

DAFTAR PUSTAKA

- Abeyasinghe, D. C., Li, X., Sun, C., Zhang, W., Zhou, C., & Chen, K. 2007. Bioactive compounds and antioxidant capacities in different edible tissues of citrus fruit of four species. *Food Chemistry*, 104(4), 1338–1344. <https://doi.org/10.1016/j.foodchem.2007.01.047>
- Agócs, A., Nagy, V., Szabó, Z., Márk, L., Ohmacht, R., & Deli, J. 2007. Comparative study on the carotenoid composition of the peel and the pulp of different citrus species. *Innovative Food Science and Emerging Technologies*, 8(3), 390–394. <https://doi.org/10.1016/j.ifset.2007.03.012>
- Alfredo, V.-O., Gabriel, R.-R., Luis, C.-G., & David, B.-A. 2009. Physicochemical properties of a fibrous fraction from chia (*Salvia hispanica* L.). *LWT Food Science and Technology*, 42, 168–173.
- Amanlou, Y., & Zomorodian, A. 2010. Applying CFD for designing a new fruit cabinet dryer. *Journal of Food Engineering*, 101(1), 8–15. <https://doi.org/10.1016/j.jfoodeng.2010.06.001>
- Andriani, Dini. 2016. *Karakterisasi Ubi Jalar (Ipomoea batatas L.) dari Beberapa Varietas di Kuningan, Jawa Barat*. [Skripsi]. Fakultas Teknologi Pertanian, Institut Pertanian Bogor.
- [AOAC] Association of Official Analytical Chemistry. 2005. *Official Method of Analysis*. Washington DC (US): Association of Official Analytical Chemistry.
- Ayuni, Dwi. 2017. *Pengaruh Suhu Udara dan Ukuran Bahan terhadap Kualitas Fisik Sukun Hasil Pengeringan menggunakan Flash Dryer*. [Skripsi]. Teknik Pertanian dan Biosistem, FTP, UGM.

Badan Litbang Pertanian. *Jeruk Manis Pacitan.*

<http://www.litbang.pertanian.go.id/varietas/one/168/>. Diakses 17 Januari 2018
Pukul 12.25.

Bi, J., Yang, A., Liu, X., Wu, X., Chen, Q., Wang, Q., Wang, X. 2015. Effects of pretreatments on explosion puffing drying kinetics of apple chips. *LWT - Food Science and Technology*, 60(2), 1136–1142. <https://doi.org/10.1016/j.lwt.2014.10.006>

10.006

Blackwood, A. D., Salter, J., Dettmar, P. W., & Chaplin, M. F. 2000. Dietary fibre, physicochemical properties and their relationship to health. *Journal of The Royal Society for the Promotion of Health*, 120(4), 242–247. <https://doi.org/10.1177/146642400012000412>

Borchani, C., Besbes, S., Masmoudi, M., Bouaziz, M. A., Blecker, C., & Attia, H. 2012. Influence of Oven-Drying Temperature on Physicochemical and Functional Properties of Date Fibre Concentrates. *Food and Bioprocess Technology*, 5(5), 1541–1551. <https://doi.org/10.1007/s11947-011-0549-z>

Braverman, J. B. S.. 1949. *Citrus Products : Chemical Composition and Chemical Technology*. New York : Interscience Publishers. Inc..

Caballero, Benjamin, Paul M. Finglas, Fidel Toldra. 2016. *Encyclopedia of Food and Health, Volume 1*. Oxford : Elsevier Ltd.

Chen, M. L., Yang, D. J., & Liu, S. C. 2011. Effects of drying temperature on the flavonoid, phenolic acid and antioxidative activities of the methanol extract of citrus fruit (*Citrus sinensis* (L.) Osbeck) peels. *International Journal of Food Science and Technology*, 46, 1179-1185.

