

BIBLIOGRAPHY

- Adawiyah, D.R., Andarwulan, N., Triana, R.N., Agustin, D. and Gitapratwi, D. 2018. Evaluasi perbedaan varietas kacang kedelai terhadap mutu produk susu kedelai. *J. Mutu Pangan* 5(1): 10-16.
- Ajila, C.M. and Rao, P. 2013. Mango peel dietary fiber: composition and associated bound phenolics. *J. Funct. Foods* 5: 444-450.
- Al-Dmoor, H.M. 2013. Cake flour: functionality and quality. *European Scientific J.* 9(3): 166-180.
- Anggraini, T., Dewi, Y.K. and Sayuti, K. 2017. Karakteristik sponge cake berbahan dasar tepung beras merah, hitam dan putih dari beberapa daerah di Sumatera Barat. *J. Litbang Industri* 7(2): 123-136.
- Aslan, M. and Ertas, N. 2020. Possibility of using ‘chickpea aquafaba’ as egg replacer in traditional cake formulation. *Harran Tanm ve Gida Bilimleri Derg* 24(1): 1-8.
- Asyhari, M.H., Palupi, N.S. and Faridah, D.N. 2018. Karakteristik kimia konjugat isolate protein kedelai-laktosa yang berpotensi dalam penuruan alergenisitas. *J. Teknol. Industri Pangan* 29(1): 39-48.
- Aydogdu, A., Sumnu, G. and Sahin, S. 2018. Effects of addition of different fibers on rheological characteristics of cake batter and quality of cakes. *J. Food Sci. Technol.* 55(2): 667-677.
- Aziah, A.A.N., Min, W.L. and Bhat, R. 2011. Nutritional and sensory quality evaluation of sponge cake prepared by incorporation of high dietary fiber containing mango (*Mangifera indica* var, Chokanan) pulp and peel flours. *Int. J. Food Sci. Nutr.* 62(2): 559-567.
- Ballesteros, L.F., Teixeira, J.A. and Mussatto, S.I. 2014. Chemical, functional, and structural properties of spent coffee grounds and coffee silverskin. *Food Bioprocess. Technol.* 7: 3493-3503.
- Barber, T.M., Kabisch, S., Pfeiffer, A.F.H., Weickert, M.O. 2020. The health benefits of dietary fibre. *Nutrients* 12(3209): 1-17.
- Barlina, R. 2013. Substitusi pati sagu pada pengolahan roti manis. *B. Palma* 14(2): 117-124.

- Balliu, A. 2014. Cabbage. In “Handbook of Vegetables.” ed. Peter, K. V. and Hazra, P. Studium Press, India.
- Buhl, T.F., Christensen, C.H. and Hammershoj, M. 2019. Aquafaba as an egg white substitute in food foams and composition and functional behavior. *Food Hydrocolloids*, 96: 354-364.
- Chaiya, B. and Pongsawatmanit, R. 2011. Quality of batter and sponge cake prepared from wheat-tapioca flour blends. *Kasetsart J. – Nat. Sci.* 45: 305-313.
- Dar, Y.L. and Light, J.M. 2014. Food Texture Design and Optimization. Wiley Blackwell, Hoboken.
- de la Hera, E., Martinez, M. and Oliete, B. 2012. Influence of flour particle size on quality of gluten-free rice cakes. *Food Bioprocess. Technol.* 6(9) : 2280-2288.
- Dhingra, D., Michael, M. and Rajput, H. 2011. Dietary fiber in foods: a review. *J. Food Sci. Technol.* 49, (3): 255-266.
- Erfanian, A. and Rasti, B. 2019. Effects of soy milk on physical, rheological, microbiological and sensory properties of cake. *Int. Food Res. J.* 26(1): 237-245.
- Finnie, S. and Atwell, W. 2016. Wheat Flour. Woodhead Publishing, Cambridge.
- Gisslen, W. 2017. Professional Baking. 7th ed. John Wiley & Sons, Inc, Hoboken.
- Godefroidt, T., Ooms, N., Pareyt, B., Brijs, K. and Delcour, J.A. 2019. Ingredient functionality during foam-type cake making. *Compr. Rev. Food Sci. Food Saf* 18: 1550-1562.
- Grizio, M. and Specht, L. 2016. Plant-based Egg Alternatives: Optimizing for Functional Properties and Applications. The Good Food Institute, Washington.
- Hallmann, E., Kazimerczak, R., Marszalek, K., Drela, N., Kiernozek, E., Toomik, P., Matt, D., Luit, A. and Rembialkowska, E. 2017. The nutritive value of organic and conventional white cabbage (*Brassica oleracea* L. var. *capitata*) and anti-apoptotic activity in gastric adenocarcinoma cells of sauerkraut juice produced thereof. *J. Agric. Food Chem* (65): 8171-8183.
- Handayani, R. and Aminah, S. 2011. Variasi substitusi rumput laut terhadap kadar serat dan mutu organoleptic cake rumput laut (*Eucheuma cottonii*). *J. Pangan Gizi* 2(3): 67-74.

