

8. DAFTAR PUSTAKA

- Abdel-Salam, A. M., Ammar, A. S., & Galal, W. K. (2009). Evaluation and properties of formulated low calories functional yoghurt cake. *Journal of Food, Agriculture and Environment*, 7(2), 218–221.
- Abou-Arab, E. A., Abou-Arab, A., & Abu-Salem, F. (2010). Physyco-chemical Assesment of Natural Sweeteners Steviosides Produced from Stevia rebaudiana Bertoni Plant. *Journal of Food and Dairy Sciences*, 4(5), 269–281. <https://doi.org/10.21608/jfds.2009.115819>
- Adesh, A. B., Gopalakrishna, B., Akki Kusum, K., & Tiwari, O. (2012). An Overview on Stevia: A Natural Calorie Free Sweetener. *Ijapbc*, 1(3).
- Ahmad, U., & Ahmad, R. S. (2018). Nutritional, Physicochemical and Organoleptic Evaluation of Low Calorie Muffins Using Natural Sweetener Stevia (Stevia rebaudiana Bertoni). *Journal of Nutrition & Food Sciences*, 8(2). <https://doi.org/10.4172/2155-9600.1000673>
- Altemimi, A., Choudhary, R., Watson, D. G., & Lightfoot, D. A. (2015). Effects of ultrasonic treatments on the polyphenol and antioxidant content of spinach extracts. *Ultrasonics Sonochemistry*, 24, 247–255. <https://doi.org/10.1016/j.ulsonch.2014.10.023>
- Anton, S. D., Martin, C. K., Han, H., Coulon, S., Cefalu, W. T., Geiselman, P., & Williamson, D. A. (2010). Effects of stevia, aspartame, and sucrose on food intake, satiety, and postprandial glucose and insulin levels. *Appetite*, 55, 37–43. <https://doi.org/10.1016/j.appet.2010.03.009>
- Astuti, S. D., & Agustia, F. C. (2012). *Optimasi Formula dan Karakterisasi Cookies Fungsional Berbasis Kacang Merah dan Kedelai Organik dengan Penambahan Gula Stevia dan Kappa Karagenan*. UNSOED.
- Atteh, J., Onagbesan, O., Tona, K., Buyse, J., Decuypere, E., & Geuns, J. (2011). *Potential Use of Stevia rebaudiana in Animal Feeds*. 60(229), 133–136. <https://doi.org/10.4321/s0004-05922011000100015>
- Auerbach, M. H., Craig, S. A. S., Howlett, J. F., & Hayes, K. C. (2007). Caloric availability of polydextrose. *Nutrition Reviews*, 65(12), 544–549. <https://doi.org/10.1301/nr.2007.dec.544-549>
- Azevedo, B. M., Schmidt, F. L., & Bolini, H. M. A. (2015). High-intensity sweeteners in espresso coffee: Ideal and equivalent sweetness and time-intensity analysis. *International Journal of Food Science and Technology*, 50, 1374–1381. <https://doi.org/10.1111/ijfs.12774>

