

5. DAFTAR PUSTAKA

- Accomando, S., & Cataldo, F. (2004). The global village of celiac disease. *Digestive and Liver Disease*, 36(7), 492–498. <https://doi.org/10.1016/j.dld.2004.01.026>
- Almeida, N. T., Schmidt, H., & De Oliveira, V. R. (2014). Physicochemical profile and sensory evaluation of cakes with flaxseed and yacon flour associated to sweeteners. *Boletim Centro de Pesquisa de Processamento de Alimentos*, 32(1), 135–144. <https://doi.org/10.5380/cep.v32i1.36988>
- Al-Mashhadani, W. M. (2009). Celiac disease is a member of oxidative stress syndrome. *Iraqi Journal of Community Medicine*, 22(2), 88–91.
- Alvarez, M. D., Herranz, B., Fuentes, R., Cuesta, F. J., & Canet, W. (2017). Replacement of Wheat Flour by Chickpea Flour in Muffin Batter: Effect on Rheological Properties. *Journal of Food Process Engineering*, 40(2), 1–13. <https://doi.org/10.1111/jfpe.12372>
- Alvarez, M. D., Herranz, B., Jiménez, M. J., & Canet, W. (2017). End-product quality characteristics and consumer response of chickpea flour-based gluten-free muffins containing corn starch and egg white. *Journal of Texture Studies*, 48(6), 550–561. <https://doi.org/10.1111/jtxs.12263>
- Amin, T., Naik, H. R., Hussain, S. Z., Rather, S. A., Makroo, H. A., Dar, B. N., ... Bashir, O. (2021). Functional cake from rice flour subjected to starch hydrolyzing enzymes: Physicochemical properties and in vitro digestibility. *Food Bioscience*, 42(December 2020), 101072. <https://doi.org/10.1016/j.fbio.2021.101072>
- Ang, S., Kogulanathan, J., Morris, G. A., Kök, M. S., Shewry, P. R., Tatham, A. S., ... Harding, S. E. (2010). Structure and heterogeneity of gliadin: A hydrodynamic evaluation. *European Biophysics Journal*, 39(2), 255–261. <https://doi.org/10.1007/s00249-009-0529-7>
- Arnold, A., Jonathan, T., Trisnawati, C. Y., & Sutedja, A. M. (2016). Pengurangan Kuning Telur pada Beberapa Konsentrasi Gum Xanthan... *Jurnal Agroteknologi* Vol. 10 No. 01 (2016). *Agroteknologi*, 10(01).
- Balakireva, A. V., & Zamyatnin, A. A. (2016). Properties of gluten intolerance: Gluten structure, evolution, pathogenicity and detoxification capabilities. *Nutrients*, 8(10). <https://doi.org/10.3390/nu8100644>

- Bascuñán, K. A., Vespa, M. C., & Araya, M. (2017). Celiac disease: understanding the gluten-free diet. *European Journal of Nutrition*, *56*(2), 449–459. <https://doi.org/10.1007/s00394-016-1238-5>
- Beckett, C. G., Dell'Olio, D., Kontakou, M., Przemioslo, R. T., Rosen-Bronson, S., & Ciclitira, P. J. (1996). Analysis of interleukin-4 and interleukin-10 and their association with the lymphocytic infiltrate in the small intestine of patients with coeliac disease. *Gut*, *39*(6), 818–823. <https://doi.org/10.1136/gut.39.6.818>
- Beninger, C. W., & Hosfield, G. L. (2003). Antioxidant Activity of Extracts, Condensed Tannin Fractions, and Pure Flavonoids from *Phaseolus vulgaris* L. Seed Coat Color Genotypes. *Journal of Agricultural and Food Chemistry*, *51*(27), 7879–7883. <https://doi.org/10.1021/jf0304324>
- Benyacoub, J., Rochat, F., Saudan, K. Y., Rochat, I., Antille, N., Cherbut, C., ... Blum, S. (2008). Feeding a diet containing a fructooligosaccharide mix can enhance *Salmonella* vaccine efficacy in mice. *Journal of Nutrition*, *138*(1), 123–129. <https://doi.org/10.1093/jn/138.1.123>
- Berg, D. J., Davidson, N., Kühn, R., Müller, W., Menon, S., Holland, G., ... Rennick, D. (1996). Enterocolitis and colon cancer in interleukin-10-deficient mice are associated with aberrant cytokine production and CD4⁺ Th1-like responses. *Journal of Clinical Investigation*, *98*(4), 1010–1020. <https://doi.org/10.1172/JCI118861>
- Bibas Bonet, M. E., Meson, O., de Moreno de LeBlanc, A., Dogi, C. A., Chaves, S., Kortsarz, A., ... Perdigon, G. (2010). Prebiotic effect of yacon (*Smallanthus sonchifolius*) on intestinal mucosa using a mouse model. *Food and Agricultural Immunology*, *21*(2), 175–189. <https://doi.org/10.1080/09540100903563589>
- Boots, A. W., Haenen, G. R. M. M., & Bast, A. (2008). Health effects of quercetin: From antioxidant to nutraceutical. *European Journal of Pharmacology*, *585*(2–3), 325–337. <https://doi.org/10.1016/j.ejphar.2008.03.008>
- Budi, N. S., Praptiningsih, Y., & Maryanto. (2019). KARAKTERISTIK CAKE YANG DIBUAT DENGAN SUBSTITUSI CAMPURAN TEPUNG PISANG BATU (*Musa balbisiana colla*) DAN UBI JALAR KUNING (*Ipomea batatus L.*) Characteristics of Cakes Made by Substitution Mixture of Balbisiana Banana and Yellow Sweet Flour Potato Nugro. *Berkala Ilmiah PERTANIAN*, *2*, 56–60.
- Caetano, B. F. R., de Moura, N. A., Almeida, A. P. S., Dias, M. C., Sivieri, K., &

