez-Moreno, C., dan Saura-Calixto, F., 1998. Effect of Temperature on The Free Radical Scavenging Capacity of Extracts From Red and White Grape Pomace Peels. *Journal of Agricultural And Food Chemistry*, 46(7), 2694-2697.
- Laureys, D., Cnokaert, M., De Vuyst, L., and Vandamme, P., 2016. *Bifidobacterium Aquakefiri* Sp. Nov. Isolated from Water Kefir. *International Journal Syst Evol Microbiol* 66, 1281-1286.

- Levine, M., Dharwial, K. R., Wang, Y., dan Park, J.B., 1995. Determination of Optimal Vitamin and requirements in humans. *The American Journal of Clinical Nutrition*, 62(6 Suppl):1347S-1356S.
- Maheswari, R. R. A., dan J. Setiawan., 2009. *Mengapa Harus Kefir*. Departemen Ilmu Produksi dan Teknologi Peternakan Fakultas Peternakan IPB. Bogor.
- Mella, M.L., 2016. Pengukuran Warna Selama Pencoklatan Enzimatis Ubi Jalar Dengan Kamera Handphone Pintar (Hp-P). *Skripsi*. Fakultas Teknologi Pertanian Institut Pertanian Bogor.
- Matheyambath, A. C., Padmanabhan, P., dan Paliyath, G., 2015. *Citrus Fruit Encyclopedia of Food and Health*. First Edition. Elsevier Ltd.
- Miller, D.N., 2015. Water Kefir or Tibicos. <http://growyouthful.com/recipes/Water-kefir.php>. Diakses pada tanggal 30 Januari 2019.
- Mirabella, N., Castellani, V., dan Sala, S., 2014. Current options for The Valorization of Food manufacturing waste: A review. *Journal of Cleaner Production*, 65, 28-41.
- Molyneux, P., 2004. The Use of The Stable Free Radicals DPPH for Estimating Antioxidant Activity. *Songklanakarin Journal Science Technology*, 26(2) 211-219.
- Muizuddin, M., dan Zubaidah, E., 2015. Studi Aktivitas Antibakteri Kefir The Daun Sirsak (*Annona Muricata* Linn.) dari Berbagai Merk Teh Daun Sirsak Dipasaran. *Jurnal Pangan dan Agroindustri* Vol. 3 No 4 p.1662-1672.
- Nakao, K., Murata, K., Itoh, K., Hanamoto, Y., Masuda, M., Moriyama, K., 2011. Anti-Hyperuricemia Effects of Extracts of Immature Citrus Unshiu Fruit. *Journal of Traditional Medicines*. 1(28), 10-15.
- Nerdy., 2017. Determination of Vitamin C in Several Varieties of Melon Fruits by Titration Methode. *Jurnal Natural* Vol.17, No.2, 118-121.
- Pangkal, ide., 2008. *Health Secret of Kefir*. Elex Media Komputido. Jakarta.
- Pawiroharsono, S., 2007. Potensi Pengembangan Industri dan Bioekonomi Berbasis Makanan Fermentasi Tradisional. *Jurnal Ilmu Kefarmasian Indonesia*, 5(2), hal. 85-91.
- Pracaya., 2009. *Jeruk Manis Varietas Budidaya dan Pascapanen*. Penebar Swadaya. Jakarta.
- Rahman, A., Fardiaz, S., Rahayu, W.P., dan Nurwitri, S., 1992. *Bahan Pengajaran Teknologi Fermentasi Susu*. Pusat Antar Universitas Pangan dan Gizi. Institut Pertanian Bogor.
- Ranganna, s., 1986. *Handbook of Analysis and Quality Control for Fruit and Vegetable Products*. 2nd edition. Tata Mc.Graw Hill Publishing Company. New Delhi.
- Redaksi Trubus., 2007. *Menjadikan Buah Lebih Manis*. PT.Penebar Swadaya, Anggota IKAPI. Depok.