- Delgado-Nieblas, C. I., Zazueta-Morales, J. J., Ahumada-Aguilar, J. A., Aguilar-Palazuelos, E., Carrillo-López, A., Jacobo-Valenzuela, N., & Telis-Romero, J. 2017. Optimization of an Air-Drying Process to Obtain a Dehydrated Naranja (Citrus Mitis B.) Pomace Product With High Bioactive Compounds and Antioxidant Capacity. *Journal of Food Process Engineering*, 40(1). <https://doi.org/10.1111/jfpe.12338>
- Demiray, Engin, Yahya Tulek, Yusuf Yilmaz. 2013. Degradation kinetics of lycopene, β - carotene and ascorbic acid in tomatoes during hot air drying. *LWT - Food Science and Technology*, 50, 172–176. <http://dx.doi.org/10.1016/j.lwt.2012.06.001>
- Earle, R. L.. 1983. *Unit Operation in Food Processing*. New York : Pergamon Press Ltd.
- Earle, R. L.. 1966. *Unit Operation in Food Processing*. United Kingdom : Pergamon Press Ltd.
- Escarpa, A., & Gonzalez, M. C. 2001. An overview of analytical chemistry of phenolic compounds in foods. *Critical Reviews in Analytical Chemistry*, 31(2), 57–139. <https://doi.org/10.1080/20014091076695>
- Femenia, A., Sastre-Serrano, G., Simal, S., Garau, M. C., Eim, V. S., & Rosselló, C. 2009. Effects of air-drying temperature on the cell walls of kiwifruit processed at different stages of ripening. *LWT - Food Science and Technology*, 42(1), 106-112. <https://doi.org/10.1016/j.lwt.2008.05.022>
- Fernández-López, J., Sendra-Nadal, E., Navarro, C., Sayas, E., Viuda-Martos, M., & Alvarez, J. A. P. 2009. Storage stability of a high dietary fibre powder from

- orange by-products. *International Journal of Food Science & Technology*, 44(4), 748–756. <https://doi.org/10.1111/j.1365-2621.2008.01892.x>
- Figuerola, F., Hurtado, M. L., Estévez, A. M., Chiffelle, I., & Asenjo, F. 2005. Fibre concentrates from apple pomace and citrus peel as potential fibre sources for food enrichment. *Food Chemistry*, 91(3), 395–401. <https://doi.org/10.1016/j.foodchem.2004.04.036>
- Garau, M. C., Simal, S., Rosselló, C., & Femenia, A. 2007. Effect of air-drying temperature on physico-chemical properties of dietary fibre and antioxidant capacity of orange (*Citrus aurantium* v. *Canoneta*) by-products. *Food Chemistry*, 104(3), 1014–1024. <https://doi.org/10.1016/j.foodchem.2007.01.009>
- Gouw, Virginia, Jooyeoun Jung, Yanyun Zhao. 2017. Functional properties, bioactive compounds, and in vitro gastrointestinal digestion study of dried fruit pomace powders as functional food ingredients. *Food Science and Technology*, 80, 136 – 144. <http://dx.doi.org/10.1016/j.lwt.2017.02.015>
- Grabowski JA, Truong VD, Daubert CR. 2006. Spray drying of amylase hydrolyzed sweet potato puree and physicochemical properties of powder. *J of Food Science*, 71, 209-217.
- Grigelmo-Miguel, N., & Martin-Belloso, O. 1998. Characterization of dietary fiber from orange juice extraction. *Food Research International*, 31(5), 355–361.
- Hadjal, T., Dhuique-Mayer, C., Madani, K., Dornier, M., & Achir, N. 2013. Thermal degradation kinetics of xanthophylls from blood orange in model and real food systems. *Food Chemistry*, 138(4), 2442–2450. <https://doi.org/10.1016/j.foodchem.2012.12.022>

