

## References

- Abdullah, I. (2017). Effect of Using Unripe Jackfruit As A Meat Substitute on Nutrition Composition and Organoleptic Characteristic of Meat Patty. *Politeknik & Kolej Komuniti Journal of Engineering and Technology*, 2(1), 96-106.
- Adebayo, E. A., & JK, O. (2017). Oyster mushroom (*Pleurotus* species); a natural functional food. *Journal of Microbiology, Biotechnology & Food Sciences*, 7(3).
- Ahmad, S., & Wahyuni, S. (2018). Kajian Kualitas Bakso Nabati Formulasi Jamur Tiram (*Pleurotus Ostreatus*) Dengan Penambahan Daun Bayam (*Amaranthus*) Dan Tepung Wikau Maombo Sebagai Produk Pangan Fungsional. *Jurnal Sains Dan Teknologi Pangan*, 3(5).2
- Alsailawi, H. A., Mudhafar, M., & Abdulrasool, M. M. (2020). Effect of Frozen Storage on the Quality of Frozen Foods—A Review. *J. Chem*, 14, 86-96.
- Azaka, R. S., Sumayati, E., & Suprihana, S. (2019). Pengaruh Substitusi Tahu Dan Varietas Nangka Muda Terhadap Karakteristik Kimia Dan Sensoris Dendeng Tahuna. *Agrika*, 13(1), 10-22.
- Badan POM RI. (2012). *Pedoman Kriteria Cemaran pada Pangan Siap Saji dan Pangan Industri Rumah Tangga*. Jakarta: Direktorat Standardisasi Produk Pangan, Deputi Bidang Pengawasan Keamanan Pangan dan Bahan Berbahaya. 1-4
- Badan Pom Ri. (2019). *Peraturan Badan Pengawas Obat Dan Makanan Nomor 13 Tahun 2019 Tentang Batas Maksimal Cemaran Mikroba Dalam Pangan Olahan*. Jakarta. 38-42
- Badan POM RI. (2009). *Peraturan Kepala Badan Pengawas Obat Dan Makanan Republik Indonesia Nomor Hk.00.06.1.52.4011*. Jakarta.9-19
- Baldus, K., & Deibel, V. (2012). Flavors Should Burst, Not Packages. *Food Safety Magazine*. Retrieved from <https://www.food-safety.com/articles/3777-flavors-should-burst-not-packages>
- BAM Chapter 3: Aerobic Plate Count*. (2001). Retrieved 26 January 2021, from <https://www.fda.gov/food/laboratory-methods-food/bam-chapter-3-aerobic-plate-count#conventional>
- BAM Chapter 18: Yeasts, Molds and Mycotoxins*. (2001). Retrieved 26 January 2021, from <https://www.fda.gov/food/laboratory-methods-food/bam-chapter-18-yeasts-molds-and-mycotoxins>
- Barbosa-Cánovas, G. V., Altunakar, B., & Mejía-Lorío, D. J. (2005). Freezing of fruits and vegetables: An agribusiness alternative for rural and semi-rural areas (Vol. 158). *Food & Agriculture Org.*
- Bernardi, A. O., Garcia, M. V., & Copetti, M. V. (2019). Food industry spoilage fungi control through facility sanitization. *Current Opinion in Food Science*.
- Bocevska, M., Aldabas, I., Andreevska, D., & Ilieva, V. (2009). Gelatinization behavior of grains and flour in relation to physico-chemical properties of milled rice (*oryza sativa* l.). *Journal of Food Quality*, 32(1), 108-124.
- Breuninger, W. F., Piyachomkwan, K., & Sriroth, K. (2009). Tapioca/cassava starch: production and use. In *Starch* (pp. 541-568). *Academic Press*.
- Charles, A. L., Cato, K., Huang, T.-C., Chang, Y.-H., Ciou, J.-Y., Chang, J.-S., & Lin, H.-H. (2016). Functional properties of arrowroot starch in cassava and sweet potato composite starches. *Food Hydrocolloids*, 53, 187–191.
- Chen, J. (2009). Food oral processing—A review. *Food Hydrocolloids*, 23(1), 1-25.
- Corradini, M. G. (2018). Shelf Life of Food Products: From Open Labeling to Real-Time Measurements. *Annual Review of Food Science and Technology*, 9(1), 251–269).