- Rekha C, Poornima G, Manasa M, Abhipsa V, Devi JP, Kumar HTV, Kekuda TRP. 2012. Ascorbic acid, total phenol content and antioxidant activity of fresh juice of four ripe and unripe citrus fruits. *Research Article. Chemical Science Transactions*. 1(2): 303- 310.
- Rohman, A., Riyanto, S., dan Utari, D., 2006. Antioxidant Activities, Total Phenolic and Flavonoid Contents of Ethyl Acetate Extract of Mengkudu (*Morinda Citrifolia*, L) Fruit and it's Fractions. *Majalah Farmasi Indonesia*, 17(3), 136-142.
- Rohma, N.H., 2018. Kandungan Senyawa Fenolik dan Beta-Karoten Serta Aktivitas Enzim Kasar Carotenoid Cleavage Dioxygenases dari Pomace dan Jus Jeruk Siam (*Citrus Nobilis* Lour Var. *Microcarpa*). *Skripsi*. Departemen Teknologi Pangan dan Hasil Pertanian. Fakultas Teknologi Pertanian Universitas Gadjah Mada. Yogyakarta.
- Rohim, A., 2001. Kualitas Kefir Dengan Menggunakan Bulk Starter Freeze Drying. *Skripsi*. Jurusan Ilmu Produksi Ternak. Fakultas Peternakan Institut Pertanian Bogor. Bogor.
- Sadeli, R. A., 2016, Uji Aktivitas Antioksidan dengan Metode DPPH (1,1diphenyl-2-picrylhydrazyl) Ekstrak Bromelain Buah Nanas (*Ananascomosus* (L.) Merr.). *Skripsi*. Fakultas Farmasi Universitas Sanata Dharma. Yogyakarta.
- Saeed, N., Khan, M.R., dan Shabbir, M., 2012. Antioxidant activity, Total Phenolic and Flavonoid Contents of Riswhole Plant Extracts (*Torilis Leptophylla* L.). *Journal BMC Complementary and Alternative Medicine*, 12(1), 1174.
- Salisbury, F. B dan C.W. Ross. 1992. *Fisiologi Tumbuhan Jilid 3*. Terjemahan oleh Diah R. Lukman dan Sumaryono, 1995. Penerbit ITB, Bandung.
- Sampurno, A., dan Cahyani, A.N., 2015. Variasi Jenis Gula Tebu Terhadap Derajat Brix, pH, Total Asam dan Kesukaan Panelis pada Water Kefir. *Jurnal Teknologi Pangan dan Hasil Pertanian*, 11 no.2, 34-39.
- Sandra., 2012. Manfaat Probiotik Kefir Susu dan Kefir Air. <http://www.benefitsofkefir.com/probiotic-benefits-of-milk-kefir-and-water-kefir/>. Diakses Pada Tanggal 12 Januari 2019.
- Santanu R, Hussan S D, Rajesh G, Daijit M. A review on pharmaceutical gel. *Inter Journal of Pharm Research and Bio-sciences*. 2012:1(5); 21-36.
- Schneedorf, J.M., 2012. Kefir D'Aqua and it's Probiotic Prpoerties. *Intech Open*, 2,64.9, 53-76.
- Sibaringan, E.E., 2010. *Gizi Dalam Kesehatan Reproduksi*. CV.Trans Info Media. Jakarta.
- Silalahi, J., 2006. *Makanan Fungsional*. Penerbit Kanisius. Yogyakarta.
- Sudha, M.L., Baskaran, V., dan Leelavathi, K., 2007. Apple Pomace as a Source of Dietary Fiber and Polyphenols and it's effect on the rheological Characteristics and Cake Making. *Journal of Food Chemistry*, 104(2), 686 692.

- Swandari, T., Basunanda, P., dan Purwantoro-Aziz., 2017. Penggunaan Alat Sensor Warna Untuk Menduga Derajat Dominansi Gen Penyandi Karakter Warna Buah Cabai Hasil Persilangan. *Index Journal*, 40-49.
- Tarwendah, P.I., 2017. Jurnal Review: Studi Komparasi Atribut Sensoris dan Kesadaran Merek Produk Pangan. *Jurnal Pangan dan Agroindustri*. Vol 5, No:2, 66-73.
- Techinamuti., Novalisha., dan Pratiwi, R., 2018. Review:Metode Analisis Kadar Vitamin C. *Jurnal Unpad* 16(2), 309-315.
- Ting, V.S., dan Attaway, J.A., 1971. *Citrus Fruit In The Biochemistry of Fruit and Their Products*. Vol.2. 107-179. Academic Press. New York.
- US Food and Drug Administration., 2016. pH Values of Various Foods. <http://www.fda.gov/Food/FoodborneIllnessContaminants/CausesOfIllnessadBugBook/ucm122561.htm>. Diakses Pada Tanggal 28 Januari 2018.
- Vaya, J., dan Aviram, M., 2001. Nutritional Antioxidants Mechanism of Action, Analyses of Activities and Medical Application. Current Medicinal Chemistry- Immunology, Endocrine and Metabolic Agents. *Journal of Chemistry* 1(1),99-117.
- Wahyuni, Y., 2013. Studi Aktivitas Antioksidan Pada Sari Jeruk Siam (*Citrus Nobilis Lour Var.Microcarp Hassk.*). *Skripsi*. Fakultas Ilmu Tarbiyah Dan Keguruan Institut Agama Islam.
- Wardani, L.A., 2012. Viamin C Pada Minuman Buah Kemasan dengan Spek Trofotometri Uv-Visible. *Skripsi*. Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Indonesia.
- Whitman, B.W., 2011. *Bergey's Manual of Systematic Bacteriology 2nd ed*. Volume 3: The Firmicutes. Springer Science & Business Media. New York, USA.
- Winarsi, H., 2007. *Antioksidan Alami dan Radikal Bebas*. Penerbit Kanisius. Yogyakarta.
- Winarno, F.G., 1984. *Kimia Pangan dan Gizi*. PT.Gramedia Pustaka. Jakarta.
- Workman, J., 2014. *The Concise Handbook of Analytical Spektroskopy: Theory, Aplication, and Reference Materials*. World Scientific Publishing Co. Singapore.
- Wood, J. B. 1998. *Microbiology of Fermented Foods*. Blackie Academic and Professional, an Imprint of Thomson Science. 2–6 Boundary Row,London SE1 8 HN, UK.
- Yuan, H., Zhang, J., Nageswaran, D., dan Li, L., 2015. Carotenoid Metabolism and Regulation in Horticultural crops. *Journal Horticulture Research*. Volume 7(2), 15036.
- Yuliana, N., 2008. Kinetika Pertumbuhan Bakteri Asam Laktat Isolat T5 yang Berasal dari Tempoyak. *Jurnal Teknologi Industri dan Hasil Pertanian*, 13(2), 109-116.

- Zhou, Q., 2012. *Citrus Fruits Nutrition*. Science Press. Beijing, China.
- Zou, Zhuo., Xi, Wanpeng., Hu, Yan., Nie, C., Zhou, Z., 2015. Antioxidant activity of Citrus fruits. *Journal Food Chemistry*, Vol.196, 885-896.
- Zulaekah, S., 2007. Efek Suplementasi Besi, Vitamin C, dan Pendidikan Gizi Terhadap Perubahan Kadar Hemoglobin Anak Sekolah Dasar yang Anemia di Kecamatan Kartasura Kabupaten Sukoharjo. *Thesis*. Program Pascasarjana Universitas Diponegoro. Semarang.