

DAFTAR PUSTAKA

- Abraham, A.G., G.L. De Antoni and M.C. Anon .(1993) roteolitic activity of *Lactobacillus bulgaricus* Cake in milk. *J. Dairy Sci.* 76:1498–1505.
- Ahmat Azemi, S. N., Zainul, N., Abd. Ghani, A., & Tang Yew Huat, J. (2021). Proximate Analysis of Goat Milk Yogurt Powder Produced by Freeze Drying and Vacuum-Oven Drying and Comparing with Freeze-Dried Yogurt Powder Prepared with Tualang Honey. *Journal of Agrobiotechnology*, 12(1S), 101–111. <https://doi.org/10.37231/jab.2021.12.1S.275>.
- Ahmed, M., Akter, M. S., Lee, J. C., & Eun, J. B. (2020). Impact of drying temperature on the physicochemical properties and rehydration of yogurt powder. *LWT - Food Science and Technology*, 117, 108658. <https://doi.org/10.1016/j.lwt.2019.108658>.
- Ahmed, Z., Wang, Y., Ahmad, A., Khan, S. T., Nisa, M., Ahmad, H., & Afreen, A. (2020). Kefir and health: A contemporary perspective. *Critical Reviews in Food Science and Nutrition*, 60(22), 4222–4237. <https://doi.org/10.1080/10408398.2019.1706759>
- Ahmed, Z., Wang, Y., Anjum, N., Ahmad, A., Khan, S., & Khan, S. (2020). Effects of spray drying on survival of probiotic bacteria in yogurt powder. *LWT Food Science and Technology*, 117, 108645. <https://doi.org/10.1016/j.lwt.2019.108645>
- Aminin, A. L. N., & Suyati, L. (2015). The bioelectricity of tofu whey in microbial fuel cell system with *Lactobacillus bulgaricus*. *Jurnal Sains Dan Matematika*, 23(1), 32–38.
- Amirdivani, S., & Baba, A. S. (2021). Fortification of yogurt with green tea: Effects on physicochemical, microbiological, and textural properties. *Food Research International*, 140, 110018. <https://doi.org/10.1016/j.foodres.2020.110018>
- Anli, E. A. (2022). Impact of vacuum Assisted Oven Drying of Kurut on Product Quality and Drying Characteristics. *Applied Sciences (Switzerland)*, 12(21). <https://doi.org/10.3390/app122111228>
- Basroni, A. T., Al-Baarri, A. N., & Legowo, A. M. (2018). Viability Lactic Acid Bacteria of Yogurt Powder With Carrageenan Addition. *Journal of Applied Food Technology*, 5(1), 19–21. <https://doi.org/10.17728/jaft.61>
- Chen, C., Zhao, S., Hao, G., Yu, H., Tian, H., & Zhao, G. (2022). Role of lactic acid bacteria in food fermentation and their antibacterial effect on spoilage microorganisms. *Food Control*, 138, 109016. <https://doi.org/10.1016/j.foodcont.2022.109016>
- Chen, X., Liu, X., Wang, Y., & Lu, Y. (2022). Influence of drying methods on probiotic survival and quality of yogurt powder. *International Dairy Journal*, 127, 105291. <https://doi.org/10.1016/j.idairyj.2022.105291>
- Cheng, H., Xu, Q., & Yang, Y. (2020). Impact of drying methods on flavor and volatile profiles of fermented milk products. *LWT – Food Science and Technology*, 133, 110088. <https://doi.org/10.1016/j.lwt.2020.110088>
- Choi, Y. J., Lee, J. H., & Kim, H. Y. (2019). Effect of spray-drying conditions on the physicochemical and sensory properties of yogurt powder. *Journal of Dairy Science*, 102(9), 7760–7770. <https://doi.org/10.3168/jds.2019-16526>
- Czernicka, M., Zaguła, G., Bajcar, M., Saletnik, B., & Puchalski, C. (2017). Study of nutritional value of dried tea leaves and infusions of black, green and white teas from Chinese plantations. *Roczniki Panstwowego Zakladu Higieny*, 68(3), 237–245.
- Dushkova, N., Boycheva, S., Mihaylova, D., & Naydenova, N. (2023). Microbiological, physicochemical, organoleptic, and rheological properties of Bulgarian probiotic yoghurts produced by ultrafiltered goat's milk. *Applied Sciences*, 13(13), 7986. <https://doi.org/10.3390/app13137986>
- Endar. 2006. Macam-macam Yoghurt. Gramedia. Jakarta. 99-100

- Eris, A., Suliansyah, I., & Yuniarto, B. (2023). Characteristics of yogurt powder produced by foam-mat drying with variation of dextrose equivalent (DE) and maltodextrin concentration. *Indonesian Food Science and Technology Journal*, 7(1), 63–75. <https://doi.org/10.22437/ifstj.v7i1.30152>.
