

DAFTAR PUSTAKA

- Abdullah, B. A. 2016. Metode accelerated shelf life test (ASLT) dengan pendekatan Arrhenius dalam pendugaan umur simpan sari buah nanas, pepaya, dan cempedak. *Informatika Pertanian*. 25(2):189-198.
- Aghajanzadeh, S., Kashaninejad, M., dan Ziaifar, A. M. 2017. Cloud stability of sour orange juice as affected by pectin methylesterase during come up time: Approached through fractal dimension. *International Journal of Food Properties*. 20:S2508–S2519.
- Aina, M. dan D. Suprayogi. 2011. Uji kualitatif vitamin C pada berbagai makanan dan pengaruhnya terhadap pemanasan. *Jurnal Sains dan Matematika*. 3(1):62-67.
- Akhavan, H., Barzegar, M., Weidlich, H., dan Zimmermann, B. F. 2015. Phenolic compounds and antioxidant activity of juices from ten Iranian pomegranate cultivars depend on extraction. *Journal of Chemistry*. 1–7.
- Almatsier, S. 2003. *Prinsip Dasar Ilmu Gizi*. PT. Gramedia Pustaka Utama. Jakarta.
- Alberto, M. R., Gómez-Cordevés, C., dan Nadra, M. C. M. D. 2004. Metabolism of gallic acid and catechin by *Lactobacillus hilgardii* from wine. *Journal Agriculture and Food Chemistry*. 52:6465-6469.
- Alighourchi, H., Barzegar, M., dan Abbasi, S. 2008. Anthocyanins characterization of 15 Iranian pomegranate (*Punica granatum* L.) varieties and their variation during cold storage and pasteurization. *European Food Research and Technology*. 228:881–887.
- Almeida, M. M. B., de Sousa, P. H. M., Arriaga, Â. M. C., do Prado, G. M., Magalhães, C. E. de C., Maia, G. A., dan de Lemos, T. L. G. 2011. Bioactive compounds and antioxidant activity of fresh exotic fruits from northeastern Brazil. *Food Research International*. 44(7):2155–2159.
- Andarwulan, N. dan Koswara, S. 1992. *Kimia Vitamin*. Rajawali. Jakarta.

- Anto, Supriyadi, dan Daryono, B. S. 2015. Identifikasi Senyawa yang Berkorelasi terhadap Rasa Pahit Selama Perkembangan Fase Buah Melon (*Cucumis melo* L.) Kultivar Gama Melon Parfum. *Tesis*. UGM Yogyakarta.
- AOAC. 1995. *Official Methods of Analysis of The Association of Official Analytical Chemists*. Published by AOAC International, Arlington, USA.
- Arif, S., Wijana, S., dan Mulyadi, A. F. 2013. Pendugaan umur simpan minuman sari buah sirsak (*Annona muricata* L.) berdasarkan parameter kerusakan fisik dan kimia dengan metode accelerated shelf life testing (ASLT). *Jurnal Industria*. 4(2): 89-96.
- Arif, S., Wijana, S., dan Mulyadi, A.F. 2016. Pendugaan umur simpan minuman sari buah sirsak (*Annona muricata* L.) berdasarkan parameter kerusakan fisik dan kimia dengan metode accelerated shelf life testing (ASLT). *Industria: Jurnal Teknologi dan Manajemen Agroindustri*. 4:2.
- Arpah, M. dan Syarief, R. 2000. *Evaluasi Model-model Pendugan Umur Simpan Pangan dari Difusi Hukum Fick Undireksional*. Buletin Teknologi dan Industri Pangan.
- Arpah. 2007. *Penetapan Kadaluarsa Pangan*. Departemen Teknologi Pangan dan Gizi. Fakultas Teknologi Pertanian. Institut Pertanian Bogor. Bogor. Hal 13- 114.
- Ashraff, M. A., Maah, M.J., Yusoff, I., Mahmood, K., dan Wajid, A. 2011. Study of antioxidant potential of tropical fruit. *International Journal of Bioscience, Biochemistry and Bioinformatics*. 1(1) 53-57.
- Ashurst, P. R. 1991. *Fruit Juice dalam Ashurst, P.R (Food Flavoring)*. AVIPublishing. New York. P87-114.
- Asiah, N., David, W., Cempaka, L. 2018. *Panduan Praktis Pendugaan Umur Simpan Produk Pangan*. Penerbitan Universitas Bakrie. Jakarta.
- Astawan, M. dan Wahyuni. 1991. *Teknologi Pengolahan Pangan Tepat Guna*. Akademi Pressindo. Jakarta.

- Audri, D.D.S. 2013. *Pendugaan umur simpan jus ubi jalar ungu (Ipomoea batatas L.) pada penyimpanan suhu yang berbeda dengan menggunakan metode Arrhenius. Skripsi.* Fakultas Teknik Unpas.
- Ayadi, S. M., dan Kechaou, N. 2016. Chemical composition and bioactive compounds of *Cucumis melo* L. seeds: Potential source for new trends of plant oils. *Process Safety and Environmental Protection*.
- Azofeifa, G., Quesada, S., Pérez, A. M., Vaillant, F., dan Michel, A. 2015. Pasteurization of blackberry juice preserves polyphenol-dependent inhibition for lipid peroxidation and intracellular radicals. *Journal of Food Composition and Analysis*. 42:56–62.
- Azzouzi, H., Elfazazi, K., Achchoub, M., Chafki, L., Jbilou, M., Salmaoui, S. 2018. Effect of thermal pasteurization on the physicochemical stability and nutritional quality of Moroccan Valencia Late orange juice. *International Journal of Engineering Sciences and Research Technology*.
- Bhagavan, N.V. 2001. *Medical Biochemistry Elsevier 4th Edition*. Amsterdam.
- Balan, D. M., Pele, M., Artimon, dan Luta, G. Bioactive compounds in sea buckthorn fruits and in some products obtained by their processing. *Revue de Cytologie et de Biologie Végétales-Le Botaniste*. 28:364–368.
- Baqueiro-Peña, I. dan Guerrero-Beltrán, J.Á. 2017. Physicochemical and antioxidant characterization of *Justicia spicigera*. *Food Chemistry*. 218:305–312.
- Barrett, C. B. 2010. Measuring Food Insecurity. *Science*. 327(5967):825–828.
- Beegum, T., Zakirul, I., Siddiki, M.S.R., Habib, R., dan Rashid H. 2019. Preparation of fermented beverage from whey-based watermelon (*Citrullus lanatus*) juice. *Asian Journal of Dairy and Food Research*. 39(4):301-306.
- Bekele, D.A. dan Geleta, G.S. 2015. Iodometric determination of the ascorbic acid (vitamin C) content of some fruits consumed in Jimma Town Community in Ethiopia. *Research Journal of Chemical Sciences*. 5(1):60 – 63.