- Hardiana, Ricki, Rudiysanyah, Titin Anita Zaharah. 2012. Aktivitas Antioksidan Senyawa Golongan Fenol dari Beberapa Jenis Tumbuhan Famili *Malvaceae*. *JKK*, 1 (1), 8-13.
- Herbig, Anna-Lena, Catherine M.G.C. Renard. 2017. Factors that impact the stability of vitamin C at intermediate temperatures in a food matrix. *Food Chemistry*, 220, 444–451. <http://dx.doi.org/10.1016/j.foodchem.2016.10.012>
- Hewston, Elizabeth M., Murray Fisher, Elsa Orent-Keiles. 1950. Comparison of the 2,6-Dichlorophenolindo-phenol and 2,4-Dinitrophenylhydrazine Methods with the Crampton Bioassay for Determining Vitamin C Values in Foods. *USDA Technical Bulletin*, 1023, 1-30.
- Hutchings, John B.. 1994. *Food Colour and Appearance*. London : Blackie Academic and Professional.
- Konika Minolta. 2007. *Precise Color Communication : Color Control from Perception to Instrumentation*. Jepang : Konika Minolta Sensing, Inc..
- Larrosa, A. P. Q., Cadaval, T. R. S., & Pinto, L. A. A. 2015. Influence of drying methods on the characteristics of a vegetable paste formulated by linear programming maximizing antioxidant activity. *LWT - Food Science and Technology*, 60(1), 178–185. <https://doi.org/10.1016/j.lwt.2014.08.003>
- Li Fu, Bo-Tao Xu, Xiang-Rong Xu, Ren-You Gan, Yuan Zhang , En-Qin Xia, Hua-Bin Li. 2011. Antioxidant capacities and total phenolic contents of 62 fruits. *Food Chemistry*, 345–350. <https://doi.org/10.1016/j.foodchem.2011.04.079>
- López, G., Ros, G., Rincón, F., Periago, M. J., Martínez, M. C., & Ortuño, J. 1996. Relationship between Physical and Hydration Properties of Soluble and

- Insoluble Fiber of Artichoke. *Journal of Agricultural and Food Chemistry*, 44(9), 2773–2778. <https://doi.org/10.1021/jf9507699>
- Lou, Z., Wang, H., Wang, D., & Zhang, Y. 2009. Preparation of inulin and phenols-rich dietary fibre powder from burdock root. *Carbohydrate Polymers*, 78(4), 666–671. <https://doi.org/10.1016/j.carbpol.2009.05.029>
- Mditshwa, A., Samukelo, L., Zeray, S., & Linus, U. 2017. Scientia Horticulturae Postharvest factors affecting vitamin C content of citrus fruits: A review. *Scientia Horticulturae*, 218, 95–104. <https://doi.org/10.1016/j.scienta.2017.02.024>
- Michalska, A., Wojdy, A., Lech, K., Grzegorz, P. Ł., & Figiel, A. 2017. Effect of different drying techniques on physical properties , total polyphenols and antioxidant capacity of blackcurrant pomace powders. *LWT - Food Science and Technology*, 78, 114–121. <https://doi.org/10.1016/j.lwt.2016.12.008>
- Musdalifah, Nuzlul. 2016. *Penyimpanan Jeruk Siam (Citrus nobilis L.) setelah Proses Degreening*. [Thesis]. Sekolah Pascasarjana, Institut Pertanian Bogor.
- Moure, A., Cruz, J. M., Franco, D., Domínguez, J. M., Sineiro, J., Domínguez, H. 2001. Natural antioxidants from residual sources. *Food Chemistry*, 72, 145–171.
- Nagarajaiah, S. B., & Prakash, J. 2016. Chemical Composition and Bioactivity of Pomace from Selected Fruits. *International Journal of Fruit Science*, 16(4), 423–443. <https://doi.org/10.1080/15538362.2016.1143433>
- Nagata, M., & Yamashita, I. 1992. Simple method for simultaneous determination of chlorophyll and carotenoids in tomato fruit. *Soc. Food Sci. Technol. (Nippon Shokuhin Kogyo Gakkaishi)*, 39(102), 925–928. <https://doi.org/10.3136/nskkk>

1962.39.925

O'Shea, Norah , Elke K. Arendt, Eimear Gallagher. 2012. Dietary fibre and phytochemical characteristics of fruit and vegetable by-products and their recent applications as novel ingredients in food products. *Innovative Food Science and Emerging Technologies*, 16, 1–10.