- Fardiaz, S. 1989. *Mikrobiologi Pengolahan Pangan*. Bogor: PAU Pangan dan Gizi. Institut Pertanian Bogor. 184 Hal.
- Febriana, A. R., Hajrawati, H., & Hatta, W. (2025). Antioxidant activity and color of beef jerky with kluwek. *Theory and Practice of Meat Processing*, 10(2), 102–108. <https://doi.org/10.21323/2414-438X-2025-10-2-102-108>
- Fitratullah, A. M. N., Maruddin, F., Yuliati, F. N., Prahesti, K. I., & Taufik, M. (2019). Addition of red dragon fruit (*Hylocereus polyrhizus*) on yogurt: Effect on lactic acid content, pH, and the inhibition of *Escherichia coli* growth. *IOP Conference Series: Earth and Environmental Science*, 343(1), 0–6. <https://doi.org/10.1088/1755-1315/343/1/012034>.
- Food and Drug Administration (FDA). (2018). *Gras Notice For Stevia Leaf Extracts*. <https://www.fda.gov/media/119340/download>.
- Gallardo-Rivera, C., Báez-González, J. G., García-Alanís, K. G., Torres-Alvarez, C., Dares-Sánchez, K., Szymanski, A., Amaya-Guerra, C. A., & Castillo, S. (2021). Effect of three types of drying on the viability of lactic acid bacteria in foam-mat dried yogurt. *Processes*, 9(12), 1–14. <https://doi.org/10.3390/pr9122123>.
- Hee, C., & Haram, J. (2021). Study of solvent temperature on physical quality of yogurt green tea powder. *The 3rd International Conference of Animal Science and Technology*, 1–8. <https://doi.org/10.1088/1755-1315/788/1/012106>
- Hee, C., Haram, J., Ting, R., Chi, Z., Lee, H., & Geuk, H. (2018). Green tea powder supplementation enhances fermentation and antioxidant activity of set-type yogurt. *Food Science and Biotechnology*, 9, 1–9. <https://doi.org/10.1007/s10068-018-0370-9>.
- Jin, Q., He, J., Fan, L., & Xu, Y. (2023). Effect of processing conditions on the stability and antioxidant activity of tea polyphenols. *Antioxidants*, 12(2), 325. <https://doi.org/10.3390/antiox12020325>
- Karina, A. 2008. *Pemanfaatan jahe (Zingiber officinale Rosc.) dan teh hijau (Camellia sinensis) dalam pembuatan selai rendah kalori dan sumber antioksidan*. Skripsi. Institut Pertanian Bogor. Bogor.
- Katarzyna, W., Małgorzata, P., Agata, W., Wioletta, M., Jan, M., Katarzyna, R., & Maciej, W. (2022). Blood-Stained Colostrum: A Rare Phenomenon at an Early Lactation Stage. *Children*, 9(2), 1–6. <https://doi.org/10.3390/children9020213>.
- Khusmiati, T., Sumidjah dan R. Handayani. 2004. Pengaruh penambahan teh hijau terhadap sifat fisik dan kimiawi yoghurt. *Prosiding Seminar Nasional Teknologi Peternakan dan Veteriner*. Buku I. Pusat Penelitian dan Pengembangan Peternakan. Badan Penelitian dan Pengembangan Pertanian :262–267.
- Kim, S., Lee, H., & Park, J. (2021). Effect of drying temperature on physicochemical properties of green tea yogurt powder. *Food Science & Nutrition*, 9(4), 2345–2352. <https://doi.org/10.1002/fsn3.2234>.
- Koca, N., Erbay, Z., & Kaymak-Ertekin, F. (2015). Effects of spray drying conditions on the chemical, physical, and sensory properties of yogurt powder. *Journal of Dairy Science*, 98(5), 2934–2943. <https://doi.org/10.3168/jds.2014-9240>.
- Kurozawa, L.E., A.G. Morassi, A.A. Vanzo, K.J. Park and M.D. Hubinger. 2009. Influence of spray drying conditions on physicochemical properties of chicken meat powder. *Drying Technology*. 1248-1257.
- Lee, H., Park, S. Y., & Kim, Y. (2023). Effect of drying temperature on the survival of lactic acid bacteria and metabolite stability in yogurt powder. *Journal of Dairy Science*, 106(4), 2556–2567. <https://doi.org/10.3168/jds.2022-22718>.