- Barbisan, L. F. (2016). Yacon (*Smallanthus sonchifolius*) as a food supplement: Health-promoting benefits of fructooligosaccharides. *Nutrients*, 8(7). <https://doi.org/10.3390/nu8070436>
- Cardozo, M. L., Ordoñez, R. M., Zampini, I. C., Cuello, A. S., Dibenedetto, G., & Isla, M. I. (2010). Evaluation of antioxidant capacity, genotoxicity and polyphenol content of non conventional foods: Prosopis flour. *Food Research International*, 43(5), 1505–1510. <https://doi.org/10.1016/j.foodres.2010.04.004>
- Cataldo, F., Marino, V., Bottaro, G., Greco, P., & Ventura, A. (1997). Celiac disease and selective immunoglobulin A deficiency. *Journal of Pediatrics*, 131(2), 306–308. [https://doi.org/10.1016/S0022-3476\(97\)70172-0](https://doi.org/10.1016/S0022-3476(97)70172-0)
- Cattaneo, F., Costamagna, M. S., Zampini, I. C., Sayago, J., Alberto, M. R., Chamorro, V., ... Isla, M. I. (2016). Flour from *Prosopis alba* cotyledons: A natural source of nutrient and bioactive phytochemicals. *Food Chemistry*, 208, 89–96. <https://doi.org/10.1016/j.foodchem.2016.03.115>
- Cattaneo, Florencia, Roco, J., Alarcón, G., Isla, M. I., & Jeréz, S. (2019). *Prosopis alba* seed flour improves vascular function in a rabbit model of high fat diet-induced metabolic syndrome. *Heliyon*, 5(8). <https://doi.org/10.1016/j.heliyon.2019.e01967>
- Cattaneo, Florencia, Sayago, J. E., Alberto, M. R., Zampini, I. C., Ordoñez, R. M., Chamorro, V., ... Isla, M. I. (2014). Anti-inflammatory and antioxidant activities, functional properties and mutagenicity studies of protein and protein hydrolysate obtained from *Prosopis alba* seed flour. *Food Chemistry*, 161, 391–399. <https://doi.org/10.1016/j.foodchem.2014.04.003>
- Choi, K. M., Lee, J., Lee, K. W., Seo, J. A., Oh, J. H., Kim, S. G., ... Baik, S. H. (2004). Comparison of serum concentrations of C-reactive protein, TNF- α , and interleukin 6 between elderly Korean women with normal and impaired glucose tolerance. *Diabetes Research and Clinical Practice*, 64(2), 99–106. <https://doi.org/10.1016/j.diabres.2003.10.007>
- Choque Delgado, Grethel T., Thomé, R., Gabriel, D. L., Tamashiro, W. M. S. C., & Pastore, G. M. (2012). Yacon (*Smallanthus sonchifolius*)-derived fructooligosaccharides improves the immune parameters in the mouse. *Nutrition Research*, 32(11), 884–892. <https://doi.org/10.1016/j.nutres.2012.09.012>
- Choque Delgado, Grethel Teresa, da Silva Cunha Tamashiro, W. M., Maróstica Junior,