O'Shea, N., Ktenioudaki, A., Smyth, T. P., McLoughlin, P., Doran, L., Auty, M. A. E., Gallagher, E. 2015. Physicochemical assessment of two fruit by-products as functional ingredients: Apple and orange pomace. *Journal of Food Engineering*, 153, 89–95. <https://doi.org/10.1016/j.jfoodeng.2014.12.014>

Papoutsis, K., Pristijono, P., Golding, J. B., Stathopoulos, C. E., Scarlett, C. J., Bowyer, M. C., & Vuong, Q. Van. 2016. Impact of different solvents on the recovery of bioactive compounds and antioxidant properties from lemon (*Citrus limon* L.) pomace waste. *Food Science and Biotechnology*, 25(4), 971–977. <https://doi.org/10.1007/s10068-016-0158-8>

Pathare, P. B., Opara, U. L., & Al-Said, F. A. J. 2013. Colour Measurement and Analysis in Fresh and Processed Foods: A Review. *Food and Bioprocess Technology*, 6(1), 36–60. <https://doi.org/10.1007/s11947-012-0867-9>

Persic, M., Mikulic-Petkovsek, M., Slatnar, A., & Veberic, R. 2017. Chemical composition of apple fruit, juice and pomace and the correlation between phenolic content, enzymatic activity and browning. *LWT - Food Science and Technology*, 82, 23–31. <https://doi.org/10.1016/j.lwt.2017.04.017>

Porto, Maria Rita A., Vivian S. Okina, Tatiana C., Pimentel dan Sandra Helena Prudencio. 2017. Physicochemical Stability, Antioxidant Activity, and

- Acceptance of Beet and Orange Mixed Juice during Refrigerated Storage. *Beverages*, 3(36), 1-12. www.mdpi.com/journal/beverages
- Pracaya. 2009. Jeruk Manis : Varietas, Budidaya, dan Pascapanen. Depok : Swadaya.
- Pusat Data dan Sistem Informasi Pertanian. 2015. *Outlook Komoditas Pertanian Subsektor Holtikultura : Jeruk*. Sekretariat Jendral-Kementrian Pertanian.
- Putri, Yolenta Ivana. 2014. *Analisis Pengeringan Kelapa Parut menggunakan Kabinet Dryer dengan Variasi Suhu dan Metode Pemberian Natrium Bisulfit*. [Skripsi]. Teknik Pertanian, FTP, UGM.
- Rabetafika, H. N., Bchir, B., Aguedo, M., & Paquot, M. 2014. Effects of Processing on the Compositions and Physicochemical Properties of Fibre Concentrate from Cooked Fruit Pomaces. *Food Bioprocess Technol.* 6(3). <https://doi.org/10.1007/s11947-013-1073-0>
- Nunes, J. C., Lago, M. G., Castelo-branco, V. N., Oliveira, F. R., Guedes, A., Perrone, D., & Monteiro, M. 2016. Effect of drying method on volatile compounds , phenolic profile and antioxidant capacity of guava powders. *Food Chemistry*, 197, 881–890. <https://doi.org/10.1016/j.foodchem.2015.11.050>
- Ratti, C. 2001. Hot air and freeze-drying of high-value foods: A review. *Journal of Food Engineering*, 49(4), 311–319. [https://doi.org/10.1016/S0260-8774\(00\)00228-4](https://doi.org/10.1016/S0260-8774(00)00228-4)
- Rizal, Saifur, Sumardi Hadi Sumarlan, Rini Yulianingsih. 2013. Pengaruh Konsentrasi Natrium Bisulfit Dan Suhu Pengeringan terhadap Sifat Fisik-Kimia