- Lee, J., Park, S., & Kim, H. (2023). Protective effects of wall materials on lactic acid bacteria viability during spray drying and storage of probiotic powders. *Food Research International*, 167, 112632. <https://doi.org/10.1016/j.foodres.2023.112632>
- Lim, E. (2017). Effect of green tea supplementation on probiotic potential, physico-chemical, and functional properties of yogurt. *Korean Journal of Microbiology*, 53(2), 103–117.
- López, M., Torres, D., & Fernández, A. (2022). Optimization of drying conditions for maintaining yogurt quality. *Journal of Food Engineering*, 315, 110798. <https://doi.org/10.1016/j.jfoodeng.2021.110798>.
- Maruddin, F., R. Malaka, Fahrullah dan M. Taufik. 2018. Karakteristik edible film berbahan whey dangke dengan penambahan karagenan. *Jurnal Veteriner*. 19 (2). 291-297.
- Marzuki, 2003, Metodologi Penelitian, BPFE, Yogyakarta.
- Masykur, A dan Kusnadi J. 2015. Karakteristik kimia dan mikrobiologi yogurt bubuk kacang tunggak (*Vigna unguiculata* L.) metode pengeringan beku (kajian penambahan starter dan desktrin). *Jurnal Pangan dan Agroindustri*. 3(3).
- Mediani, A., Imran, A., Tan, C. P., Ismail, A., & Alasalvar, C. (2022). Effect of low-temperature drying on bioactive retention in plant-based and dairy food matrices. *Processes*, 10(4), 789.
- Mokrani, A., & Madani, K. (2020). Effect of drying temperature on phenolic content and antioxidant activity of selected medicinal plants. *Journal of Food Processing and Preservation*, 44(5), e14364. <https://doi.org/10.1111/jfpp.14364>.
- Munadi, L. O. M., Hidayat, H., Sahaba, L. O., & Inal, I. (2021). Pola dan Sistem Pemeliharaan Ternak Sapi Bali di Kabupaten Muna. *Jurnal Ilmiah Penyuluhan Dan Pengembangan Masyarakat*, 1(3), 131. <https://doi.org/10.56189/jipppm.v1i2.19968>
- Mutmainnah, N., S. Chadijah, dan M. Qaddafi. 2018. Penentuan suhu dan waktu optimum penyeduhan batang teh hijau (*Camelia sinensis* L.) terhadap kandungan antioksidan kafein, tanin, dan katekin. *Lantanida Journal*. 6(1):1-11.
- Nakazawa, Y. and A. Hasona. 1992. Function of fermented milk. Elsevier Applied Science. London. 495-503.
- Nowacka, M., Dadan, M., & Tylewicz, U. (2021). Current applications of ultrasound in fruit and vegetables osmotic dehydration processes. *Applied Sciences (Switzerland)*, 11(3), 1–22. <https://doi.org/10.3390/app11031269>.
- Nugroho, M. R., Wanniatie, V., Qisthon, A., & Septinova, D. (2023). Sifat Fisik Dan Total Bakteri Asam Laktat (Bal) Yoghurt Dengan Bahan Baku Susu Sapi Yang Berbeda. *Jurnal Riset Dan Inovasi Peternakan (Journal of Research and Innovation of Animals)*, 7(2), 279–286. <https://doi.org/10.23960/jrip.2023.7.2.279-286>.
- Pangestu, A. D., Kurniawan, K., & Supriyadi, S. (2021). Pengaruh Variasi Suhu dan Lama Penyimpanan terhadap Viabilitas Bakteri Asam Laktat (BAL) dan Nilai pH Yoghurt. *Borneo Journal of Medical Laboratory Technology*, 3(2), 231–236. <https://doi.org/10.33084/bjmlt.v3i2.2169>.
- Patel, R., Gupta, A., & Singh, V. (2022). Stability of lactic acid bacteria in yogurt during drying at moderate temperatures. *Journal of Dairy Science*, 105(2), 987–995. <https://doi.org/10.3168/jds.2021-21145>.
- Pisecky, J., Dimpler, J., & Schuck, P. (2020). Spray drying of dairy products: State of the art. *Dairy Science & Technology*, 100(2), 123–135. <https://doi.org/10.1016/j.idairyj.2020.104722>.
- Ptaszek, A., Socha, R., Najgebauer-Iejko, D., & Zmudzi, D. (2014). Textural properties of yogurts with green tea and Pu-erh tea additive. *International Journal of Food Science and Technology*, 49, 1149–1158. <https://doi.org/10.1111/ijfs.12411>.