- Azzouz, A., & Ballesteros, E. (2015). Determination of 13 endocrine disrupting chemicals in environmental solid samples using microwave-assisted solvent extraction and continuous solid-phase extraction followed by gas chromatography-mass spectrometry. *Analytical and Bioanalytical Chemistry*. <https://doi.org/10.1007/s00216-015-9096-1>
- Besten, G. Den, Eunen, K. Van, Groen, A. K., Venema, K., Reijngoud, D., & Bakker, B. M. (2013). The role of short-chain fatty acids in the interplay between diet , gut microbiota , and host energy metabolism. *Journal of Lipid Research*, 54, 2325–2340. <https://doi.org/10.1194/jlr.R036012>
- Biguzzi, C., Schlich, P., & Lange, C. (2014). The impact of sugar and fat reduction on perception and liking of biscuits. *Food Quality and Preference*, 35, 41–47. <https://doi.org/10.1016/j.foodqual.2014.02.001>
- Blundell, J. E., Lawton, C. L., Cotton, J. R., & Macdiarmid, J. I. (1996). Control of human appetite: Implications for the intake of dietary fat. *Annual Review of Nutrition*, 16, 285–319. <https://doi.org/10.1146/annurev.nutr.16.1.285>
- Bukolt, K. F., Ramirez, N., Saenz, A., Mirza, K., Bhaduri, S., & Navder, K. (2019). Effect of Low Glycemic Index Stevia-Benefiber Sweetener on the Physical, Textural and Sensory Qualities of Oatmeal Raisin Cookies. *Journal of Food Processing & Technology*, 10(8). <https://doi.org/10.35248/2157-7110.19.10.804>
- Carbonell-Capella, J. M., Buniowska, M., Esteve, M. J., & Frígola, A. (2015). Effect of Stevia rebaudiana addition on bioaccessibility of bioactive compounds and antioxidant activity of beverages based on exotic fruits mixed with oat following simulated human digestion. *Food Chemistry*, 184, 122–130. <https://doi.org/10.1016/j.foodchem.2015.03.095>
- Chatsudhipong, V., & Muanprasat, C. (2009). Stevioside and related compounds: Therapeutic benefits beyond sweetness. *Pharmacology and Therapeutics*, 121, 41–54. <https://doi.org/10.1016/j.pharmthera.2008.09.007>
- Chughtai, M. J., Pasha, I., Zahoor, T., Khaliq, A., Ahsan, S., Wu, Z., Nadeem, M., Mehmood, T., Amir, R. M., Yasmin, I., Liaqat, A., & Tanweer, S. (2020). Nutritional and therapeutic perspectives of Stevia rebaudiana as emerging sweetener; a way forward for sweetener industry. *CYTA - Journal of Food*, 18(1), 164–177. <https://doi.org/10.1080/19476337.2020.1721562>
- Clos, J. F., DuBois, G. E., & Prakash, I. (2008). Photostability of rebaudioside A and stevioside in beverages. *Journal of Agricultural and Food Chemistry*, 56(18), 8507–8513. <https://doi.org/10.1021/jf801343e>
- Das, P. C., Rana, M. S., Saifullah, M., & Islam, M. N. (2018). Development of composite biscuits supplementing with potato or corn flour. *Fundamental and*

- Applied Agriculture*, 3(2), 453–459. <https://doi.org/10.5455/faa.292438>
- Edelstein, S., Smith, K., Gillis, N., Bruen, D., Ackerman, J., & Guiducci, G. (2007). Journal of Culinary Science & Comparisons of Six New Artificial Sweetener Gradation Ratios with Sucrose in Conventional-Method Cupcakes Resulting in Best Percentage Substitution Ratios. *Journal of Culinary Science & Technology*, 5(4), 61–74. <https://doi.org/10.1300/J385v05n04>
- Fatimah, S. (2012). *PERBEDAAN EFEK EKSTRAK ETANOL STEVIA (Stevia rebaudiana Bertoni M.) DIBANDINGKAN MADU TERHADAP PERUBAHAN KADAR GLUKOSA DARAH TIKUS WISTAR MODEL DIABETIK.*
- Fetricia, J. P., V, S., Saranya, V., Sarithra, S., & Tamilselvan, K. (2018). Uses of stevia (Stevia rebaudiana). ~ 247 ~ *Journal of Medicinal Plants Studies*, 6(2), 247–248. <http://www.plantsjournal.com/archives/2018/vol6issue2/PartD/6-2-43-926.pdf>
- Gallagher, E., O'Brien, C. M., Scannell, A. G. M., & Arendt, E. K. (2003). Evaluation of sugar replacers in short dough biscuit production. *Journal of Food Engineering*, 56, 261–263.
- Gao, J., Brennan, M. A., Mason, S. L., & Brennan, C. S. (2016). Original article Effect of sugar replacement with stevianna and inulin on the texture and predictive glycaemic response of muffins. *International Journal of Food Science and Technology*, 1–9. <https://doi.org/10.1111/ijfs.13143>
- Gao, J., Brennan, M. A., Mason, S. L., & Brennan, C. S. (2017). Effects of Sugar Substitution with “Stevianna” on the Sensory Characteristics of Muffins. *Journal of Food Quality*, 2017.
- Gardana, C., Scaglianti, M., & Simonetti, P. (2010). Evaluation of steviol and its glycosides in Stevia rebaudiana leaves and commercial sweetener by ultra-high-performance liquid chromatography-mass spectrometry. *Journal of Chromatography A*, 1217(9), 1463–1470. <https://doi.org/10.1016/j.chroma.2009.12.036>
- Gardana, C., Simonetti, P., Canzi, E., Zanchi, R., & Pietta, P. (2003). Metabolism of Stevioside and Rebaudioside A from Stevia rebaudiana Extracts by Human Microflora. *Journal of Agricultural and Food Chemistry*, 51(22), 6618–6622. <https://doi.org/10.1021/jf0303619>
- Gasmalla, M. A. A., Yang, R., Amadou, I., & Hua, X. (2014). Nutritional Composition of Stevia rebaudiana Bertoni Leaf: Effect of Drying Method. *Tropical Journal of Pharmaceutical Research*, 13(1), 61–65. <https://doi.org/10.4314/tjpr.v13i1.9>