- Benattouche, Z., Djilali, B., Ahmed, H., dan Mokhtar, B. 2019. Effect of thermal pasteurization on phytochemical characteristics and antioxidant capacity of orange juice. *Revue Nature et Technologie*.
- Beuchat, L. R. dan Ryu, J. H. 1997. Produce handling and processing practices. *Emerg. Infect. Dis.* 3: 459–465.
- Bowler, R. P. dan Crapo, J. D. 2002. Oxidative stress in allergic respiratory diseases. *Journal of Allergy and Clinical Immunology*. 110(30):349-356.
- Brighente, I. M. C., Dias, M., Verdi, L. G., dan Pizzolatti, M. G. 2007. Antioxidant Activity and Total Phenolic Content of Some Brazilian Species. *Pharmaceutical Biology*. 45(2):156–161.
- Brugnoni, L.I., Adriana, P., Maria, T.G. 2013. Effect of storage conditions on microbiological and physicochemical parameters of cloudy apple juice concentrate. *International Journal of Food Engineering*.
- Burdurlu, H. S., Koca, N., dan Karadeniz, F. 2006. Degradation of vitamin C in citrus juice concentrates during storage. *Journal of Food Engineering*. 74(2):211–216.
- Bushway, R. J., Helper, P. R., King, J., Perkins, B., dan Krishan, M. 1989. Comparison of ascorbic acid content of supermarket versus roadside stand produce. *Journal of Food Quality*. 12: 99-105.
- Cai, Y., Luo, Q., Sun, M., dan Corke, H. 2004. Antioxidant activity and phenolic compounds of 112 traditional Chinese medicinal plants associated with anticancer. *Life Science*. 74(17):2157–84.
- Caminiti, I. M., Noci, F., Muñoz, A., Whyte, P., Morgan, D. J., Cronin, D. A., dan Lyng, J. G. 2011. Impact of selected combinations of non-thermal processing technologies on the quality of an apple and cranberry juice blend. *Food Chemistry*. 124(4):1387–1392.
- Cavalcanti, A. L., Oliveira, K. F., Paiva, P. S., Dias, M. V. R. 2006. Determination of total soluble solids content (Brix) and pH in milk drinks and industrialized fruit juices. *Pesquisa Brasileira em Odontopediatria e Clínica Integrada*. 6(1).

Chandrasekaran, S., Ramanathan, S., dan Basak, T. 2013. Microwave food processing: A review. *Food Research International*. 52(1):243–261.

Chemistry Libretext. 2021. <https://chem.libretexts.org/>

Chen, J. C., Chiu, M. H., Nie, R. L., Cordell, G. A., Qiu, S. X. 2005. Cucurbitacins and cucurbitane glycosides: structures and biological activities. *Natural Products Reports*. 22:386–399.

Chen, C., Qiang, S., Lou, L., dan Zhao, W. 2009. Cucurbitane-Type Triterpenoids from the Stems of Cucumis melo. *Journal of Natural Products*. 72(5):824–829.

Chen, Y., Yu, L. J., dan Rupasinghe, H.V. 2013. Effect of thermal and non-thermal pasteurisation on the microbial inactivation and phenolic degradation in fruit juice: a mini-review. *Journal of the Science of Food and Agriculture*. 93(5): 981–986.

Cheng, B., Li, Z., Liang, L., Cao, Y., Zeng, W., Zhang, X., Peng, Y. 2018. The γ -Aminobutyric Acid (GABA) Alleviates Salt Stress Damage during Seeds Germination of White Clover Associated with Na⁺/K⁺ Transportation, Dehydrins Accumulation, and Stress-Related Genes Expression in White Clover. *International Journal of Molecular Sciences*. 19(9):2520.

Cheon-Kim, Y., Choi, D., Zhang, C., Feng Liu, H., dan Lee, S. 2018. Profiling Cucurbitacins from diverse watermelon (*Citrullus* spp.). *Genetics and Breeding: Horticulture, Environment, and Biotechnology*. 1-10.

Choi, L.H. dan Nielsen, S.S. 2005. The effects of thermal and nonthermal processing methods on apple cider quality and consumer acceptability. *Journal of Food Quality*. 28(1):13–29.

Choiron, M. dan Yuwono, S. S. 2018. Pengaruh suhu pasteurisasi dan durasi perlakuan kejut listrik terhadap karakteristik sari buah mangga (*Mangifera indica* L.). *Jurnal Pangan dan Agroindustri*. 6(1):43-52.

Choiron, M dan Yuwono, S.S. 2018. Pengaruh suhu pasteurisasi dan durasi perlakuan kejut listrik. *Jurnal Pangan dan Agroindustri*. 6(1): 43-52.