- M. R., & Pastore, G. M. (2013). Yacon (*Smallanthus sonchifolius*): A Functional Food. *Plant Foods for Human Nutrition*, 68(3), 222–228. <https://doi.org/10.1007/s11130-013-0362-0>
- Cid-Gallegos, M. S., Sánchez-Chino, X. M., Álvarez-González, I., Madrigal-Bujaidar, E., Vásquez-Garzón, V. R., Baltiérrez-Hoyos, R., ... Jiménez-Martínez, C. (2020). Modification of in vitro and in vivo antioxidant activity by consumption of cooked chickpea in a colon cancer model. *Nutrients*, 12(9), 1–22. <https://doi.org/10.3390/nu12092572>
- Edema, M. O., Sanni, L. O., & Sanni, A. I. (2005). Evaluation of maize-soybean flour blends for sour maize bread production in Nigeria. *African Journal of Biotechnology*, 4(9), 911–918. <https://doi.org/10.4314/ajb.v4i9.71122>
- Fasano, A., Not, T., Wang, W., Uzzau, S., Berti, I., Tommasini, A., & Goldblum, S. E. (2000). Zonulin, a newly discovered modulator of intestinal permeability, and its expression in coeliac disease. *Lancet*, 355(9214), 1518–1519. [https://doi.org/10.1016/S0140-6736\(00\)02169-3](https://doi.org/10.1016/S0140-6736(00)02169-3)
- Geronikaki, A., & Gavalas, A. (2006). Antioxidants and Inflammatory Disease: Synthetic and Natural Antioxidants with Anti-Inflammatory Activity. *Combinatorial Chemistry & High Throughput Screening*, 9(6), 425–442. <https://doi.org/10.2174/138620706777698481>
- Gorosito Serrán, M., Fiocca Vernengo, F., Beccaria, C. G., Acosta Rodriguez, E. V., Montes, C. L., & Gruppi, A. (2015). The regulatory role of B cells in autoimmunity, infections and cancer: Perspectives beyond IL10 production. *FEBS Letters*, 589(22), 3362–3369. <https://doi.org/10.1016/j.febslet.2015.08.048>
- Grancieri, M., Costa, N. M. B., Vaz Tostes, M. das G., de Oliveira, D. S., Nunes, L. de C., Marcon, L. de N., ... Viana, M. L. (2017). Yacon flour (*Smallanthus sonchifolius*) attenuates intestinal morbidity in rats with colon cancer. *Journal of Functional Foods*, 37, 666–675. <https://doi.org/10.1016/j.jff.2017.08.039>
- Green, P. H. R., Lebwohl, B., & Greywoode, R. (2015). Celiac disease. *Journal of Allergy and Clinical Immunology*, 135(5), 1099–1106. <https://doi.org/10.1016/j.jaci.2015.01.044>
- Gujral, H. S., & Rosell, C. M. (2004). Functionality of rice flour modified with a microbial transglutaminase. *Journal of Cereal Science*, 39(2), 225–230.

<https://doi.org/10.1016/j.jcs.2003.10.004>

- Gujral, N., Freeman, H. J., & Thomson, A. B. R. (2012). Celiac disease: Prevalence, diagnosis, pathogenesis and treatment. *World Journal of Gastroenterology*, *18*(42), 6036–6059. <https://doi.org/10.3748/wjg.v18.i42.6036>
- Gularte, M. A., Gómez, M., & Rosell, C. M. (2012). Impact of Legume Flours on Quality and In Vitro Digestibility of Starch and Protein from Gluten-Free Cakes. *Food and Bioprocess Technology*, *5*(8), 3142–3150. <https://doi.org/10.1007/s11947-011-0642-3>
- Hagerman, A. E., Riedl, K. M., Jones, G. A., Sovik, K. N., Ritchard, N. T., Hartzfeld, P. W., & Riechel, T. L. (1998). High Molecular Weight Plant Polyphenolics (Tannins) as Biological Antioxidants. *Journal of Agricultural and Food Chemistry*, *46*(5), 1887–1892. <https://doi.org/10.1021/jf970975b>
- Honoré, S. M., Grande, M. V., Rojas, J. G., & Sánchez, S. S. (2018). Smallanthus sonchifolius (Yacon) flour improves visceral adiposity and metabolic parameters in High-Fat-Diet-Fed rats. *Journal of Obesity*, *2018*. <https://doi.org/10.1155/2018/5341384>
- Hou, J., Schindler, U., Henzel, W. J., Ho, T. C., Bresseur, M., & Mcknight, S. L. (1988). An Interleukin-4-Induced Transcription Factor : IL-4 Stat, (9).
- Jeong, D., & Chung, H. J. (2019). Physical, textural and sensory characteristics of legume-based gluten-free muffin enriched with waxy rice flour. *Food Science and Biotechnology*, *28*(1), 87–97. <https://doi.org/10.1007/s10068-018-0444-8>
- Jeong, S., Kang, W. S., & Shin, M. (2013). Improvement of the quality of gluten-free rice pound cake using extruded rice flour. *Food Science and Biotechnology*, *22*(1), 173–180. <https://doi.org/10.1007/s10068-013-0024-x>
- Kadan, R. S., Robinson, M. G., Thibodeaux, D. P., & Pepperman, A. B. (2001). Texture and other physicochemical properties of whole rice bread. *Journal of Food Science*, *66*(7), 940–944. <https://doi.org/10.1111/j.1365-2621.2001.tb08216.x>
- Kelly, C. P., Bai, J. C., Liu, E., & Leffler, D. A. (2015). Advances in diagnosis and management of celiac disease. *Gastroenterology*, *148*(6), 1175–1186. <https://doi.org/10.1053/j.gastro.2015.01.044>
- Khajehei, F., Merkt, N., Claupein, W., & Graeff-Hoenninger, S. (2018). Yacon (smallanthus sonchifolius poepp. And endl.) as a novel source of health promoting