- Gaynor, P. (2016). GRAS Exemption Claim for Steviol Glycosides from *Saccharomyces cerevisiae* Expressing Steviol Glycoside Biosynthesis Pathway. *GRAS Notice (GRN) No. 626*, 626. <https://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NoticeInventory/ucm505151.pdf>
- Geuns, J. M. C. (2003). Stevioside. *Phytochemistry*, 64, 913–921. [https://doi.org/10.1016/S0031-9422\(03\)00426-6](https://doi.org/10.1016/S0031-9422(03)00426-6)
- Geuns, J. M. C., Augustijns, P., Mols, R., Buyse, J. G., & Driessens, B. (2003). Metabolism of stevioside in pigs and intestinal absorption characteristics of stevioside, rebaudioside A and steviol. *Food and Chemical Toxicology*, 41, 1599–1607. [https://doi.org/10.1016/S0278-6915\(03\)00191-1](https://doi.org/10.1016/S0278-6915(03)00191-1)
- Geuns, J. M. C., Buyse, J., Vankeirsbilck, A., Temme, E. H. M., Compernolle, F., & Toppet, S. (2006). Identification of steviol glucuronide in human urine. *Journal of Agricultural and Food Chemistry*, 54(7), 2794–2798. <https://doi.org/10.1021/jf052693e>
- Geuns, J. M. C., Buyse, J., Vankeirsbilck, A., Temme, E. H. M., Compernolle, F., & Toppet, S. (2007). Metabolism of Stevioside by Healthy Subjects. *Experimental Biology and Medicine*, 164–173. <https://doi.org/10.1177/153537020623100901>
- Goyal, S. K., Samsher, & Goyal, R. K. (2010). Stevia (*Stevia rebaudiana*) a bio-sweetener: A review. *International Journal of Food Sciences and Nutrition*, 61(1), 1–10. <https://doi.org/10.3109/09637480903193049>
- Hazali, N., Mohamed, A., Ibrahim, M., Masri, M., Md Isa, K. A., Md Nor, N., Ayob, M. K., & Fadzlan, F. N. M. (2014). Effect of acute stevia consumption on blood glucose response in healthy malay young adults. *Sains Malaysiana*, 43(5), 649–654.
- Holscher, H. D., Caporaso, J. G., Hooda, S., Brulc, J. M., Jr, G. C. F., & Swanson, K. S. (2014). *Fiber supplementation influences phylogenetic structure and functional capacity of the human intestinal microbiome: follow-up of a randomized controlled trial*. 1–10. <https://doi.org/10.3945/ajcn.114.092064>.
- Hooda, S., Boler, B. M. V., Serao, M. C. R., Brulc, J. M., Staeger, M. A., Boileau, T. W., Dowd, S. E., Jr, G. C. F., & Swanson, K. S. (2012). 454 Pyrosequencing Reveals a Shift in Fecal Microbiota of Healthy Adult Men Consuming Polydextrose or Soluble Corn Fiber. *Journal of Nutrition*, 1259–1265. <https://doi.org/10.3945/jn.112.158766.were>
- Ignat, I., Volf, I., & Popa, V. I. (2011). A critical review of methods for characterisation of polyphenolic compounds in fruits and vegetables. *Food Chemistry*, 126, 1821–1835. <https://doi.org/10.1016/j.foodchem.2010.12.026>