- Hartanto, E.S. 2012. Kajian penerapan SNI produk tepung terigu sebagai bahan makanan. J. Standardisasi 14(2): 164.
- He, Y., Shim, Y.Y., Mustafa, R., Meda, V. and Reaney, M.J.T. 2019. Chickpea cultivar selection to produce aquafaba with superior emulsion properties. Foods 8(685):1-16.
- Hedayati, S. and Tehrani, M.M. 2018. Effect of total replacement of egg by soymilk and lecithin on physical properties of batter and cake. Food Sci. Nutr. 1-8.
- Hossain, S., Shishir, M.R.I., Saifullah, M., Kayshar, M.S., Tonmoy, S.W., Rahman, A., Din, M.S.U. 2016. Incorporation of coconut flour in plain cake and investigation of the effect of sugar and baking powder on its baking quality. Int. J. Nutr. Food Sci. 5(1): 31-38.
- Hussein, A., Ali, H., Bareh, G. and Farouk, A. 2019. Influence of spent coffee ground as fiber source on chemical, rheological and sensory properties of sponge cake. Pak. J. Biol. Sci. (22): 273-282.
- Indiarto, R., Nurhadi, B. and Subroto, E. 2012. Study on characteristics texture (texture profile analysis) and organoleptic smoked chicken based on liquid smoke technology from coconut shell. J. Tekno. Hasil. Pert. 5(2): 106-116.
- Janssen, F., Wouters, A.G.B. and Delcour, J.A. 2021. Gas cell stabilization by aqueous-phase constituents during bread production from wheat and rye dough and oat batter: dough or batter liquor as model system. Compr. Rev. Food Sci. Food Saf. 20(4): 3881-3917.
- Jideani, V.A. 2011. Functional properties of soybean food ingredients in food systems. In “Soybean – Biochemistry, Chemistry and Physiology.” ed. Ng, T.B. IntechOpen, London.
- Kamp, J.W.V. and Lupton, J. 2013. Definitions, regulations and health claims associated with dietary fibre and wholegrain foods. In “Fibre-rich and Wholegrain Foods: Improving Quality.” Ed. Delcour, J.A. and Poutanen, K. Woodhead Publishing Limited, Oxford.
- Kim, J.H., Lee, H.J., Lee, H.S., Lim, E.J., Imm, J.Y. and Suh, H.J. 2012. Physical and sensory characteristics of fibre-enriched sponge cakes made with *Opuntia humifusa*. LWT – Food Sci. Technol. 47: 478-484.
- Kim, S.Y. and Kim, K.J. 2017. Quality characteristics and antioxidant activity of sponge cake with cabbage powder. Korean J. Food Preserv. 29(2): 294-302.

- Lebaka, V.R., Wee, Y.J., Ye, W. and Korivi, M. 2021. Nutritional composition and bioactive compounds in three different parts of mango fruit. *Int. J. Environ. Res. Public Health* 18(741): 1-20.
- Martinez-Saez, N. Garcia, A.T., Perez, I.D., Rebollo-Hernanz, M., Mesias, M., Morales, F.J., Martin-Cabrejas, M.A. and Castillo, M.D. 2017. Use of spent coffee grounds as food ingredient in bakery products. *Food Chem.* 216: 114-122.
- Megarani, S. and Srimiati, M. 2018. Pengaruh substitusi tepung biji alpukat terhadap sifat organoleptic sponge cake. *Nutri-Sains* (2): 31-38.
- Mitchell, R.A.C. and Shewry, P.R. 2015. Dietary fibre: wheat genes for enhanced human health. In “Advances in Wheat Genetics: From Genome to Field.” ed. Ogihara, Y., Takumi, S. and Handa, H. Springer, Hertfordshire.
- Murugkar, D.A., Zaidi, A., Kotwaliwale, N. and Gupta, C. 2016. Effect of egg-replacer and composite flour on physical properties, colour, texture and rheology, nutritional and sensory profile of cakes. *J. Food Qual.* 0(0): 1-11.
- Mustafa, R., He, Y., Shim, Y.Y. and Reaney, M.J.T. 2018. Aquafaba, wastewater from chickpea canning, function as an egg replacer in sponge cake. *Int. J. Food Sci. Tech.* 1-9.
- Mustafa, R. and Reaney, M.J.T. 2020. Aquafaba, from food waste to a value-added product. In “Food Wastes and By-products: Nutraceutical and Health Potential.” Chptr 4. ed R. Campos-Vega, B.D. Oomah and H.A. Vergara-Castaneda. John Wiley & Sons, Chichester.
- Nishinari, K., Fang, Y., Guo, S. and Phillips, G.O. 2014. Soy proteins: a review on composition, aggregation and emulsification. *Food Hydrocolloids* (39): 301-318.
- Otles, S. and Ozgos, S. 2014. Health effects of dietary fibre. *Acta Sci. Pol., Technol. Aliment.* 13(2): 191-202.
- Pathare, P.B., Opara, U.L. and Al-Said, F.A. 2012. Colour measurement and analysis in fresh and processed foods: a review. *Food Bioprocess. Technol.* 1-25.
- Patil, U. and Benjakul, S. 2018. Coconut milk and coconut oil: their manufacture associated with protein functionality. *J. Food Sci.* 83, (8): 2019-2021.
- Pop, C., Suharoschi, R. and Pop, O.L. 2021. Dietary fibre and prebiotic compounds in fruits and vegetables food waste. *Sustainability*, 13(7129): 1-18.