- Corke, H. (2015). Grain: morphology of internal structure. *Encyclopedia of Food Grains*. 2nd ed. Elsevier, Oxford, 41-49.
- da Silva Costa, R. A., Bonomo, R. C. F., Rodrigues, L. B., Santos, L. S., & Veloso, C. M. (2020). Improvement of texture properties and syneresis of arrowroot (*Maranta arundinacea*) starch gels by using hydrocolloids (guar gum and xanthan gum). *Journal of the science of food and agriculture*, 100(7), 3204-3211.

- Deb, U., Jagannath, A., Anilakumar, K. R., & Mallesha, C. A. (2018). Nutritional studies and antioxidant profile of pickled oyster mushrooms of north east India. *Def Life Sci J*, 3(1), 64-70.
- Deepalakshmi, K., & Sankaran, M. (2014). Pleurotus ostreatus: an oyster mushroom with nutritional and medicinal properties. *Journal of Biochemical Technology*, 5(2), 718-726.
- Diaz, J. V., Anthon, G. E., & Barrett, D. M. (2007). Nonenzymatic degradation of citrus pectin and pectate during prolonged heating: effects of pH, temperature, and degree of methyl esterification. *Journal of agricultural and food chemistry*, 55(13), 5131-5136.
- Đorđević, J., Pavličević, N., Bošković, M., Janjić, J., Glišić, M., Starčević, M., & Baltić, M. Ž. (2017). Effect of vacuum and modified atmosphere packaging on microbiological properties of cold-smoked trout. In *IOP Conference Series: Earth and Environmental Science* (Vol. 85, No. 1, p. 012084). IOP Publishing.
- El-Enshasy, H. A., Selvamani, S., Dailin, D. J., Abd Malek, R., Hanapi, S. Z., Ambehabati, K. K., ... & Moloj, N. (2018). Antioxidant compounds of the edible mushroom Pleurotus ostreatus. *International Journal of Biotechnology for Wellness Industries*, 7(1), 1-14.
- Ernst & Young. (2018). *Konsumsi dan Preferensi Daging Sapi di Indonesia*. Ey Sweeney, 51 Retrieved From <https://www.redmeatcattlepartnership.org/files/hqvfo-26925-beef-consumption-consolidated-report-final-bahasa-indonesia.pdf>.
- Ferrero, C., Martino, M. N., & Zaritzky, N. E. (1993). Stability Of Frozen Starch Pastes: Effect Of Freezing, Storage And Xanthan Gum Addition. *Journal of Food Processing and Preservation*, 17(3), 191-211.
- Fitantri, A. L., Parnanto, N. H. R., & Praseptiangga, D. (2014). Kajian Karakteristik Fisikokimia dan Sensoris Fruit Leather Nangka (Artocarpus heterophyllus) dengan Penambahan Karaginan. *Jurnal Teknosains Pangan*, 3(1).
- Fleet, G. H. (2011). Yeast Spoilage of Foods and Beverages. *The Yeasts*, 53-63.
- Food Preservation by Low Temperatures. (2016). *Food Microbiology: Principles into Practice*, 34-43.
- Fu, B., & Labuza, T. P. (1997). Shelf-Life Testing: Procedures and Prediction Methods. *Quality in Frozen Foods*, 377-415.
- Grace, N. C., & Henry, C. J. (2020). The Physicochemical Characterization of Unconventional Starches and Flours Used in Asia. *Foods*, 9(2), 182.
- Golden, D. A., & Arroyo-Gallyoun, L. (1997). Relationship of frozen-food quality to microbial survival. In *Quality in frozen food* (pp. 174-193). Springer, Boston, MA.
- Grizio, M., & Specht, L. (2018). Plant-based egg alternatives: Optimizing for functional properties and applications. *The Good Food Institute*. Recuperado de <https://www.gfi.org>.
- Hassan, B. (2018). Carbohydrate fermentation test & starch hydrolysis test.
- Herlambang, A. S. (2013). KARAKTERISTIK PENERANGAN JAMUR TIRAM PUTIH (Pleurotus Ostreatus) MENGGUNAKAN MESIN PENERING TIPE FLUIDIZED BED.
- Hermanianto, J., & Andayani, R. Y. (2002). Study of Consumer Behaviour and Identification of Meat Ball Characteristics Based on Consumer Preferences in DKI Jakarta. *Jurnal Teknologi dan Industri Pangan*, 13(1), 1-1.