- Jackson, A. U., Tata, A., Wu, C., Perry, R. H., Haas, G., West, L., & Cooks, R. G. (2009). Direct analysis of Stevia leaves for diterpene glycosides by desorption electrospray ionization mass spectrometry. *Analyst: Interdisciplinary Detection Science*, 134(5), 809–1012. <https://doi.org/10.1039/b823511b>
- Jaitak, V., Bandna, Singh, B., & Kaul, V. K. (2009). An efficient microwave-assisted extraction process of stevioside and rebaudioside-A from Stevia rebaudiana (Bertoni). *Phytochemical Analysis*, 20, 240–245. <https://doi.org/10.1002/pca.1120>
- Jaworska, K., Krynnitsky, A. J., & Rader, J. I. (2012). Simultaneous analysis of steviol and steviol glycosides by liquid chromatography with ultraviolet detection on a mixed-mode column: Application to stevia plant material and stevia-containing dietary supplements. *Journal of AOAC International*, 95(6), 1588–1596. <https://doi.org/10.5740/jaoacint.11-435>
- JECFA. (2017). Compendium of Food Additive Specifications. In *84th Meeting*. FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS & WORLD HEALTH ORGANIZATION. <https://doi.org/10.4060/ca7513en>
- Ji, J. bing, Lu, X. hong, Cai, M. qiang, & Xu, Z. chao. (2006). Improvement of leaching process of Geniposide with ultrasound. *Ultrasonics Sonochemistry*, 13, 455–462. <https://doi.org/10.1016/j.ultsonch.2005.08.003>
- Karp, S., Wyrwisz, J., Kurek, M. A., & Wierzbicka, A. (2017). Combined use of cocoa dietary fibre and steviol glycosides in low-calorie muffins production. *International Journal of Food Science and Technology*, 52, 944–953. <https://doi.org/10.1111/ijfs.13358>
- Karp, S., Wyrwisz, J., Kurek, M., & Wierzbicka, A. (2016). Physical properties of muffins sweetened with steviol glycosides as the sucrose replacement. *Food Science and Biotechnology*, 25(6), 1591–1596. <https://doi.org/10.1007/s10068-016-0245-x>
- Kim, I. S., Yang, M., Lee, O. H., & Kang, S. N. (2011). The antioxidant activity and the bioactive compound content of Stevia rebaudiana water extracts. *LWT - Food Science and Technology*, 44(5), 1328–1332. <https://doi.org/10.1016/j.lwt.2010.12.003>
- Knorr, D., Zenker, M., Heinz, V., & Lee, D. U. (2004). Applications and potential of ultrasonics in food processing. *Trends in Food Science and Technology*, 15, 261–266. <https://doi.org/10.1016/j.tifs.2003.12.001>
- Kolb, N., Herrera, J. L., Ferreyra, D. J., & Uliana, R. F. (2001). Analysis of sweet diterpene glycosides from Stevia rebaudiana: Improved HPLC method. *Journal of Agricultural and Food Chemistry*, 49(10), 4538–4541.

<https://doi.org/10.1021/jf010475p>

- Koyama, E., Sakai, N., Ohori, Y., Kitazawa, K., Izawa, O., Kakegawa, K., Fujino, A., & Ui, M. (2003). Absorption and metabolism of glycosidic sweeteners of stevia mixture and their aglycone, steviol, in rats and humans. *Food and Chemical Toxicology*, 41, 875–883. [https://doi.org/10.1016/S0278-6915\(03\)00039-5](https://doi.org/10.1016/S0278-6915(03)00039-5)
- Kroyer, G. (2010). Stevioside and Stevia-sweetener in Food: Application, Stability and Interaction with Food Ingredients. *Journal of Consumer Protection and Food Safety*, 5(2), 225–229. <https://doi.org/10.1007/s00003-010-0557-3>
- Kulthe, A. A., Pawar, V. D., Kotecha, P. M., Chavan, U. D., & Bansode, V. V. (2014). Development of high protein and low calorie cookies. *Journal of Food Science and Technology*, 51(1), 153–157. <https://doi.org/10.1007/s13197-011-0465-2>
- Kumari, N., Rana, R. C., Sharma, Y. P., & Kumar, S. (2016). Dynamics of steviol glycosides (stevioside and rebaudioside-A) with growth and development of Stevia rebaudiana Bertoni. *Journal of Applied and Natural Science*, 8(4), 1953–1958. <https://doi.org/10.31018/jans.v8i4.1069>
- Latifah, A. T. W., Hidayati, N., Sofyan, A., Fuadi, A. M., & Harismah, K. (2015). PREPARATION OF MODIFIED AGAR BY USING SWEET POTATO AND STEVIA (Stevia rebaudiana BERTONI) AS NON CALORIE SWEETENER. *University Research Colloquium*. https://publikasiilmiah.ums.ac.id/bitstream/handle/11617/5159/KATEGORI_C.pdf?sequence=2&isAllowed=y
- Lee, R. E., Rini, E. A., Astuti, S., & Setyawan, E. Y. (2019). African-Stevia Leaves Herbal Tea as a Low Calorie Antioxidant Source. *European Journal of Engineering Research and Science*, 4(12). <https://doi.org/10.24018/ejers.2019.4.12.1462>
- Lin, S., Lee, C., Mau, J., Lin, L., & Chiou, S. (2010). Effect of Erythritol on Quality Characteristics of Reduced-Calorie Danish Cookies. 33, 14–26. <https://doi.org/10.1111/j.1745-4557.2010.00307.x>
- Liu, J., Li, J. wei, & Tang, J. (2010). Ultrasonically assisted extraction of total carbohydrates from Stevia rebaudiana Bertoni and identification of extracts. *Food and Bioproducts Processing*, 88, 215–221. <https://doi.org/10.1016/j.fbp.2009.12.005>
- Loebach, D. V. (1975). *The Relationship Between Particle Size and Molecular Weight in Emulsion Polymerization*. 130.
- Louie, K. B., Kosina, S. M., Hu, Y., Otani, H., de Raad, M., Kuftin, A. N.,