- Chutintrasri, B. dan Noomhorm, A. 2007. Color degradation kinetics of pineapple puree during thermal processing. *LWT - Food Science and Technology*. 40(2): 300–306.
- Cooper, 2004. Complementary and alternative medicine, when rigorous, can be science. *Evid. Based Complement. Alternat. Med.*
- Costa, S.B., Steiner, A., Correia, L., Empis, J., dan Martins, M.M. 2006. Effect of maturity stage and mild heat treatments on quality of minimally processed kiwifruit. *Journal of Food Engineering*. 76: 616–625.
- Daniel, S., Jorje, O., Marcela, L., Francisco, N., Sylvain, M., Nelson, O., dan Juan, P, H. 2013. The vitamin C transporter SVCT2 is down-regulated during postnatal development of slow skeletal muscles. *Histochemistry and cell Biology*. 139(6).
- Daryono, B.S. dan Supriyadi. 2012. *Laporan Hibah Inkubasi : Produksi Benih Gama Melon Parfum dalam Rangka Penguatan Industri Benih Nasional*. Laboratorium Genetika Fakultas Biologi UGM, Yogyakarta.
- Daryono, B. S. dan Maryanto, S. D. 2017. *Keanekaragaman dan Potensi Sumber Daya Genetik Melon*. Gadjah Mada University Press. Yogyakarta. hal. 1-4.
- Dattatreya, A., Erzel, M. R., dan Rankin, S. A. 2007. Kinetic of browning during accelerated storage of sweet whey powder and prediction of its shelf life. *International Dairy Journal*. 17(2):177-182.
- Denver, M. C. dan Gaxtor, R. 1991. Juice Extraction and Apple Cultivar Influences on Juice Properties. *Journal of Food Science*. 56:6–9.
- Do, T.D.T., Cozzolino, D., Muhlhausler, B., Box, A., dan Able, A.J. 2015. Antioxidant capacity and vitamin E in barley: Effect of genotype and storage. *Food Chemistry*. 187:65–74.
- Duthie, G.G., Duthie, S., dan Kyle, J. A. M. 2000. Plant polyphenols in cancer and heart disease: implications as nutritional antioxidants. *Nutrition Research Review*. 13:79-106.
- El-Ishaq, A. dan Obirinakem, S. 2015. Effect of temperature and storage on vitamin C content in fruits juice. *International Journal of Chemical and Biomolecular Science*. 1(2):17-21.

- Elez-Martínez, P., Aguiló-Aguayo, I., dan Martín-Belloso, O. 2005. Inactivation of orange juice peroxidase by high-intensity pulsed electric fields as influenced by process parameters. *Journal of the Science of Food and Agriculture*. 86(1): 71–81.
- Ejechi, B. O., Ojeata, A., dan Oyeleke, S. B. 1997. The effect of extracts of some Nigerian spices on biodeterioration of okro (*Abelmoschus* L Moench) by Fungi. *Journal of Phytopathology*. 145(11-12):469–472.
- Eskin, N.A.M. dan Robinson, D.S. 2001. *Food Shelf Life Stability: Chemical, Biochemical, Mikrobiochemical Changes*. CRC Press: Washington, D.C.
- Estiasih, T. dan Ahmadi. 2009. *Teknologi Pengolahan Pangan*. Bumi Aksara. Jakarta.
- Fardiaz, S. 1989. *Mikrobiologi Pangan*. Departemen Pendidikan dan kebudayaan Direktorat Jendral Pendidikan Tinggi Pusat Antar Universitas Pangan dan Gizi. IPB. Bogor.
- Fernandes, L., Pereira, J. A. C., Lopez-Cortes, I., Salazar, D. M., dan Elsa, C. D. R. 2015. Physicochemical changes and antioxidant activity of juice, skin, pellicle and seed of pomegranate (cv. Mollar de Elche) at different stages of ripening. *Food Technology and Biotechnology*. 53(4):397–406.
- Fessenden dan Fessenden. 1986. *Kimia Organik Edisi-3 (A.H. Pudjatkma)*. Erlangga. Jakarta.
- Filannino, P., Cardinali, G., Rizzello, C. G., Buchin, S., De Angelis, M., Gobbetti, M., dan Di Cagno, R. 2014. Metabolic Responses of *Lactobacillus plantarum* Strains during Fermentation and Storage of Vegetable and Fruit Juices. *Applied and Environmental Microbiology*. 80(7):2206–2215.
- Fraga, C. G. 2010. *Plant Phenolics and Human Health 'Biochemistry, Nutrition, and Pharmacology'*. John Wiley and Sons Inc. New Jersey.
- Fundo, J. F., Fatima, A., Miller, Garcia, E., Santos, J. R., Silva, C. L. M., dan Teresa R. S., Brandao. 2017. Physicochemical characteristics, bioactive compounds and antioxidant activity in juice, pulp, peel and seeds of *Cantaloupe* melon. *Journal of Food Measurement and Characterization*. 12:292–300.

- Fundo, J. F., Miller, F. A., Tremarin, A., Garcia, E., Brandão, T. R. S., dan Silva, C.L.M. 2018. Quality assessment of Cantaloupe melon juice under ozone processing. *Innovative Food Science & Emerging Technologies*. 47:461–466.
- Galeb, A. D. S., Wrolstad, R. E., dan McDaniel, M. R. 2002. Composition and quality of clarified Cantaloupe juice concentrate. *Journal of Food Processing and Preservation*. 26(1):39–56.
- Gangopadhyay, N., Rai, D.K., Brunton, N.P., Gallagher, E., Hossain, M.B. dan .2016. Antioxidant-guided isolation and mass spectrometric identification of the major polyphenols in barley (*Hordeum vulgare*) grain. *Food Chemistry*. 210:212–220.
- Ghaima, K. K., Nader, M. I., Taqi, R. A., Ghraibit, S. A. 2013. Extraction and identification of phenol compounds from Bitter Melon *Momordica charantia* fruits and their role as antioxidants. *Journal of Biotechnology Research Center*. 7:1.
- Gimenes, A., P. Varela, A. Salvador, G. Ares, S. Fiszman dan L. Garitta. 2007. Shelf life estimation of brown pad bread: A consumer approach. *Food Quality and Preference*. 18: 196-204.
- Gill, M. I., Tomas-Barberan, F. A., Hess-Pierce, B. dan Kader, A. A. 2002. Antioxidant capacities, phenolic compounds, carotenoids, and vitamin C contents of nectarine, peach, and plum cultivars from California. *J. Agric. Food Chem*. 50(17):4976-4982.
- Hadriyono dan Putra, K.R. 2011. Karakter kulit manggis, kadar polifenol dan potensi antioksidan kulit manggis (*Garcinia mangostana* L.) pada berbagai umur buah dan setelah buah dipanen. *Agronomy and Horticulture*.
- Hardinasinta, G., Mursalim, Muhidong, J., dan Salengke. 2021. Degradation kinetics of anthocyanin, flavonoid, and total phenol in bignay (*Antidesma bunius*) fruit juice during ohmic heating. *Food Science and Technology*.
- Harper, J. C. dan Sahrigi, A. F. 1965. Viscometric behavior of tomato concentrates. *Agricultural Engineering Department*.