- Hernández, A., Pérez-Navado, F., Ruiz-Moyano, S., Serradilla, M. J., Villalobos, M. C., Martín, A., & Córdoba, M. G. (2018). Spoilage yeasts: What are the sources of contamination of foods and beverages? *International Journal of Food Microbiology*, 286, 98-110.
- Huang, S., & Miskelly, D. (2016). Introduction to Steamed Bread. *Steamed Breads*, 1-12.
- Imanningsih, N. (2012). Profil gelatinisasi beberapa formulasi tepung-tepungan untuk pendugaan sifat pemasakan (Gelatinisation profile of several flour formulations for estimating cooking behaviour). *Nutrition and Food Research*, 35(1), 13-22.
- Ismail-Fitry, M. R., & Abas, N. F. A. (2018). Potential Use of Jackfruit (Artocarpus Heterophyllus) and Breadfruit (Artocarpus Altilis) as Fat Replacer to Produce Low-Fat Chicken Patties. *International Journal of Engineering & Technology*, 7(4.14), 292-296.

- Jannah, U. Q. A. Y. N., Hidayati, D., & Jakfar, A. A. (2016). Karakteristik sensoris dan kimia pada abon nangka muda (*Artocarpus heterophyllus* LMK) dengan penambahan tempe. *Agrointek: Jurnal Teknologi Industri Pertanian*, 10(1), 48-54.
- Karam, L. B., Grossmann, M. V. E., Silva, R. S. S., Ferrero, C., & Zaritzky, N. E. (2005). Gel textural characteristics of corn, cassava and yam starch blends: a mixture surface response methodology approach. *Starch-Stärke*, 57(2), 62-70.
- Karyadi, J. N. W., Rahma, S., Sitindaon, R., Putri, D. G. P., & Ayuni, D. (2021). Drying Characteristics of Jackfruit and Snake Fruit using Freeze Dryer. *Pertanika Journal of Science & Technology*, 29(1).
- Krall, S. M., & McFeeters, R. F. (1998). Pectin hydrolysis: effect of temperature, degree of methylation, pH, and calcium on hydrolysis rates. *Journal of Agricultural and Food Chemistry*, 46(4), 1311-1315.
- Kumar, P., Chatli, M. K., Mehta, N., Singh, P., Malav, O. P., & Verma, A. K. (2015). Meat analogues: Health promising sustainable meat substitutes. *Critical Reviews in Food Science and Nutrition*, 57(5), 923-932.
- Kumar, V., & Yadav, U. (2014). Screening of antifungal activity of *Pleurotus ostreatus* and *Agaricus bisporus*. *Biolife*, 2(3), 918-923.
- Kok, E. J., Keijer, J., Kleter, G. A., & Kuiper, H. A. (2008). Comparative safety assessment of plant-derived foods. *Regulatory Toxicology and Pharmacology*, 50(1), 98-113.
- Lawrence, T. E., & Kropf, D. H. (2018). Vacuum Packaging of Meat. Reference Module in Food Science
- Lorenzo, J. M., Munekata, P. E., Dominguez, R., Pateiro, M., Saraiva, J. A., & Franco, D. (2018). Main groups of microorganisms of relevance for food safety and stability: general aspects and overall description. In *Innovative Technologies for Food Preservation* (pp. 53-107). Academic Press.
- Majesty, D., Ijeoma, E., Winner, K., & Prince, O. (2019). Nutritional, anti-nutritional and biochemical studies on the oyster mushroom, *Pleurotus ostreatus*. *EC Nutrition*, 14(1), 36-59.
- Mau, J. (2005). The umami taste of edible and medicinal mushrooms. *International Journal of Medicinal Mushrooms*, 7(1/2), 119.
- Measuring Moisture Content & Water Activity* - IFT.org. (2009). Retrieved 27 January 2021, from <https://www.ift.org/news-and-publications/food-technology-magazine/issues/2009/november/columns/laboratory>
- Miyawaki, O. (2018). Water and Freezing in Food. *Food Science and Technology Research*, 24(1), 1-21.
- Mulyaningsih, E., & Hartati, N. (2014). Kandungan amilosa dan karakteristik fisik tepung beras asal padi gogo lipi toleran kekeringan. In *Seminar Nasional Hasil Penelitian Unggulan Bidang Pangan Nabati Bogor* (pp. 199-209). Bogor. Retrieved 20 November 2020, from <http://lipi.go.id/publikasi/kandungan-amilosa-dan-karakteristik-fisik-tepung-beras-asal-padi-gogo-lipi-toleran-kekeringan/5620>
- New Zealand Food Safety Authority. (2005). *A Guide to Calculating the Shelf Life of Foods*. Wellington, New Zealand: New Zealand Food Safety Authority, 6-32.