- Mouncey, N. J., Bowen, B. P., & Northen, T. R. (2020). Mass Spectrometry for Natural Product Discovery. In *Comprehensive Natural Products III: Chemistry and Biology* (3rd ed.). Elsevier Ltd. <https://doi.org/10.1016/b978-0-12-409547-2.14834-6>
- Luque-García, J. L., & Luque De Castro, M. D. (2003). Ultrasound: A powerful tool for leaching. *TrAC - Trends in Analytical Chemistry*, 22(1), 41–47. [https://doi.org/10.1016/S0165-9936\(03\)00102-X](https://doi.org/10.1016/S0165-9936(03)00102-X)
- Luque-García, J. L., & Luque De Castro, M. D. (2004). Ultrasound-assisted Soxhlet extraction: An expeditive approach for solid sample treatment - Application to the extraction of total fat from oleaginous seeds. *Journal of Chromatography A*, 1034, 237–242. <https://doi.org/10.1016/j.chroma.2004.02.020>
- Ma, Y., Ye, X., Hao, Y., Xu, G., Xu, G., & Liu, D. (2008). Ultrasound-assisted extraction of hesperidin from Penggan (*Citrus reticulata*) peel. *Ultrasonics Sonochemistry*, 15, 227–232. <https://doi.org/10.1016/j.ultsonch.2007.03.006>
- Magnuson, B. A., Carakostas, M. C., Moore, N. H., Poulos, S. P., & Renwick, A. G. (2016). Biological fate of low-calorie sweeteners. *Nutrition Reviews*, 74(11), 670–689. <https://doi.org/10.1093/nutrit/nuw032>
- Manisha, G., Soumya, C., & Indrani, D. (2012). Food Hydrocolloids Studies on interaction between stevioside , liquid sorbitol, hydrocolloids and emulsifiers for replacement of sugar in cakes. *Food Hydrocolloids*, 29, 363–373. <https://doi.org/10.1016/j.foodhyd.2012.04.011>
- Mariotti, M., & Alamprese, C. (2012). About the use of different sweeteners in baked goods . In fl uence on the mechanical and rheological properties of the doughs. *LWT - Food Science and Technology*, 48, 9–15. <https://doi.org/10.1016/j.lwt.2012.03.001>
- Marlina, D. A., & Widiastuti, D. E. (2018). PEMBUATAN GULA CAIR RENDAH KALORI Dari Daun Stevia Rebaudiana Bertoni Secara Ekstraksi Padat-Cair. *Industrial Research Workshop and National Seminar*, 9.
- Martinez-Cervera, S., Sanz, T., Salvador, A., & Fiszman, S. M. (2012). Rheological , textural and sensorial properties of low-sucrose muf fins reformulated with sucralose / polydextrose. *LWT - Food Science and Technology*, 45, 213–220. <https://doi.org/10.1016/j.lwt.2011.08.001>
- Martins, P. M., Thorat, B. N., Lanchote, A. D., & Freitas, L. A. P. (2016). Green extraction of glycosides from Stevia rebaudiana (Bert.) with low solvent consumption: A desirability approach. *Resource-Efficient Technologies*, 2, 247–253. <https://doi.org/10.1016/j.refft.2016.11.007>
- Mooradian, A. D., Smith, M., & Tokuda, M. (2017). The Role of Artificial and