- compounds: Antioxidant activity, phytochemicals and sugar content in flesh, peel, and whole tubers of seven cultivars. *Molecules*, 23(2), 1–18. <https://doi.org/10.3390/molecules23020278>
- Kumar, V., Jarzabek-Chorzelska, M., Sulej, J., Karnewska, K., Farrell, T., & Jablonska, S. (2002). Celiac disease and immunoglobulin A deficiency: How effective are the serological methods of diagnosis? *Clinical and Diagnostic Laboratory Immunology*, 9(6), 1295–1300. <https://doi.org/10.1128/CDLI.9.6.1295-1300.2002>
- Kumari, R., Kumar, S., Ahmad, M. K., Singh, R., Pradhan, A., Chandra, S., & Kumar, S. (2018). TNF- α /IL-10 ratio: An independent predictor for coronary artery disease in North Indian population. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, 12(3), 221–225. <https://doi.org/10.1016/j.dsx.2017.09.006>
- Kupfer, S. S., & Jabri, B. (2012). Pathophysiology of Celiac Disease. *Gastrointestinal Endoscopy Clinics of North America*, 22(4), 639–660. <https://doi.org/10.1016/j.giec.2012.07.003>
- Lancetti, R., Palavecino, P. M., Bustos, M. C., & León, A. E. (2020a). Yacon (Smallanthus sonchifolius) flour obtention: Effect of process conditions on quality attributes and its incorporation in gluten-free muffins. *Lwt*, 125(March), 109217. <https://doi.org/10.1016/j.lwt.2020.109217>
- Lancetti, R., Palavecino, P. M., Bustos, M. C., & León, A. E. (2020b). Yacon (Smallanthus sonchifolius) flour obtention: Effect of process conditions on quality attributes and its incorporation in gluten-free muffins. *Lwt*, 125(November 2019), 109217. <https://doi.org/10.1016/j.lwt.2020.109217>
- Lebwohl, B., Sanders, D. S., & Green, P. H. R. (2018). Coeliac disease. *The Lancet*, 391(10115), 70–81. [https://doi.org/10.1016/S0140-6736\(17\)31796-8](https://doi.org/10.1016/S0140-6736(17)31796-8)
- Li, B., Alli, R., Vogel, P., & Geiger, T. L. (2014). IL-10 modulates DSS-induced colitis through a macrophage-ROS-NO axis. *Mucosal Immunology*, 7(4), 869–878. <https://doi.org/10.1038/mi.2013.103>
- Lin, C. M., Chen, C. T., Lee, H. H., & Lin, J. K. (2002). Prevention of cellular ROS damage by isovitexin and related flavonoids. *Planta Medica*, 68(4), 365–367. <https://doi.org/10.1055/s-2002-26753>
- Lin, C. M., Huang, S. T., Liang, Y. C., Lin, M. S., Shih, C. M., Chang, Y. C., ... Chen, C. T. (2005). Isovitexin suppresses lipopolysaccharide-mediated inducible nitric