- Hartono, B., Chrisanto, C., Farfar, I.O. 2019. Pengaruh lama penyimpanan terhadap aktivitas antioksidan berbagai macam jus buah berdasarkan metode DPPH. *Jurnal Kedokteran Meditek*. 25(2).
- Hasbullah, U.H.A., Supriyadi, Daryono, B. S. 2019. Aroma Volatile Compounds Profile of Melon (Cucumis melo L.) cv. Gama Melon Parfum. *Earth and Environmental Science*. 292.
- Hatcher Jr., W. S., Parish, M. E., Weih, J. L., Splittstoesser, D. F., Woodward, B. B. 2000. Fruit beverages. In: Downes, F. P., Ito, K. (Eds.). Methods for the microbiological examination of foods. *American Public Health Association, Washington, DC*. pp. 565–568.
- Hawa, L.C. dan Putri, R.I. 2011. Penerapan pulsed electric field pada pasteurisasi sari buah apel varietas Ana: kajian karakteristik ilai gizi, sifat fisik, sifat kimiawi dan mikrobial total. *Agritech*. 31(4).
- Hawa, L.C., Komar, D. dan Wirayanti. 2016. Kombinasi pasteurisasi termal dan non termal pada sari buah jeruk. *Jurnal Keteknik Pertanian Tropis dan Biosistem*. 4(3).
- Herbig, A.L. dan Renard, C.M.G.C. 2017. Factors that impact the stability of vitamin C at intermediate temperatures in a food matrix. *Food Chemistry*. 220:444–451.
- Hough, G., Garitta, L., dan G. Gomez. 2006. Sensory shelf life predictions by survival analysis accelerated storage models. *Food Quality and Preference*. 17(6):468-473.
- Huang, D., Ou, B., Prior R. L., Kyle, M. R . J., W. A. Gressam Jr., dan C. E. Collum. 1956. Small Canning Facilities Technical Aids Branch Office of Industrial Resources. *International Cooperation Administration Washington*. 2353(6):1841-56.
- Huang, D., Ou, B., dan Prior, R. L. 2005. The chemistry behind antioxidant capacity assays. *Journal of Agricultural and Food Chemistry*. 53(6):1841-1856.
- Ibrahim dan El-masry. 2016. Phenolic content and antioxidant activity of Cantaloupe (*Cucumis melo* var. *cantalupensis*) and food application. *International Journal of Food Nutrition and Food Sciences*. 5(1):16-24.

- Idehen, E., Tang, Y., dan Sang, S. 2017. Bioactive phytochemicals in barley. *Journal of Food and Drug Analysis*. 25(1):148–161.
- Ika, D. 2009. Alat otomatisasi pengukur kadar vitamin C dengan metode titrasi asam basa. *Jurnal Neutrino*. 1:2.
- IPGRI. 2003. Descriptors for Melon (*Cucumis melo* L.). *The International Plant Genetic Resources Institute*.
- Ismail, H. I. K. W., Chan, A. A., Mariod, dan Ismail, M. 2010. Phenolic content and antioxidant activity of cantaloupe (*Cucumis melo*) methanolic extracts. *Food Chemistry*. 119:643–647.
- Jaffery, E. H., Brown, A. F., Kurilich, A. C., Keek, A. S., Matusheski, N., dan Klein, B. P. 2003. Variation in content of bioactive components in broccoli. *Journal of Food Composition and Analysis*. 16:323-330.
- Jimenez-Sanchez, M., Licitra, F., Underwood, B.R., dan Rubinsztein, D.C. 2016. Huntington's disease: mechanisms of pathogenesis and therapeutic strategies. *Cold Spring Harbor Perspectives in Medicine*. 7(7).
- Juffs, H. dan Deeth, H. 2007. Scientific evaluation of pasteurisation for pathogen reduction in milk and milk products. *Scientific Evaluation of Milk Pasteurisation*.
- Jutkus, R.A.L., Li, N., Taylor, L.S., dan Mauer, L. J. 2015. Effect of temperature and initial moisture content on the chemical stability and color change of various forms of vitamin C. *International Journal of Food Properties*. 18(4): 862–879.
- Kathiravan, T., Kumar, R., Nadanasabapathi, S. 2014. Standardization of process condition in batch thermal pasteurization and its effect on antioxidant, pigment and microbial inactivation of Ready to Drink (RTD) beetroot (*Beta vulgaris* L.) juice. *International Food Research Journal*. 21(4):1305-131.
- Kenny, O., Smyth, T. J., Hewage, C. M., dan Brunton, N. P. 2013. Antioxidant properties and quantitative UPLC-MS analysis of phenolic compounds from extracts of fenugreek (*Trigonella foenum-graecum*) seeds and bitter melon (*Momordica charantia*) fruit. *Food Chemistry*. 141(4), 4295–4302.