- Natural Sweeteners in Reducing The Consumption of Table Sugar: A Narrative Review. *Clinical Nutrition ESPEN*, 18, 1–8. <https://doi.org/10.1016/j.clnesp.2017.01.004>
- Moryson, M. K.-, & Michałowska, A. G.-. (2015). Directions on The Use of Stevia Leaves (Stevia rebaudiana) as an Additive in Food Products. *Acta Sci. Pol. Technol. Aliment.*, 14(1), 5–13.
- Musa, A., Miao, M., Gasmalla, M., Zhang, T., Eibaid, A., Aboshora, W., & Jiang, B. (2014). Stability of Stevioside and Glucosyl-Stevioside under Acidic Conditions and its Degradation Products. *Journal of Food and Nutrition Research*, 2(4), 198–203. <https://doi.org/10.12691/jfnr-2-4-11>
- Mustafa, A., & Turner, C. (2011). Pressurized liquid extraction as a green approach in food and herbal plants extraction: A review. *Analytica Chimica Acta*, 703, 8–18. <https://doi.org/10.1016/j.aca.2011.07.018>
- Németh, & Jánosi, S. Z. (2019). Extraction of steviol glycosides from dried stevia rebaudiana by pressurized hot water extraction. *Acta Alimentaria*, 48(2), 241–252. <https://doi.org/10.1556/066.2019.48.2.12>
- Odgen, C. L., Carroll, M. D., & Flegal, K. M. (2008). *High Body Mass Index for Age Among US Children and Adolescents, 2003-2006*. 299(20), 2401–2405.
- Ozougwu, Obimba, Belonwu, & Unakalamba. (2013). The Pathogenesis and Pathophysiology of Type 1 and Type 2 Diabetes Mellitus. *Journal of Physiology and Pathophysiology*, 4(4), 46–57. <https://doi.org/10.5897/jpap2013.0001>
- Pareyt, B., & Delcour, J. A. (2008). The Role of Wheat Flour Constituents , Sugar , and Fat in Low Moisture Cereal Based Products : A Review on The Role of Wheat Flour Constituents , Sugar , and Fat in Low Moisture Cereal Based Products : A Review on Sugar-Snap Cookies. *Critical Reviews in Food Science and Nutrition*, 48, 824–839. <https://doi.org/10.1080/10408390701719223>
- Pareyt, B., Talhaoui, F., Kerckhofs, G., Brijs, K., Goesaert, H., Wevers, M., & Delcour, J. A. (2009). The role of sugar and fat in sugar-snap cookies: Structural and textural properties. *Journal of Food Engineering*, 90, 400–408. <https://doi.org/10.1016/j.jfoodeng.2008.07.010>
- Pathare, P. B., Opara, U. L., & Al-said, F. A. (2012). Colour Measurement and Analysis in Fresh and Processed Foods: A Review. *Food Bioprocess Technology*. <https://doi.org/10.1007/s11947-012-0867-9>
- Philippe, R. N., De Mey, M., Anderson, J., & Ajikumar, P. K. (2014). Biotechnological Production of Natural Zero-Calorie Sweeteners. *Current*

Opinion in Biotechnology, 26, 155–161.
<https://doi.org/10.1016/j.copbio.2014.01.004>

Pól, J., Hohnová, B., & Hyötyläinen, T. (2007). Characterisation of Stevia Rebaudiana by comprehensive two-dimensional liquid chromatography time-of-flight mass spectrometry. *Journal of Chromatography A*, 1150, 85–92. <https://doi.org/10.1016/j.chroma.2006.09.008>

Poojary, M. M., Barba, F. J., Aliakbarian, B., Donsì, F., Pataro, G., Dias, D. A., & Juliano, P. (2016). Innovative alternative technologies to extract carotenoids from microalgae and seaweeds. *Marine Drugs*, 14(214), 1–34. <https://doi.org/10.3390/md14110214>

Prakash, I., Markosyan, A., & Bunders, C. (2014). Development of Next Generation Stevia Sweetener: Rebaudioside M. *Foods*, 3, 162–175. <https://doi.org/10.3390/foods3010162>

Prayudo, A. N., Novian, O., Setyadi, & Antaresti. (2015). Jurnal Ilmiah Widya Teknik. *Ilmiah Widya Teknik*, 14(1), 1412–7350.

Puri, M., Sharma, D., Barrow, C. J., & Tiwary, A. K. (2012). Optimisation of novel method for the extraction of steviosides from Stevia rebaudiana leaves. *Food Chemistry*, 132, 1113–1120. <https://doi.org/10.1016/j.foodchem.2011.11.063>

Puri, M., Sharma, D., & Tiwari, A. K. (2011). Downstream processing of stevioside and its potential applications. *Biotechnology Advances*, 29, 781–791. <https://doi.org/10.1016/j.biotechadv.2011.06.006>

Purkayastha, S., Pugh, G., Lynch, B., Roberts, A., Kwok, D., & Tarka Jr., S. M. (2014). In Vitro Metabolism of Rebaudioside B, D, and M Under Anaerobic Conditions: Comparison with Rebaudioside A. *Regulatory Toxicology and Pharmacology*, 68(2), 259–268. <https://doi.org/10.1016/j.yrtph.2013.12.004>

Purwanti, H., Mardinah, & Amalia, L. (2015). Penggunaan Stevia (setevia rebaudiana) sebagai Antimikroba pada Produk Minuman The. *Jurnal Agroindustri Halal*, 1(2).