- Prokopov, T., Goranova, Z., Baeva, M., Slavov, A. and Galanakis, C.M. 2015. Effects of powder from white cabbage outer leaves on sponge cake quality. *Int. Agrophys.* (29): 493-500.
- Putri, M.F. (2014). Kandungan gizi dan sifat fisik tepung ampas kelapa sebagai bahan pangan sumber serat. *TEKNOBUGA* 1, (1): 32-43.
- Rahmati, N.F. and Tehrani, M.M. 2014. Influence of different emulsifiers on characteristics of eggless cake containing soy milk: modelling physical and sensory properties by mixture experimental design. *J. Food. Sci. Technol.* 51(9): 1697-1710.
- Rahmati, N.F. and Tehrani, M.M. 2014. Replacement of egg in cake: effect of soy milk on quality and sensory characteristics. *J. Food. Process. Preserv.* 1-9.
- Ramirez, M.D., Dominguez, G.C., Garibay, M.G., Guzman, J.J., Carvajal, A.V., Cruz, M.P.S., Cotero, D.A. and Ramirez, E.D.M. 2016. Effect of whey protein isolate addition on physical, structural and sensory properties of sponge cake. *Food Hydro.* (3474): 1-29.
- Ratnaningsih, Ginting, E., Adie, M.M. and Harnowo, D. 2017. Sifat fisikokimia dan kandungan serat pangan galur-galur harapan kedelai. *J. Penelitian Pascapanen Pertanian* 14(1): 35-45.
- Rodriguez-Garcia, J., Sahi, S.S. and Hernando, I. 2014. Optimizing mixing during the sponge cake manufacturing process. *Cereal Foods World.* 59(6): 287-292.
- Sahagun, M., Bravo-Nunez, A., Bascones, G. and Gomez, M. 2018. Influence of protein source on the characteristics of gluten-free layer cakes. *LWT.* 94: 50-56.
- Salim, C., Artina, V.S. and Raditya, Y.M. 2018. Pembuatan meringue pavlova menggunakan air rendaman kacang chickpeas sebagai pengganti telut putih. *J. Pariwisata* 5(1): 11-21.
- Soderberg, J. 2013. Functional properties of legume proteins compared to egg proteins and their potential as egg replacers in vegan food. *Swedish Univ. Agri. Sci.* 1-36.
- Sudha, M.L., Indumathi, K., Sumanth, M.S., Rajarathnam, S. and Shashirekha, M.N. 2015. Mango pulp fibre waste: characterization and utilization as a bakery product ingredient. *J. Food Measure Charac.* 9: 382-388.
- Varastegani, B., Zzaman, W. and Yang, T.A. 2015. Investigation on physicochemical and sensory evaluation of cookies substituted with papaya flour. *J. Food. Qua.* 38: 175-183.

- Wang, Z.S., Shang, S. and Vardhanabhuti, B. 2015. Foaming properties of whey protein isolate and λ -carrageenan mixed systems. *J. Food Sci.* 80(8): 1893-1902.
- Waziiroh, E., Bender, D., Saric, A., Jaeger, H. and Schoenlechner, R. 2021. Ohmic baking of gluten-free bread: role of starch and flour on batter properties. *Appl. Sci.* 11(6567): 1-17.
- Yazici, G.M. and Ozer, M.S. 2021. A review of egg replacement in cake production: effects on batter and cake properties. *Trends Food Sci. Technol.* (111): 346-359.
- Yulvianti, M., Ernayati, W., Tarsono and Alfian, M.R. 2015. Pemanfaatan ampas kelapa sebagai bahan baku tepung kelapa tinggi serat dengan metode freeze drying. *J. Integrasi Proses* 5, (2): 101-107.
- Zilic, S. 2013. Wheat Gluten: Composition and Health Effects. In “Gluten: Sources, Composition and Health Effects.” ed. Walter, D.B. New York: Nova Science Publisher.