- oxide synthase through inhibition of NF-kappa B in mouse macrophages. *Planta Medica*, 71(8), 748–753. <https://doi.org/10.1055/s-2005-871287>
- Machado, A. M., da Silva, N. B. M., Chaves, J. B. P., & Alfenas, R. de C. G. (2019). Consumption of yacon flour improves body composition and intestinal function in overweight adults: A randomized, double-blind, placebo-controlled clinical trial. *Clinical Nutrition ESPEN*, 29, 22–29. <https://doi.org/10.1016/j.clnesp.2018.12.082>
- MacPherson, A. J., McCoy, K. D., Johansen, F. E., & Brandtzaeg, P. (2008). The immune geography of IgA induction and function. *Mucosal Immunology*, 1(1), 11–22. <https://doi.org/10.1038/mi.2007.6>
- Marcon, L. D. N., de Sousa Moraes, L. F., Cruz, B. C. dos S., Teixeira, M. D. de O., Vidon Bruno, T. C., Ribeiro, I. E., ... Peluzio, M. do C. G. (2019). Yacon (*Smallanthus sonchifolius*)-based product increases fecal short-chain fatty acids and enhances regulatory T cells by downregulating ROR γ t in the colon of BALB/c mice. *Journal of Functional Foods*, 55(November 2018), 333–342. <https://doi.org/10.1016/j.jff.2019.02.039>
- Martínez-Cervera, S., Sanz, T., Salvador, A., & Fiszman, S. M. (2012). Rheological, textural and sensorial properties of low-sucrose muffins reformulated with sucralose/polydextrose. *LWT - Food Science and Technology*, 45(2), 213–220. <https://doi.org/10.1016/j.lwt.2011.08.001>
- Masroor, D., Baig, S. G., Ahmed, S., Ahmad, S. M., & Ul Hasan, M. M. (2018). Analgesic, anti-inflammatory and diuretic activities of *Cicer arietinum* L. *Pakistan Journal of Pharmaceutical Sciences*, 31(2), 553–558. <https://doi.org/10.13140/RG.2.2.15583.97440>
- Matos, M. E., Sanz, T., & Rosell, C. M. (2014). Establishing the function of proteins on the rheological and quality properties of rice based gluten free muffins. *Food Hydrocolloids*, 35, 150–158. <https://doi.org/10.1016/j.foodhyd.2013.05.007>
- Matsuda, T. (2019). Rice flour: A promising food material for Nutrition and Global Health. *Journal of Nutritional Science and Vitaminology*, 65, S13–S17. <https://doi.org/10.3177/jnsv.65.S13>
- Milán-Noris, A. K., Gutiérrez-Urbe, J. A., Santacruz, A., Serna-Saldívar, S. O., & Martínez-Villaluenga, C. (2018). Peptides and isoflavones in gastrointestinal digests contribute to the anti-inflammatory potential of cooked or germinated desi and

- kabuli chickpea (*Cicer arietinum* L.). *Food Chemistry*, 268(June), 66–76. <https://doi.org/10.1016/j.foodchem.2018.06.068>
- Miller, R. (2015). *Cakes: Types of Cakes. Encyclopedia of Food and Health* (3rd ed.). Elsevier Ltd. <https://doi.org/10.1016/B978-0-12-384947-2.00100-8>
- Moiraghi, M., de la Hera, E., Pérez, G. T., & Gómez, M. (2013). Effect of wheat flour characteristics on sponge cake quality. *Journal of the Science of Food and Agriculture*, 93(3), 542–549. <https://doi.org/10.1002/jsfa.5821>
- Monk, J. M., Wu, W., McGillis, L. H., Wellings, H. R., Hutchinson, A. L., Liddle, D. M., ... Power, K. A. (2018). Chickpea supplementation prior to colitis onset reduces inflammation in dextran sodium sulfate-treated C57BL/6 male mice. *Applied Physiology, Nutrition and Metabolism*, 43(9), 893–901. <https://doi.org/10.1139/apnm-2017-0689>
- Nowarski, R., Jackson, R., Gagliani, N., De Zoete, M. R., Palm, N. W., Bailis, W., ... Flavell, R. A. (2015). Epithelial IL-18 Equilibrium Controls Barrier Function in Colitis. *Cell*, 163(6), 1444–1456. <https://doi.org/10.1016/j.cell.2015.10.072>
- Nurhayati, Noer Novijanto, F. Y. (2017). Karakteristik Sensori dan Kesesuaian Atribut Mutu Cookies Kedelai-Pisang sebagai Pangan Darurat. *Skripsi*, 1–2.
- Odri, Ä. Z., Guez, Ä., Enesad, U. I., & Bp, R. S. (2007). Influence of Eggs on the Aroma Composition of a Sponge Cake and on the Aroma Release in Model Studies on Flavored Sponge Cakes. *Journal of Agricultural and Food Chemistry*, 55, 1418–1426.
- Ojansivu, I., Ferreira, C. L., & Salminen, S. (2011). Yacon, a new source of prebiotic oligosaccharides with a history of safe use. *Trends in Food Science and Technology*, 22(1), 40–46. <https://doi.org/10.1016/j.tifs.2010.11.005>
- Oktadiana, H., Abdullah, M., Renaldi, K., & Dyah, N. (2017). Diagnosis dan Tata Laksana Penyakit Celiac. *Jurnal Penyakit Dalam Indonesia*, 4(3), 157. <https://doi.org/10.7454/jpdi.v4i3.131>
- Pabst, O. (2012). New concepts in the generation and functions of IgA. *Nature Reviews Immunology*, 12(12), 821–832. <https://doi.org/10.1038/nri3322>
- Park, S. J., Ha, K. Y., & Shin, M. (2012). Properties and qualities of rice flours and gluten-free cupcakes made with higher-yield rice varieties in Korea. *Food Science and Biotechnology*, 21(2), 365–372. <https://doi.org/10.1007/s10068-012-0048-7>