- Keranis, E., Makris D., Rodopoulou, P., Martinou, H., Papamakarios, G., Daniil, Z., Zintzaras, E., dan Giurgoulanis, K. I. 2010. Impact of dietary shift to higher antioxidant foods in copd a randomized trial. *Eur Respir J.* 36(4):774-780.
- Khairani, C. dan Dalapati, A. 2007. *Pengolahan Buah-buahan Nomor: 01/Juknis/CKAD/P4MI/2007*. Departemen Pertanian Badan Penelitian dan Pengembangan Pertanian BPTP. Sulawesi Tengah.
- Khuriyati, N., Fibriato, M. B., dan Nugroho, D. A. 2017. Penentuan kualitas buah naga (*Hylocereus undatus*) dengan metode non-destruktif. *Jurnal Teknologi & Industri Hasil Pertanian.* 23 (2).
- Krishnan, V., Venkatachalam, K., dan Rangasamy, R. 2014. Total antioxidant activity and radical scavenging capacity of selected fruits and vegetables from South India. *International Food Research Journal.* 21(3):1003-1007.
- Kunitake, M., Ditchfield, C., Silva, C., dan Petrus, R. 2014. Effect of pasteurization temperature on stability of an acidified sugarcane juice beverage. *Ciência e Agrotecnologia.* 38(6):554–561.
- Kusnandar, F. 2011. *Pendugaan umur simpan produk pangan dengan metode accelerated shelf-life testing (ASLT)*. Di dalam: Steffy MF, Teti E. 2013. Prediksi umur simpan crackers menggunakan metode ASLT dengan pendekatan Arrhenius. Universitas Brawijaya. Malang.
- Kusuma, H. R., T. Ingewati., N. Indraswati., dan Martina. 2007. Pengaruh Pasteurisasi terhadap Kualitas Jus Jeruk Pacitan. *Jurnal Pendidikan Biologi Indonesia.* 1 (1):60-70.
- Kusuma, H.R. 2007. Pengaruh Pasteurisasi Terhadap Kualitas Jus Jeruk Pacitan. *Widya Teknik.* 6(2):142-143.
- Kristanti, H. 2014. *Potensi Etanolik Kulit Dan Daging Buah Melon (Cucumis melo L.) ‘Gama Melon Parfum’ Sebagai Larvasida Nyamuk Aedes aegypti L.* Universitas Gajah Mada. Yogyakarta.

- Lahouar, L., El Arem, A., Ghrairi, F., Chahdoura, H., Ben Salem, H., El Felah, M., dan Achour, L. 2014. Phytochemical content and antioxidant properties of diverse varieties of whole barley (*Hordeum vulgare* L.) grown in Tunisia. *Food Chemistry*. 145:578–583.
- Lee, H.S. dan Coates, G.A. 2003. Effect of Thermal pasteurization on valencia orange juice color and pigments. *LWT-Food Science and Technology*. 36: 153-156.
- Leizerson, S. dan Shimoni, E. 2005. Stability and sensory shelf Life of orange juice pasteurized by continuous ohmic heating. *Journal of Agricultural and Food Chemistry*. 53(10):4012–4018.
- Lester, G. 1995. Regulation of Muskmelon Fruit Senescence by Calsium. *Article*. New York. USA.
- Linder, M. C. 1992. *Biokimia Nutrisi dan Metabolisme dengan Pemakaian Secara Klinis*. UI Press. Jakarta.
- Manach, C., Scalbert, A., Morand, C., Rémesy, C., dan Jimenéz, L. 2004. Polyphenols: food sources and bioavailability. *American Journal of Clinical Nutrition*. 79: 727–747.
- Manach, C., Williamson, G., Morand, C., Scalbert, A., dan Remesy, C. 2005. Bioavailability and bioefficacy of polyphenols in humans. *American Journal of Clinical Nutrition*. 81:230-242.
- Margean, A., Lupu, M. I., Alexa, E., Padureanu, V., Canja, C. M., Cocan, I., dan Poiana, M.A. 2020. An Overview of Effects Induced by Pasteurization and High-Power Ultrasound Treatment on the Quality of Red Grape Juice. *Molecules*. 25(7):1669.
- Martí, N., Mena, P., Cánovas, J. A., Micol, V., dan Saura, D. 2009. Vitamin C and the Role of Citrus Juices as Functional Food. *Natural Product Communications*. 4(5).
- Maskan, M. 2000. Kinetics of colour change of kiwifruits during hot air and microwave drying. *Journal of Food Engineering*. 48: 169–175.
- Matei, N. V., Magearu, S., Birghila, dan Dobrinas, S. 2004. The determination of vitamin C from sweet cherries and cherries. *Revista de Chimie*. 55(5):294–296.

- Maturin, L. dan Peeler, J. T. 2001. *Chapter 3: Aerobic Plate Count. In: Food and Drug Administration (FDA), Bacteriological Analytical Manual Online 8th Edition*. Silver Spring. Berlin.
- Maynard, D. 2000. *Cucumbers, melons, and watermelons. In K. F. Kiple (Ed.). The cambridge world history of food*. Cambridge University Press.
- Mkandawire, W., Ng'ong'ola-Manani, T.A., Kabambe, O.M., dan Kampanje-Phiri, J. 2016. Estimation of shelf life of mango juice produced using small-scale processing techniques. *Journal of Food Research*. 5(6).
- Moltó-Puigmartí, C., Permanyer, M., Castellote, A.I., dan López-Sabater, M.C. 2011. Effects of pasteurisation and high-pressure processing on vitamin C, tocopherols and fatty acids in mature human milk. *Food Chemistry*. 124(3): 697–702.
- Molyneux, P. 2004, The use of the stable free radical diphenylpicryl-hydrazyl (DPPH) for estimating antioxidant activity. *Songklanakarin J. Sci. Technol*. 26(2):211-21.
- Montesano, D., Rocchetti, G., Putnik, P., dan Lucini, L. 2018. Bioactive profile of pumpkin: an overview on terpenoids and their health-promoting properties. *Current Opinion in Food Science*. 22:81–87.
- Muchtadi, D. 1979. *Pengolahan Hasil Pertanian II Nabati*. Fatemeta IPB. Bogor.
- Muchtadi, D. 1989. *Evaluasi Nilai Gizi Pangan*. Pusat Antar Universitas Pangan dan Gizi. IPB. Bogor.
- Munekata, P. E. S. dan Lorenzo, J. M. 2016. Phenolic compounds of green tea: Health benefits and technological application in food. *Asian Pacific Journal of Tropical Biomedicine*. 6(8):709–719.
- Murray R. K., Granner, D. K., dan Rodwell V. W. 2009. *Biokimia Harper (Andri Hartono) Edisi 27*. Penerbit Buku Kedokteran EGC. Jakarta.
- Naidu, K. A. 2003. Vitamin C in human health and disease is still a mystery, an overview. *Noutrition Journal*. 2:7.