Raini, M., & Isnawati, A. (2011). Kajian: Khasiat Dan Keamanan Stevia Sebagai Pemanis Pengganti Gula. *Media of Health Research and Development*, 21(4). <https://doi.org/10.22435/mpk.v21i4Des.50>.

Rana, M. S., Das, P. C., Yeasmin, F., & Islam, M. N. (2020). Effect of Polydextrose And Stevia on Quality Characteristics of Low-Calorie Biscuits. *Food Research*, 4(6). [https://doi.org/10.26656/fr.2017.4\(6\).223](https://doi.org/10.26656/fr.2017.4(6).223)

Rao, M. V. (2017). Steviol Glycosides. 84 Th JECFA - Chemical and Technical Assessment (CTA), 2017 by Food and Agriculture Organization (FAO), 1–20.

- Ratnani, R. D., & Anggraeni, R. (2005). *EKSTRAKSI GULA STEVIA DARI TANAMAN STEVIA Rebaudiana Bertoni*. 1(2), 27–32.
- Routray, W., & Orsat, V. (2012). Microwave-Assisted Extraction of Flavonoids: A Review. *Food and Bioprocess Technology*, 5, 409–424. <https://doi.org/10.1007/s11947-011-0573-z>
- Samuel, P., Ayoob, K. T., Magnuson, B. A., Wölwer-Rieck, U., Jeppesen, P. B., Rogers, P. J., Rowland, I., & Mathews, R. (2018). Stevia Leaf to Stevia Sweetener: Exploring Its Science, Benefits, and Future Potential. *The Journal of Nutrition*. <https://doi.org/10.1093/jn/nxy102>
- Saraiva, A., Carrascosa, C., Raheem, D., Ramos, F., & Raposo, A. (2020). Natural sweeteners: The Relevance of Food Naturalness For Consumers, Food Security Aspects, Sustainability and Health Impacts. *International Journal of Environmental Research and Public Health*, 17(17), 1–22. <https://doi.org/10.3390/ijerph17176285>
- Šarić, B. M., Nedeljković, N. M., Šimurina, O. D., Pestorić, M. V., Kos, J. J., Mandić, A. I., Sakač, M. B., Šarić, L. Ć., Psodorov, Đ. B., & Mišan, A. Ć. (2014). The Influence of Baking Time and Temperature on Characteristics of Gluten Free Cookies Enriched with Blueberry Pomace. *Food and Feed Research*, 41(1), 39–46.
- Shi, B.-Y. (2016). The Importance and Strategy of Diabetes Prevention. *Chronic Diseases and Translational Medicine*, 2(4), 1–4. <https://doi.org/10.1016/j.cdtm.2016.11.013>
- Sholihah, M. (2017). Aplikasi Gelombang Ultrasonik untuk Meningkatkan Rendemen Ekstraksi dan Efektivitas Antioksi dan Kulit Manggis. *Jurnal Keteknikan Pertanian*, 5(2), 161–168.
- Silva, G. E. C. da, Assef, A. H., Albino, C. C., Ferri, L. D. A. F., Tasin, G., Takahashi, M. H., Eik Filho, W., & Bazotte, R. B. (2006). Investigation of the tolerability of oral stevioside in Brazilian hyperlipidemic patients. *Brazilian Archives of Biology and Technology*, 49(4). <https://doi.org/10.1590/s1516-89132006000500007>
- Sinala, S., & Junaedi. (2020). Dasar-dasar Farmasi Fisika dan Sifat Fisika Molekul. *Farmasi Fisika*, 1, 1–147. file:///C:/Users/CINDY/Downloads/07-Farmasi-Fisik-E1_Reviewed_adhi.pdf
- Sinta, M. M., & Sumaryono. (2019). Pertumbuhan, Produksi Biomassa, dan Kandungan Glikosida Steviol pada Lima Klon Stevia Introduksi di Bogor, Indonesia. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, 47(1), 105–110. <https://doi.org/10.24831/jai.v47i1.20653>