- Paz, G. M., King, J. M., Prinyawiwatkul, W., Tyus, C. M. O., & Aleman, R. J. S. (2020). High-protein rice flour in the development of gluten-free muffins. *Journal of Food Science*, 85(5), 1397–1402. <https://doi.org/10.1111/1750-3841.15140>
- Pérez, M. J., Cuello, A. S., Zampini, I. C., Ordoñez, R. M., Alberto, M. R., Quispe, C., ... Isla, M. I. (2014). Polyphenolic compounds and anthocyanin content of *Prosopis nigra* and *Prosopis alba* pods flour and their antioxidant and anti-inflammatory capacities. *Food Research International*, 64, 762–771. <https://doi.org/10.1016/j.foodres.2014.08.013>
- Prasetyo, H. A. (2019). Proses Pembuatan Cake Menggunakan Tepung Komposit Terigu, Umbi Jalar Dan Talas Dengan Metode Experimental Design. *JUITECH (Jurnal Ilmiah Fakultas Teknik Universitas Quality)*, 3(2). <https://doi.org/10.36764/ju.v3i2.257>
- Prince, H. E., Norman, G. L., & Binder, W. L. (2000). Immunoglobulin A (IgA) deficiency and alternative celiac disease- associated antibodies in sera submitted to a reference laboratory for endomysial IgA testing. *Clinical and Diagnostic Laboratory Immunology*, 7(2), 192–196. <https://doi.org/10.1128/CDLI.7.2.192-196.2000>
- Rachwa-Rosiak, D., Nebesny, E., & Budryn, G. (2015). Chickpeas—Composition, Nutritional Value, Health Benefits, Application to Bread and Snacks: A Review. *Critical Reviews in Food Science and Nutrition*, 55(8), 1137–1145. <https://doi.org/10.1080/10408398.2012.687418>
- Rahmah, A., Hamzah, F., & Rahmayuni. (2017). Use of Flour Composites From Wheat Flour, Sago Starch, Corn Flour To Produce White Bread. *Jom FAPERTA*, 4(1), 1–14.
- Raza, A., & Shata, M. T. (2013). New perspectives of an old cytokine. *Inflammatory Bowel Diseases*, 19(3), 205–218. <https://doi.org/10.1002/ibd.22960>
- Ren, G., Hao, Y., Zhu, Y., Shi, Z., & Zhao, G. (2018). Expression of bioactive lunasin peptide in transgenic rice grains for the application in functional food. *Molecules*, 23(9), 1–15. <https://doi.org/10.3390/molecules23092373>
- Rodriguez, I. F., Pérez, M. J., Cattaneo, F., Zampini, I. C., Cuello, A. S., Mercado, M. I., ... Isla, M. I. (2019). Morphological, histological, chemical and functional characterization of *Prosopis alba* flours of different particle sizes. *Food Chemistry*,

- 274, 583–591. <https://doi.org/10.1016/j.foodchem.2018.09.024>
- Rosell, C. M., & National, S. (2015). Edición y publicación del libro científico monográfico titulado : Advances in the Understanding of Gluten Related Pathology and the Evolution of Gluten- Free Foods, (July).
- Rossi, A., Pergola, C., Koeberle, A., Hoffmann, M., Dehm, F., Bramanti, P., ... Sautebin, L. (2010). The 5-lipoxygenase inhibitor, zileuton, suppresses prostaglandin biosynthesis by inhibition of arachidonic acid release in macrophages. *British Journal of Pharmacology*, *161*(3), 555–570. <https://doi.org/10.1111/j.1476-5381.2010.00930.x>
- Rossi, S., Capobianco, F., Sabatino, G., Maurano, F., Luongo, D., & Rossi, M. (2020). Pilot scale production of a non-immunogenic soluble gluten by wheat flour transamidation with applications in food processing for celiac-susceptible people. *Journal of Cereal Science*, *96*, 103117. <https://doi.org/10.1016/j.jcs.2020.103117>
- Saraiva, M., & O'Garra, A. (2010). The regulation of IL-10 production by immune cells. *Nature Reviews Immunology*, *10*(3), 170–181. <https://doi.org/10.1038/nri2711>
- Schuppan, D. (2000). Current concepts of celiac disease pathogenesis. *Gastroenterology*, *119*(1), 234–242. <https://doi.org/10.1053/gast.2000.8521>
- Schuppan, D., & Zimmer, K. P. (2013). Diagnostik und therapie der zöliakie. *Deutsches Arzteblatt International*, *110*(49). <https://doi.org/10.3238/arztebl.2013.0835>
- Sciammaro, L., Ferrero, C., & Puppo, M. C. (2016). Chemical and nutritional properties of different fractions of Prosopis alba pods and seeds. *Journal of Food Measurement and Characterization*, *10*(1), 103–112. <https://doi.org/10.1007/s11694-015-9282-z>
- Sciammaro, L. P., Ferrero, C., & Puppo, M. C. (2018). Gluten-free baked muffins developed with Prosopis alba flour. *Lwt*, *98*(September), 568–576. <https://doi.org/10.1016/j.lwt.2018.09.045>
- Shah, A. S., & Alagawadi, K. R. (2011). Anti-inflammatory, analgesic and antipyretic properties of Thespesia populnea Soland ex. Correa seed extracts and its fractions in animal models. *Journal of Ethnopharmacology*, *137*(3), 1504–1509. <https://doi.org/10.1016/j.jep.2011.08.038>
- Shalini, V., Bhaskar, S., Kumar, K. S., Mohanlal, S., Jayalekshmy, A., & Helen, A. (2012). Molecular mechanisms of anti-inflammatory action of the flavonoid, tricrin from Njavara rice (*Oryza sativa* L.) in human peripheral blood mononuclear cells:

- Possible role in the inflammatory signaling. *International Immunopharmacology*, 14(1), 32–38. <https://doi.org/10.1016/j.intimp.2012.06.005>
- Shukla, S., Mehta, A., Mehta, P., Vyas, S. P., Shukla, S., & Bajpai, V. K. (2010). Studies on anti-inflammatory, antipyretic and analgesic properties of *Caesalpinia bonducella* F. seed oil in experimental animal models. *Food and Chemical Toxicology*, 48(1), 61–64. <https://doi.org/10.1016/j.fct.2009.09.015>
- Sina, C., Kemper, C., & Derer, S. (2018). The intestinal complement system in inflammatory bowel disease: Shaping intestinal barrier function. *Seminars in Immunology*, 37(February), 66–73. <https://doi.org/10.1016/j.smim.2018.02.008>
- Sivaramakrishnan, H. P., Senge, B., & Chattopadhyay, P. K. (2004). Rheological properties of rice dough for making rice bread. *Journal of Food Engineering*, 62(1), 37–45. [https://doi.org/10.1016/S0260-8774\(03\)00169-9](https://doi.org/10.1016/S0260-8774(03)00169-9)
- Sleasman, J. W. (1996). The association between immunodeficiency and the development of autoimmune disease. *Advances in Dental Research*, 10(1), 57–61. <https://doi.org/10.1177/08959374960100011101>
- Sompong, R., Siebenhandl-Ehn, S., Berghofer, E., & Schoenlechner, R. (2011). Extrusion cooking properties of white and coloured rice varieties with different amylose content. *Starch/Staerke*, 63(2), 55–63. <https://doi.org/10.1002/star.201000086>
- Sreerama, Y. N., Sashikala, V. B., & Pratape, V. M. (2012). Phenolic compounds in cowpea and horse gram flours in comparison to chickpea flour: Evaluation of their antioxidant and enzyme inhibitory properties associated with hyperglycemia and hypertension. *Food Chemistry*, 133(1), 156–162. <https://doi.org/10.1016/j.foodchem.2012.01.011>
- Stein, J., & Schuppan, D. (2014). Coeliac disease-new pathophysiological findings and their implications for therapy. *Viszeralmedizin: Gastrointestinal Medicine and Surgery*, 30(3), 156–165. <https://doi.org/10.1159/000365099>
- Surono, I. S., Koestomo, F. P., Novitasari, N., Zakaria, F. R., Yulianasari, & Koesnandar. (2011). Novel probiotic *Enterococcus faecium* IS-27526 supplementation increased total salivary sIgA level and bodyweight of pre-school children: A pilot study. *Anaerobe*, 17(6), 496–500. <https://doi.org/10.1016/j.anaerobe.2011.06.003>
- Takahata, Y., Ohnishi-Kameyama, M., Furuta, S., Takahashi, M., & Suda, I. (2001). Highly polymerized procyanidins in brown soybean seed coat with a high radical-