- Tepung Biji Nangka (*Artocarpus heterophyllus*). *Jurnal Bioproses Komoditas Tropis*, 1(2), 1-10.
- Ropiani. 2006. *Karakterisasi Fisik dan pH Selai Buah Pepaya Bangkok*. [Skripsi]. FMIPA, Institut Pertanian Bogor.
- Standar Nasional Indonesia. 2006. *SNI 01-3751-2006 : Tepung Terigu sebagai Bahan Makanan*.
- Sun, Y., Shen, Y., Liu, D., & Ye, X. 2015. Effects of drying methods on phytochemical compounds and antioxidant activity of physiologically dropped un-matured citrus fruits. *LWT - Food Science and Technology*, 60(2), 1269–1275.
- Sudarmadji, Slamet, Bambang Haryono, Suhardi. 1997. *Prosedur Analisa untuk Bahan Makanan dan Pertanian*. Yogyakarta : Liberty.
- Singh, R. Paul dan Dennis R. Heldman. 2009. *Introduction to Food Engineering (Fourth Edition)*. London : Academic Press.
- Tontul, I., & Topuz, A. 2017. Effects of different drying methods on the physicochemical properties of pomegranate leather (pestil). *LWT - Food Science and Technology*. <https://doi.org/10.1016/j.lwt.2017.02.035>
- Tseng, Angela dan Yanyun Zhao. 2013. Wine grape pomace as antioxidant dietary fibre for enhancing nutritional value and improving storability of yogurt and salad dressing. *Food Chemistry*, 138, 356–365. <http://dx.doi.org/10.1016/j.foodchem.2012.09.148>
- Vega-Gálvez, A., Lemus-Mondaca, R., Bilbao-Sáinz, C., Fito, P., & Andrés, A. 2008. Effect of air drying temperature on the quality of rehydrated dried red bell

- pepper (var. Lamuyo). *Journal of Food Engineering*, 85(1), 42–50.
<https://doi.org/10.1016/j.jfoodeng.2007.06.032>
- Wang, L., Xu, H., Yuan, F., Pan, Q., Fan, R., & Gao, Y. 2015. Physicochemical characterization of five types of citrus dietary fibers. *Biocatalysis and Agricultural Biotechnology*, 4(2), 250–258.
- Waziroh, Elok, Dego Yusa A., Nur Istianah. 2017. *Proses Termal pada Pengolahan Pangan*. Malang : Universitas Brawijaya Press.
- Wijana, S., Citraresmi, A. D. P., Dewanti, B. S. D., Pranowo, D., Perdani, C. G., & Rahmah, N. L. 2016. Analisis Proses Produksi Sirup Jeruk *Baby Java*. *Production Process Analysis of Baby Java's Orange Syrup in Pilot Plant Scale*, 17(3), 213–230.
- Wijngaard, H. H., Rößle, C., & Brunton, N. 2009. A survey of Irish fruit and vegetable waste and by-products as a source of polyphenolic antioxidants. *Food Chemistry*, 116(1), 202–207. <https://doi.org/10.1016/j.foodchem.2009.02.033>
- Winarno, F. G.. 2004. *Kimia Pangan dan Gizi*. Jakarta : Gramedia Pustaka Utama.
- Wiranata, G., Yuwono, S. S., & Purwantiningrum, I. 2016. Pengaruh Lama Pelayuan dan Suhu Pengeringan terhadap Kualitas Produk Apel Celup Anna (*Malus domestica*). *Jurnal Pangan Dan Agroindustri*, 4(1), 449–457.
- Ye, Xingqian. 2017. *Phytochemicals in Citrus: Applications in Functional Foods*. Boca Raton : CRC Press.
- Zhang, T., Wei, X., Miao, Z., Hassan, H., Song, Y., & Fan, M. 2016. Screening for antioxidant and antibacterial activities of phenolics from Golden Delicious apple pomace. *Chemistry Central Journal*, 10, 1–9.

<https://doi.org/10.1186/s13065-016-0195-7>

Zhang, H., Xie, Y., Liu, C., Chen, S., Hu, S., Xie, Z., Xu, J. 2017. Comprehensive comparative analysis of volatile compounds in citrus fruits of different species. *Food Chemistry* , 230, 316–326.