- Struck, S., Jaros, D., Brennan, C. S., & Rohm, H. (2014). Sugar replacement in sweetened bakery goods. *International Journal of Food Science and Technology*, 1–14. <https://doi.org/10.1111/ijfs.12617>
- Szczesniak, A. S. (2002). Texture is a sensory property. *Food Quality and Preference*, 13, 215–225.
- Talebi, S., Duchateau, R., Rastogi, S., Kaschta, J., Peters, G. W. M., & Lemstra, P. J. (2010). Molar Mass and Molecular Weight Distribution Determination Of UHMWPE Synthesized Using a Living Homogeneous Catalyst. *Macromolecules*, 43(6), 2780–2788. <https://doi.org/10.1021/ma902297b>
- Vatankhah, M., Garavand, F., Elhamirad, A., & Yaghbani, M. (2015). Influence of sugar replacement by stevioside on physicochemical and sensory properties of biscuit. *Quality Assurance and Safety of Crops and Foods*, 7(3), 393–400. <https://doi.org/10.3920/QAS2014.0396>
- Vernès, L., Vian, M., & Chemat, F. (2020). Ultrasound and microwave as green tools for solid-liquid extraction. In *Liquid-Phase Extraction* (Chapter 12). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-816911-7.00012-8>
- Vinatoru, M., Mason, T. J., & Calinescu, I. (2017). Ultrasonically assisted extraction (UAE) and microwave assisted extraction (MAE) of functional compounds from plant materials. *TrAC - Trends in Analytical Chemistry*, 97, 159–178. <https://doi.org/10.1016/j.trac.2017.09.002>
- Wang, W., Chen, W., Zou, M., Lv, R., Wang, D., Hou, F., Feng, H., Ma, X., Zhong, J., Ding, T., Ye, X., & Liu, D. (2018). Applications of power ultrasound in oriented modification and degradation of pectin: A review. *Journal of Food Engineering*, 234, 98–107. <https://doi.org/10.1016/j.jfoodeng.2018.04.016>
- Wen, C., Zhang, J., Zhang, H., Dzah, C. S., Zandile, M., Duan, Y., Ma, H., & Luo, X. (2018). Advances in ultrasound assisted extraction of bioactive compounds from cash crops – A review. *Ultrasonics-Sonochemistry*, 48, 538–549. <https://doi.org/10.1016/j.ultsonch.2018.07.018>
- Yang, Z., Uhler, B., & Lipkie, T. (2019). Microwave-Assisted Subcritical Water Extraction of Steviol Glycosides from Stevia rebaudiana Leaves. *Natural Product Communications*, 1–4. <https://doi.org/10.1177/1934578X19860003>
- Yilmaz, F. M., Görgüç, A., Uygun, Ö., & Bircan, C. (2020). Steviol glycosides and polyphenols extraction from Stevia rebaudiana Bertoni leaves using maceration, microwave-, and ultrasound-assisted techniques. *Separation Science and Technology (Philadelphia)*, 1–13. <https://doi.org/10.1080/01496395.2020.1743311>
- Yoshioka, M., Shimomura, Y., & Suzuki, M. (1994). Dietary Polydextrose Affects

- the Large Intestine in Rats. *Nutrient Metabolism*, 539–547.
- Zahn, S., Forker, A., Krügel, L., & Rohm, H. (2013). Combined Use of Rebaudioside A and Fibres for Partial Sucrose Replacement in Muffins. *LWT - Food Science and Technology*, 50, 695–701. <https://doi.org/10.1016/j.lwt.2012.07.026>
- Zhou, W., & Hui, Y. H. (2014). *Bakery Products Science and Technology* (W. Zhou (ed.); Second Edi). John Wiley & Sons, Ltd Registered.
- Žlabur, J. Š., Voća, S., Dobričević, N., Brnčić, M., Dujmić, F., & Brnčić, S. R. (2015). Optimization of ultrasound assisted extraction of functional ingredients from Stevia rebaudiana Bertoni leaves. *International Agrophysics*, 29, 231–237. <https://doi.org/10.1515/intag-2015-0017>
- Zoulias, E. I., Oreopoulou, V., & Tzia, C. (2000). International Journal of Food Effect of fat mimetics on physical, textural, and sensory properties of cookies. *International Journal of Food Pr*, 3(3), 385–397. <https://doi.org/10.1080/10942910009524643>
- Zoulias, E. I., Oreopoulou, V., & Tzia, C. (2002). Textural properties of low-fat cookies containing carbohydrate- or protein-based fat replacers. *Journal of Food Engineering*, 55, 337–342.