- Naiu, A. S. dan Yusuf, N. 2018. Nilai sensoris dan viskositas skin cream menggunakan gelatin tulang tuna sebagai pengemulsi dan humektan. *Jurnal Pengolahan Hasil Perikanan Indonesia*. 21(2).
- Nakilcioglu, E. dan Otles, T. 2020. Kinetic modelling of vitamin C losses in fresh citrus juices under different storage conditions. *An Acad Bras Cienc*. 92(2):e20190328.
- Nanda, M. A. 2015. Pengaruh lama pasteurisasi dan amplitudo terhadap kadar vitamin C dan penurunan jumlah mikroorganisme sari buah jeruk (*Citrus sinensis* Osbeck) pada proses pasteurisasi non-termal gelombang ultrasonik. *Jurnal Bioproses Komoditas Tropis*. 3(1).
- Nanda, M.A., Wahyunanto, A.N., Susilo, B. 2015. Pengaruh lama pasteurisasi dan amplitudo gelombang ultrasonik terhadap kadar vitamin C dan penurunan jumlah mikroorganisme pada sari buah jeruk (*Citrus sinensis* Osbeck) dengan proses pasteurisasi non-termal. *Jurnal Bioproses dan Komoditas Tropis*. 3(1).
- Nurliyana, R. Z. I., Syrd, S. K., Mustapha, M. R., Aisyah, R. K., Kamarul. 2010. Antioxidant study of pulps and peels of dragon fruits : a comparative study. *International Food Research Journal*. 17:367-375.
- Oktaviana, P.R. 2010. Kajian Kurkumoid, Total Fenol, dan Aktivitas Antioksidan Ekstrak Temulawak pada Berbagai Teknik Pengeringan dan Proporsi Pelarut. *Skripsi*. Fakultas Pertanian UNS.
- Olabisi, A. O. 2005. The chemistry of L-ascorbic acid derivatives in the asymmetric synthesis of C2- and C3-substituted aldono-gamma-lactones. *Thesis*. Wichita State University, College of Liberal Arts and Sciences, Dept. of Chemistry.
- Oms-Oliu, G., Odriozola-Serrano, I., Soliva-Fortuny, R., dan Martín-Belloso, O. 2009. Effects of high-intensity pulsed electric field processing conditions on lycopene, vitamin C and antioxidant capacity of watermelon juice. *Food Chemistry*. 115(4):1312–1319.
- Ortega, G. G., Silva, W. B. Petry, R. D. 2008. Flavonoid content assay: influence of the reagent concentration and reaction time on the spectrophotometric behavior of the aluminium chloride-flavonoid complex. *Pharmazie*. 56 (6): 465-470.

- Ozcan, A. A., Bayazit, L., Yilmaz-Ersan, dan Delikanli, B. 2014. Phenolic in human health. *International Journal of Chemical Engineering and Applications*. 5(5).
- Papuc, C. A., Pop., dan Serban, M. 2001. *Metode Analitice in Biochimia Veterinara*. Editura Printech Bucuresti. Romania.
- Pathare, P. B., Opara, U. L., dan Al-Said, F. A. J. 2012. Colour measurement and analysis in fresh and processed foods: a review. *Food and Bioprocess Technology*. 6(1):36–60.
- PDSIP. 2012. *Buletin Konsumsi Pangan 4:2*. Pusat Data Sistem Informasi Pertanian. Kementerian Pertanian.
- Perdana, A. 2010. Vitamin C Tinggi pada Buah. Diakses 8 Januari 2011. <http://www.adityaperdana.web.id/vitamin-c-tinggi-padabuah.html>
- Piliang, W. G. 2004. *Nutrisi Vitamin Vol I*. Pusat Antar Universitas Ilmu Hayati. Institut Pertanian Bogor.
- Potter, N. N. dan J. H. Hotchkiss. 1995. *Food Science 5th ed. Chapman and Hall*. New York.
- Prasetyo, A. R. 2014. Potensi Ekstrak Etanolik Kulit dan Daging Buah Melon (*Cucumis melo* L.) Kultivar Gama Melon Parfum sebagai Repellent Nyamuk *Culex quinquefasciatus* Say 1823 Vektor Penyakit Filariasis. *Skripsi*. Universitas Gadjah Mada. Yogyakarta.
- Saadah dan Teti Estiasih. 2015. Karakteristik Minuman Sari Apel Produksi Skala Mikro dan Kecil Di Kota Batu: Kajian Pustaka. *Jurnal Pangan dan Agroindustri*. 2:374-380.
- Sadecka, J., Polovka, M., Kolek, E. Belajova, E., Tobolkova, B., Dasko, L.. dan Durec, J. 2014. Orange juice with pulp: impact of pasteurization and storage on flavour, polyphenols, ascorbic acid and antioxidant activity. *Journal of Food and Nutrition Research*. 53:371-388.
- Safaryani. 2007. Pengaruh suhu dan lama penyimpanan terhadap penurunan kadar vitamin C brokoli (*Brassica oleracea* L.). *Jurnal Universitas Diponegoro Semarang*. 15(2).
- Sahin, S. dan Sumnu, S.G. 2009. *Advances in deep-fat frying of foods*. Boca Raton: CRC Press. USA.