- scavenging activity. *Journal of Agricultural and Food Chemistry*, 49(12), 5843–5847. <https://doi.org/10.1021/jf010307x>
- Tang, Y., Chen, Y., Jiang, H., & Nie, D. (2011). The role of short-chain fatty acids in orchestrating two types of programmed cell death in colon cancer. *Autophagy*, 7(2), 235–237. <https://doi.org/10.4161/auto.7.2.14277>
- Teng, M. W. L., Darcy, P. K., & Smyth, M. J. (2011). Stable IL-10: A new therapeutic that promotes tumor immunity. *Cancer Cell*, 20(6), 691–693. <https://doi.org/10.1016/j.ccr.2011.11.020>
- Van Den Broeck, H. C., Van Herpen, T. W. J. M., Schuit, C., Salentijn, E. M. J., Dekking, L., Bosch, D., ... Van Der Meer, I. M. (2009). Removing celiac disease-related gluten proteins from bread wheat while retaining technological properties: A study with Chinese Spring deletion lines. *BMC Plant Biology*, 9. <https://doi.org/10.1186/1471-2229-9-41>
- Van Heel, D. A., & West, J. (2006). Recent advances in coeliac disease. *Gut*, 55(7), 1037–1046. <https://doi.org/10.1136/gut.2005.075119>
- Vaz-Tostes, M. das G., Viana, M. L., Grancieri, M., Luz, T. C. dos S., Paula, H. de, Pedrosa, R. G., & Costa, N. M. B. (2014). Yacon effects in immune response and nutritional status of iron and zinc in preschool children. *Nutrition*, 30(6), 666–672. <https://doi.org/10.1016/j.nut.2013.10.016>
- Velozo, L. S. M., Ferreira, M. J. P., Santos, M. I. S., Moreira, D. L., Guimarães, E. F., Emerenciano, V. P., & Kaplan, M. A. C. (2009). C-glycosyl flavones from *Peperomia blanda*. *Fitoterapia*, 80(2), 119–122. <https://doi.org/10.1016/j.fitote.2008.11.005>
- Verediano, T. A., Viana, M. L., das Graças Vaz Tostes, M., de Oliveira, D. S., de Carvalho Nunes, L., & Costa, N. M. B. (2020). Yacón (*Smallanthus sonchifolius*) prevented inflammation, oxidative stress, and intestinal alterations in an animal model of colorectal carcinogenesis. *Journal of the Science of Food and Agriculture*, 100(15), 5442–5449. <https://doi.org/10.1002/jsfa.10595>
- Vici, G., Belli, L., Biondi, M., & Polzonetti, V. (2016). Gluten free diet and nutrient deficiencies: A review. *Clinical Nutrition*, 35(6), 1236–1241. <https://doi.org/10.1016/j.clnu.2016.05.002>
- Vliet, H. Van, Baudry, B., Karatza, H. D., Chan, W., Glass, R. L., Bosch, J., ... Mei, H.

- (2015). Editorial Board. *Journal of Systems and Software*, 104, IFC. [https://doi.org/10.1016/s0164-1212\(15\)00073-4](https://doi.org/10.1016/s0164-1212(15)00073-4)
- Williamson, G., & Clifford, M. N. (2017). Role of the small intestine, colon and microbiota in determining the metabolic fate of polyphenols. *Biochemical Pharmacology*, 139, 24–39. <https://doi.org/10.1016/j.bcp.2017.03.012>
- Wirkungsmechanismus, S., & Sadik, C. D. (2005). Polyphenole als Lipxygenaseinhibitoren. *Enzyme*.
- Witten, J., Samad, T., & Ribbeck, K. (2018). Selective permeability of mucus barriers. *Current Opinion in Biotechnology*, 52, 124–133. <https://doi.org/10.1016/j.copbio.2018.03.010>
- Wolfe, K., Wu, X., & Liu, R. H. (2003). Antioxidant activity of apple peels. *Journal of Agricultural and Food Chemistry*, 51(3), 609–614. <https://doi.org/10.1021/jf020782a>
- Wullaert, A., Bonnet, M. C., & Pasparakis, M. (2011). NF- κ B in the regulation of epithelial homeostasis and inflammation. *Cell Research*, 21(1), 146–158. <https://doi.org/10.1038/cr.2010.175>
- Yan, M. R., Welch, R., Rush, E. C., Xiang, X., & Wang, X. (2019). A sustainable wholesome foodstuff; health effects and potential dietotherapy applications of yacon. *Nutrients*, 11(11), 1–16. <https://doi.org/10.3390/nu11112632>
- Yao, L. H., Jiang, Y. M., Shi, J., Tomás-Barberán, F. A., Datta, N., Singanusong, R., & Chen, S. S. (2004). Flavonoids in food and their health benefits. *Plant Foods for Human Nutrition*, 59(3), 113–122. <https://doi.org/10.1007/s11130-004-0049-7>
- Yuan, H., Wang, W., Chen, D., Zhu, X., & Meng, L. (2016). Effects of a treatment with Se-rich rice flour high in resistant starch on enteric dysbiosis and chronic inflammation in diabetic ICR mice. *Journal of the Science of Food and Agriculture*, 97(7), 2068–2074. <https://doi.org/10.1002/jsfa.8011>