- Rahmani, F., Gandomi, H., Farzaneh, M., Noori, N., & Faraki, A. (2021). Microbial

- physiochemical and functional properties of probiotic yogurt containing *Lactobacillus acidophilus* and *Bifidobacterium bifidum* enriched by green tea aqueous extract. *Food Science & Nutrition*, 9, 5536–5545. <https://doi.org/10.1002/fns3.2512>.
- Ramos, T. I., Silva, E. K., Meireles, M. A. A., & Perrone, D. (2020). Color changes and formation of Maillard reaction products in dairy products during spray drying and storage. *Food Research International*, 137, 109405. <https://doi.org/10.1016/j.foodres.2020.109405>.
- Rasul, S. F., Noori, R. J., Ali, K. M., Khdhir, R. B., Ahmed, S. R., & Qadir, A. M. (2022). Roles of different packaging materials on the quality and shelf life of yogurt. *Food Science and Technology (Brazil)*, 42, 1–6. <https://doi.org/10.1590/fst.70821>.
- Rohmah, A., Sulistyarningsih, T., & Kusnadi, J. (2022). Influence of different drying methods on phenolic content, flavonoids, and antioxidant activity of herbal extracts. *LWT – Food Science and Technology*, 154, 112693. <https://doi.org/10.1016/j.lwt.2021.112693>.
- Setiawan, A., Maruddin, F., & Malaka, R. (2021). Study of solvent temperature on physical quality of yogurt green tea powder Study of solvent temperature on physical quality of yogurt green tea powder. *The 3rd Internasional Conference of Animal Science and Technology*, 1–8. <https://doi.org/10.1088/1755-1315/788/1/012106>.
- Sharma, A., Jana, A. H., & Chavan, R. S. (2021). Effect of spray drying process parameters on physico-chemical, functional and reconstitution properties of yogurt powder. *Journal of Food Science and Technology*, 58(2), 678–687. <https://doi.org/10.1007/s13197-020-04565-9>
- Sharma, P., Tomar, S. K., Sangwan, V., Goswami, P., & Singh, R. (2021). Preservation of probiotic viability and physicochemical properties of yogurt powder during storage: Effect of drying methods. *Journal of Food Science and Technology*, 58(2), 585–594. <https://doi.org/10.1007/s13197-020-04560-7>
- Sharma, R., Sanodiya, B. S., Baghel, R. K., Pandey, A. K., & Yadav, A. (2021). Impact of drying techniques on probiotics: Viability, functionality, and storage stability. *Food Research International*, 147, 110547. <https://doi.org/10.1016/j.foodres.2021.110547>
- Shen, Y., Xu, Z., & Chen, Y. (2020). Effect of thermal treatment on chlorophyll stability in green tea products. *Journal of Food Processing and Preservation*, 44(5), e14325. <https://doi.org/10.1111/jfpp.14325>
- Shrestha, A. K., Ua-Arak, T., Adhikari, B., Howes, T., & Bhandari, B. (2017). Glass transition behavior of spray dried orange juice powder measured by differential scanning calorimetry (DSC) and thermal mechanical compression test (TMCT). *International Journal of Food Properties*, 20(sup3), S3143–S3155. <https://doi.org/10.1080/10942912.2017.1387314>
- Singh, H., Patel, A., & Selomulya, C. (2021). Foam-mat drying in dairy processing: Advances and applications. *Trends in Food Science & Technology*, 112, 577–589. <https://doi.org/10.1016/j.tifs.2021.04.006>
- Singh, R., & Sharma, S. (2020). Impact of drying temperature on pH and sensory attributes of fermented dairy products. *International Journal of Food Science*, 55(7), 1523–1531. <https://doi.org/10.1111/ijfs.14521>
- Song, L. and K. J. Aryana. 2014. Reconstituted yogurt from yogurt cultured milk powder mix has better overall characteristics than reconstituted yogurt from commercial yogurt powder. *J. Dairy Sci.* 97 :6007–6015.
- Sugars, C. A., Foam, S., Kubbutat, P., & Kulozik, U. (2021). Advances in drying technologies for thermolabile food ingredients. *Food Engineering Reviews*, 13(4), 451–466.

- Sumantri, I., (2004). Pemanfaatan Mangga Lewat Masak Menjadi Fruitghurt dengan Mikroorganisme *Lactobacillus bulgaricus*. Prosiding Seminar Nasional Rekayasa Kimia dan Proses. Jurusan Teknik Kimia Fakultas Teknik UNDIP
- Sumarto, S., Sukariyah, S., Prihatini, R., & Widianingsih, E. (2023). Physical and organoleptic properties of freeze-dried local beans and salak yogurt powder. *Journal of Tropical Life Science*, 13(2), 311–318. <https://doi.org/10.11594/jtls.13.02.18>.