- Sanchez-Moreno, C., Plaza, L., De Ancos, B. dan Cano, M.P. 2006. Nutritional characterization of commercial traditional pasteurized tomato juices: carotenoids, vitamin C and radical scavenging capacity. *Food Chem.* 98:749–756.
- Santoso, E. B. 2013. Pengaruh penambahan berbagai jenis dan konsentrasi susu terhadap sifat sensoris dan sifat fisikokimia puree labu kuning (*Cucurbita moschata*). *Jurnal Teknosains Pangan.* 2(3):15- 26.
- Sapei, L. dan Hwa, L. 2014. Study on the kinetics of vitamin C degradation in fresh strawberry juices. *Procedia Chemistry.* 9:62–68.
- Saravacos, G. D. 1970. Effect of temperature on viscosity of fruit juices and purees. *Journal of Food Science.* 35(2):122–125.
- Satuhu, S. 2004. *Penanganan dan Pengolahan Buah*. Penebar Swadaya, Jakarta.
- Silva, M. A., Albuquerque, T. G., Alves, R. C., Oliveira, M. B. P. P., and Costa, H. S. 2018. Melon (*Cucumis melo* L.) by-products: potential food ingredients for novel functional foods? *Trends in Food Science and Technology*: 0–1.
- Sodipo, M. A., Owolabi, A. T., dan Oluwajuyitan, T. D. 2019. Physico-chemical, antioxidant properties and sensory attributes of golden melon (*Cucumis melon* L.)-watermelon (*Citrullus lanatus*) juice blends. *Archives of Current Research International.* 18(3): 1-11.
- Sulaiman, A., Farid, M., dan Silva, F.V.M. 2016. Quality stability and sensory attributes of apple juice processed by thermosonication, pulsed electric field and thermal processing. *Food Science and Technology International* 0(0):1-12.
- Sutrisno, T. 1991. *Teknologi Penyediaan Air Bersih*. Jakarta: Rineka Cipta.
- Rabie, M. A., Soliman, A. Z., Diaconeasa, Z. A. S., Constantin, B. 2014. Effect of pasteurization and shelf life on the physicochemical properties of physalis (*Physalis peruviana* L.) juice. *Journal of Food Processing and Preservation.* 1-10.
- Raccach, M. dan Mellatdoust, M. 2007. The effect of temperature on microbial growth in orange juice. *Journal of Food Processing and Preservation.* 31(2): 129–142.

- Rachmawati, R., Defiani, M. R., Suriani, N. L. 2009. Pengaruh suhu dan lama penyimpanan terhadap kandungan vitamin C pada cabai rawit putih (*Capsicum frutescens*). *Jurnal Biologi Udayana*. 13(2).
- Rahayu, S., Dwi, Kusrini, Fachriyah, dan Enny. 2009. *Penentuan Aktivitas Antioksidan dari Ekstrak Etanol Daun Ketapang (Terminalia catappa L.) dengan Metode 1,1-Difenil-2-Pikrilhidrazil (DPPH)*. Seminar Tugas Akhir. Jurusan Kimia FMIPA UNDIP.
- Rahmawati, T.E. 2011. Aktivitas Antioksidan Minuman Serbuk Buah Buni (*Antidesma bunius* L. Spreng) pada Tingkat Kematangan yang Berbeda. Skripsi. Fakultas Ekologi Manusia. Institut Pertanian Bogor.
- Rawson, A., Patras, A., Tiwari, B. K., Noci, F., Koutchma, T., dan Brunton, N. 2011. Effect of thermal and non thermal processing technologies on the bioactive content of exotic fruits and their products: Review of recent advances. *Food Research International*. 44(7):1875-1887.
- Reddy, A., Norris, D. F., Momeni, S. S., Waldo, B., dan Ruby, J. D. 2016. The pH of beverages in the United States. *The Journal of the American Dental Association*. 147(4):255–263.
- Romanowski, P. dan Schueller, R. 2003. *Multifunctional Cosmetics*. Alberto Culver Company. Melrose Park, Illinois. U.S.A.
- Rosenau, M. J. 1912. *The Milk Question*. Cambridge. The Riverside Press.
- Saputri, A.P. Karakter Fenotip dan Deteksi Senyawa Cucurbitacin Melon (*Cucumis melo* L. ‘Gama Melon Parfum’) Hasil Pemuliaan. Skripsi. Fakultas Biologi UGM.
- Setyowati. 2004. *Pengaruh Lama Perebusan dan Konsentrasi Sukrosa terhadap Sifat Fisik, Kimia dan Organoleptik Sirup Kacang Hijau*. Skripsi. Fakultas Teknologi Pertanian. Universitas Brawijaya. Malang.
- Shadung, K. G., Mashela, P. W., dan Mphosi, M. S. 2016. Suitable Drying Temperature for Preserving Cucurbitacins in Fruit of Wild Cucumber and Wild Watermelon. *HortTechnology*. 26(6):816–819.

- Shen, Y., Zhang, H., Cheng, L., Wang, L., Qian, H., dan Qi, X. 2016. In vitro and in vivo antioxidant activity of polyphenols extracted from black highland barley. *Food Chemistry*. 194:1003–1012.
- Sulistiyowati, E., Martono, S., Riyanto, S., dan Lukitaningsih, E. 2018. Development and validation for free aglycones daidzein and genistein in soybeans (*Glycine Max* (L.) Merr.) using RP HPLC method. *International Journal of Current Pharmaceutical*. 11(2).
- Silva, C.L.M., Cruz, R.M.S., dan Vieira, M.C. 2016. Effect of heat and therosonation treatments on peroxidase inactivation kinetics in watercress (*Nasturtium officinale*). *Journal of Food Engineering*. 72(1): 8-15.
- Swadana, A.W. dan Yuwono, S. S. 2014. Pendugaan umur simpan minuman berperisa apel menggunakan metode accelerated shelf life testing (ASLT) dengan pendekatan Arrhenius. *Jurnal Pangan dan Agroindustri*. 2(3):203-213.
- Szutowska, J. dan Gwiazdowska, D. 2020. Probiotic potential of lactic acid bacteria obtained from fermented curly kale juice. *Archives of Microbiology*.
- Tannin-Spitz T., Bergman, M., Grossman, S. 2007. Cucurbitacin glucosides: antioxidant and free-radical scavenging activities. *Biochem Biophys Res Commun*. 364(1):181-6.
- Tensiska. 2008. *Serat Makanan*. Fakultas Teknologi Industri Pertanian. Universitas Padjajaran. Bandung.
- Teuscher, E. dan Lindequist, U. 2010. Biogene Gifte-Biologie, Chemie, Pharmakologie, 2. Auflage. *Triterpene*. 159-75.
- Tiwari, B. K., Muthukumarappan, K., O' Donnell, C. P., dan Cullen, P. J. 2008. Modelling colour degradation of orange juice by ozone treatment using response surface methodology. *Journal of Food Engineering*. 88(4):553–560.
- Tornberg, E. 2005. Effects of heat on meat proteins – Implications on structure and quality of meat products. *Meat Science*. 70(3):493–508.