- Palmer, S. (2014). Nutrients Of Concern For Individuals Following A Plant-based Diet. *Today's Dietitian*, 4-7. Retrieved 6 December 2020, from <http://www.todaysdietitian.com>.
- Pereira, J., Hu, H., Xing, L., Zhang, W., & Zhou, G. (2019). Influence of Rice Flour, Glutinous Rice Flour, and Tapioca Starch on the Functional Properties and Quality of an Emulsion-Type Cooked Sausage. *Foods*, 9(1), 9.
- Pham, Q. T., & Mawson, R. F. (1997). Moisture migration and ice recrystallization in frozen foods. In *Quality in frozen food*. Springer, Boston, MA, 67-91
- Prabpree, R., & Pongsawatmanit, R. (2011). Effect of tapioca starch concentration on quality and freeze-thaw stability of fish sausage. *Agriculture and Natural Resources*, 45(2), 314-324.
- Prayudisti, O. V. A. (2019). *Pengaruh proporsi nangka muda (Artocarpus heterophyllus) terhadap sifat fisikokimia dan organoleptik nugget ayam*. Doctoral dissertation, Widya Mandala Catholic University Surabaya.

- Priya, T. R., Nelson, A. R. L. E., Ravichandran, K., & Antony, U. (2019). Nutritional and functional properties of coloured rice varieties of South India: a review. *Journal of Ethnic Foods*, 6(1), 11.
- Purnomo, H., & Rahardiyana, D. (2008). Review article: Indonesian traditional meatball. *International Food Research Journal*, 15(2), 101-108.
- Rahman, M. S., & McCarthy, O. J. (1999). A classification of food properties. *International Journal of Food Properties*, 2(2), 93-99.
- Ranasinghe, R. A. S. N., Maduwanthi, S. D. T., & Marapana, R. A. U. J. (2019). Nutritional and health benefits of jackfruit (*Artocarpus heterophyllus* Lam.): A review. *International journal of food science*, 2019.
- Rodrigues, L. B. O., Veloso, C. M., Bonomo, R. C. F., Rodrigues, L. B., Minim, L. A., & Costa, R. A. (2018). Rheological and textural studies of arrowroot (*Maranta arundinacea*) starch–sucrose–whey protein concentrate gels. *Journal of food science and technology*, 55(8), 2974-2984.
- Merck. (2017). Safety Data Sheet for Plate count agar 105463. Version 2.7. Retrieved from [https://www.merckmillipore.com/ID/id/product/msds/MDA\\_CHEM-105463?ReferrerURL=https%3A%2F%2Fwww.google.com%2F](https://www.merckmillipore.com/ID/id/product/msds/MDA_CHEM-105463?ReferrerURL=https%3A%2F%2Fwww.google.com%2F)
- Merck. (2017). *Safety Data Sheet for Potato dextrose agar 110130*. Version 2.5. Retrieved from [https://www.merckmillipore.com/ID/id/product/msds/MDA\\_CHEM-110130?Origin=PDP&ReferrerURL=https%3A%2F%2Fwww.google.com%2F](https://www.merckmillipore.com/ID/id/product/msds/MDA_CHEM-110130?Origin=PDP&ReferrerURL=https%3A%2F%2Fwww.google.com%2F)
- Naczki, M., S. Grant, R. Zadernowski, and E. Barre. 2006. Protein precipitating capacity of phenolics of wild blueberry leaves and fruits. *Food Chemistry* 96 (4):640–7
- Saragih, R. (2015). Nugget Jamur Tiram (*Pleurotus Ostreatus*) Sebagai Alternatif Pangan Sehat Vegetarian.
- Sartika, D., Nainggolan, R. J., & Julianti, E. (2018). Pengaruh Perbandingan Nangka Muda dengan Jamur Tiram dan Penambahan Sukrosa terhadap Mutu Abon Nabati. *Journal of Food and Life Sciences*, 2(2), 123-133.
- Schnewberger, R., Voilley, A., & Weisser, H. (1978). Activity of water in frozen systems. *International Journal of Refrigeration*, 1(4), 201-206.