- Sun, Q., Liang, Y., & Guo, M. (2020). Heat treatment effects on the rheological and textural properties of fermented milk products. *Journal of Dairy Science*, 103(5), 3896–3908. <https://doi.org/10.3168/jds.2019-17892>
- Terpiłowski, K., Lange, I., Kowalczyk, K., Nska-Mleko, M. T., Sapiga, V., Wesolowska-Trojanowska, M., Mleko, S., & Pérez-Huertas, S. (2023). Impact of Storage Conditions of Yogurt Dry Ingredients on the Physicochemical Properties of the Final Product. *Applied Sciences (Switzerland)*, 13(24), 1–14. <https://doi.org/10.3390/app132413201>
- Towaha, J. (2013) Kandungan senyawa kimia pada daun teh (*Camellia sinensis*). *Warta Penelitian dan Pengembangan Tanaman Industri*, 19(3): 12-16.
- Wang, J., Liu, X., & Zhao, L. (2021). Influence of drying temperature on color, phenolic content, and antioxidant activity of green tea powder. *Food Chemistry*, 340, 127933. <https://doi.org/10.1016/j.foodchem.2020.127933>
- Wang, R., Zhao, W., & Chen, X. (2019). Influence of drying conditions on the functional properties of yogurt powders. *International Dairy Journal*, 96, 79–85. <https://doi.org/10.1016/j.idairyj.2019.04.002>
- Widodo. 2003. *Bioteknologi Industri Susu*. Lacticia Press. Yogyakarta. Andi Offset.
- Xiang, J., Yang, C., & Zhang, Y. (2021). Thermal degradation of epigallocatechin gallate and its impact on antioxidant activity of green tea extract. *Food Chemistry*, 344, 128733. <https://doi.org/10.1016/j.foodchem.2020.128733>.
- Yamanishi, T. 1995. Biochemistry on the chemical component in tea. *Proc. of 95 International Tea–Quality–Human Health Symp.* 7(10): 31–37.
- Zhang, L., Chen, W., Wang, Y., & Xu, Y. (2021). Influence of drying temperature on the quality characteristics of probiotic yogurt powder. *Food Chemistry*, 356, 129707. <https://doi.org/10.1016/j.foodchem.2021.129707>
- Zhang, Y., Wu, S., Zhang, C., & Li, X. (2021). Effect of spray-drying conditions on volatile compounds and aroma characteristics of dairy powders. *Journal of Food Science*, 86(3), 945–956. <https://doi.org/10.1111/1750-3841.15643>
- Zhao, L., Chen, Y., & Wang, X. (2023). High-temperature drying effects on yogurt microstructure and acidity. *LWT – Food Science and Technology*, 170, 114080. <https://doi.org/10.1016/j.lwt.2023.114080>
- Zheng, J., Wittouck, S., Salvetti, E., Franz, C. M., Harris, H. M. B., Mattarelli, P., ... & Lebeer, S. (2021). A taxonomic note on the genus *Lactobacillus*: Description of 23 novel genera, emended description of the genus *Lactobacillus* Beijerinck 1901, and union of the genera *Pediococcus* and *Lactobacillus*. *International Journal of Systematic and Evolutionary Microbiology*, 70(4), 2782–2858. <https://doi.org/10.1099/ijsem.0.004107>.
- Zhu, L., Wu, Y., Liu, H., Zhang, Y., & Chen, Y. (2023). Effects of different drying methods on the quality and bioactive components of plant-based materials. *Foods*, 12(12), 2442.
- Zhu, Y., Chen, X., Chen, H., & Zhao, J. (2020). Effect of drying methods on color, antioxidant capacity, and flavor compounds of yogurt powder. *LWT - Food Science and Technology*, 133, 110102. <https://doi.org/10.1016/j.lwt.2020.110102>
- Zorzi, A., Marra, M. P., Rigato, I., De Lazzari, M., Susana, A., Niero, A., Pilichou, K., Migliore, F., Rizzo, S., Giorgi, B., De Conti, G., Sarto, P., Serratososa, L., Patrizi, G.,

De Maria, E., Pelliccia, A., Basso, C., Schiavon, M., Bauce, B., Corrado, D. (2016). Nonischemic left ventricular scar as a substrate of life-threatening ventricular arrhythmias and sudden cardiac death in competitive athletes. *Circulation: Arrhythmia and Electrophysiology*, 9(7), 1–14. <https://doi.org/10.1161/CIRCEP.116.004229>.