Tranggono dan Sutardi. 1990. *Biokimia dan Teknologi Pasca Panen*. Gajah Mada University Press. Yogyakarta.

Turturică, M., Stănciuc, N., Bahrim, G., dan Râpeanu, G. 2016. Effect of thermal treatment on phenolic compounds from plum (*Prunus domestica*) extracts – A kinetic study. *Journal of Food Engineering*. 171:200–207.

Untung and Veronica. 2009. Studi Pemulsaan dan Dosis NPK pada Hasil Buah Melon. *Jurnal Sains dan Teknologi*. 2:2.

USDA (United State Departement of Agriculture). 2018. USDA National Nutrient Database for Standart Reference. www.nal.usda.gov/fnic/foodcomp/search/ (15 Juni 2019).

Vegara, S., Martí, N., Mena, P., Saura, D., dan Valero, M. 2013. Effect of pasteurization process and storage on color and shelf-life of pomegranate juices. *LWT-Food Science and Technology*. 54(2):592–596.

Vieira, F., Lourenço, S., Fidalgo, L., Santos, S., Silvestre, A., Jerónimo, E., dan Saraiva, J. 2018. Long-term effect on bioactive components and antioxidant activity of thermal and high-pressure pasteurization of orange juice. *Molecules*. 23(10):2706.

Vikram VB, Ramesh MN and Prapulla SG. Thermal degradation kinetics of nutrients in orange juice heated by electromagnetic and conventional methods. *Journal of Food Engineering* 2005: 69: 31–40.

Wahdaningsih, S., Setyowati, E. P., dan Wahyuono, S. 2011. Aktivitas penangkap radikal bebas dari batang pakis (*Alsophila glauca* J. Sm). *Majalah Obat Tradisional*. 16(3):156 -160.

Waisundara, V.Y., Perera, C. O, dan Barlow, P. J. 2007. Effect of different pre-treatments of fresh coconut kernels on some of the quality attributes of the coconut milk extracted. *J.Food Chemistry*. 101:771-777.

Walkowiak-Tomczak, D. 2007. Changes in antioxidant activity of black chokeberry juice concentrate solutions during storage. *Acta Scientiarum Polonorum Technologia Alimentaria*. 6(2).

- Wariyah, C. 2010. Vitamin C retention and acceptability of orange (*Citrus nobilis* var. microcarpa) juice during storage in refrigerator. *Jurnal AgriSains*. 1:1.
- Wei, C. 2019. *Lactic Acid Bacteria*. Bioengineering and Industrial Applications. Springer Nature Pte Ltd. and Science Press. Singapore.
- Wern, K.H, Haron, H., dan Keng, C.B. 2016. Comparison of Total Phenolic Contents (TPC) and antioxidant activities of fresh fruit juices, commercial 100% fruit juices and fruit drinks. *Sains Malaysiana*. 45(9): 1319–1327.
- Winarno, F.G. 2004. *Kimia Pangan dan Gizi*. Gramedia Pustaka Utama. Jakarta.
- Wonsawat, W. 2014. Determination of vitamin C (ascorbic acid) in orange juices product. *Journal of Materials and Metallurgical Engineering*. 8(6):623–625.
- Worthington, E. L. 1988. Understanding the values of religious clients: A model and its application to counseling. *Journal of Counseling Psychology*. 35(2):166–174.
- Xu, G.M., Zeng, D.L. Huang, C.L. Feng, S. Hu, M.H. Zhao, C. Lai, dan Wei, Z. 2007. Use of iron oxide nanomaterials in wastewater treatment: a review. *Sci. Total Environ*. 424:1-10.
- Xu, Z.; Lin, T.; Wang, Y.; dan Liao, X. 2015. Quality assurance in pepper and orange juice blend treated by high pressure processing and high temperature short time. *Innovative Food Science & Emerging Technologies*. 31:28–36.
- Yamaguchi, M., Hughes, D. L., Yabamoto, K., Jennings, W. G. 1977. Quality of cantaloupe muskmelons: variability and attributes. *Scientia Horticulturae, Amsterdam*. 6(1):59-70.
- Yanti, O., Sitti, A., dan Jamaluddin, S. 2012. Pengaruh lama penyimpanan dan konsentrasi natrium benzoate terhadap kadar vitamin C cabai merah (*Capsicum annuum* L). *Jurnal Akademika Kimia*. 1(4), 193-199.
- Youshaf, H. K, T., Shan, X., Chen, K., Ma, X., Shil, N., Desneux, A., Biondi, dan Gao, A. 2018. Impact of the secondary plant metabolite Cucurbitacin B on the demographical traits of the melon aphid, *Aphis gossypii*. *Scientific Reports*. 8:16473.

- Zhang, R., Khan, S. A., Lin, Y., Guo, D., Pan, X., Liu, L. 2018. Phenolic profiles and cellular antioxidant activity of longan pulp of 24 representative Chinese cultivars. *International Journal of Food Properties*. 21(1):746–759.
- Zhang, W., Luo, Z., Wang, A., Gu, X., Lv, Z. 2021. Kinetic models applied to quality change and shelf life prediction of kiwifruits. *LWT-Food Science and Technology*. 138.
- Zulfikar, M., Widya, F. S., Wibowo, A. W., Daryono, B. S., Widiyanto, S. 2020. Antioxidant activity of melon fruit (*Cucumis melo* L. GMP) ethanolic extract. *The 6th International Conference on Biological Science ICBS 2019 AIP Conference Proceedings* 2260.
- Zündorf, I. 2010. *Biogene Gifte*. Von Eberhard Teuscher und Ulrike Lindequist. *Pharmazie in Unserer Zeit*. 39(3):245–246.