- Serdaroğlu, M., Kavuşan, H. S., İpek, G. A. M. Z. E., & Öztürk, B. U. R. C. U. (2018). Evaluation of the quality of beef patties formulated with dried pumpkin pulp and seed. *Korean journal for food science of animal resources*, 38(1), 1.
- Sigma Aldrich. (2006). *Product Information : Cycloheximide*. Retrieved 27 February 2021, from [https://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Sigma/Product\\_Information\\_Sheet/c7698pis.pdf](https://www.sigmaaldrich.com/content/dam/sigma-aldrich/docs/Sigma/Product_Information_Sheet/c7698pis.pdf)
- Standard Nasional Indonesia (SNI). 2014. *Bakso Daging*. BSN
- Speck, M. L., & Ray, B. (1977). Effects of Freezing and Storage on Microorganisms in Frozen Foods: A Review. *Journal of Food Protection*, 40(5), 333–336.
- Sperber, W. H. (2009). Introduction to the microbiological spoilage of foods and beverages. *In Compendium of the microbiological spoilage of foods and beverages*. Springer, New York, NY, 1-40.
- Spoilage of Vegetables and Fruits. (2016). *Food Microbiology: Principles into Practice*, 337–363
- Świeca, M., Gawlik-Dziki, U., Dziki, D., Baraniak, B., & Czyż, J. (2013). The influence of protein–flavonoid interactions on protein digestibility in vitro and the antioxidant quality of breads enriched with onion skin. *Food Chemistry*, 141(1), 451–458.
- Temperature Dependence of the pH of pure Water. (2020). Retrieved August 10, 2021, from <https://chem.libretexts.org/@go/page/1293>
- Titas, G., Aparajita, S., & Arpita, D. (2019). *Nutrition, Therapeutics and environment impact of oyster mushrooms: A low cost proteinaceous source*. *J Gynecol Women's Health*, 14, 555876.
- USDA. (2021). *Molds on Food: Are They Dangerous?*
- U.S. Food and Drug Administration. (1984). *Water Activity (aw) in Foods*. 39
- Vaclavik, V. A., & Christian, E. W. (2014). Pectins and gums. *In Essentials of food science*. Springer, New York, NY, 53-61.

- Van Buggenhout, S., Sila, D. N., Duvetter, T., Van Loey, A., & Hendrickx, M. (2009). Pectins in processed fruits and vegetables: Part III—Texture engineering. *Comprehensive reviews in food science and food safety*, 8(2), 105-117.
- Varavinit, S., Shobsngob, S., Varayanond, W., Chinachoti, P., & Naivikul, O. (2003). Effect of amylose content on gelatinization, retrogradation and pasting properties of flours from different cultivars of Thai rice. *Starch-Stärke*, 55(9), 410-415.
- Verma, A. K., Singh, V. P., & Pathak, V. (2015). Effect of jackfruit supplement and ageing on the Physico-chemical, texture and sensory characteristics of Chevon patties. *Journal of Applied Animal Research*, 43(3), 247-255.
- Xiao, C., & Anderson, C. T. (2013). Roles of pectin in biomass yield and processing for biofuels. *Frontiers in plant science*, 4, 67.
- Xiong, Y. L. (1997). Protein Denaturation and Functionality Losses. *Quality in Frozen Foods*, 111–140.
- Xu, H., T. Zhang, Y. Lu, X. Lin, X. Hu, L. Liu, Z. He, and X. Wu. 2019. Effect of chlorogenic acid covalent conjugation on the allergenicity, digestibility and functional properties of whey protein. *Food Chemistry* 298:125024
- Yu, S., Ma, Y., & Sun, D.-W. (2010). Effects of freezing rates on starch retrogradation and textural properties of cooked rice during storage. *LWT - Food Science and Technology*, 43(7), 1138–1143.
- Yulianti, S., Ratman, R., & Solfarina, S. (2017). Pengaruh waktu perebusan biji nangka (*artocapus heterophyllus lamk*) terhadap kadar karbohidrat, protein, dan lemak. *Jurnal Akademika Kimia*, 4(4), 210-216.
- Zhang, Q., Cheng, Z., Wang, Y., & Fu, L. (2020). Dietary protein-phenolic interactions: characterization, biochemical-physiological consequences, and potential food applications. *Critical Reviews in Food Science and Nutrition*, 1–27.