

DAFTAR PUSTAKA

- Abdeldaiem, A. M. et al., 2023. Physicochemical analysis, rheological properties, and sensory evaluation of yogurt drink supplemented with roasted barley powder. *LWT - Food Science and Technology*, 15(2), pp. 1-9.
- Andiç, S., Boran, G. & Tunçtürk, Y., 2013. Effects of Carboxyl Methyl Cellulose and Edible Cow Gelatin on Physico-chemical, Textural and Sensory Properties of Yoghurt. *International Journal Of Agriculture & Biology*, pp. 245-251.
- AOAC, 1992. *AOAC Official Method 989.05 Fat in Milk Modifier Mojonnier Ether Extraction Method*. Washington D.C.: AOAC International.
- AOAC, 1996. *Official Methods of Analysis of The Association of Official Analytical Chemists. 16th Ed.*. Washington D.C.: AOAC International.
- AOAC, 2000. *Official Methods of Analysis of The Association of Official Analytical Chemists. 17th Ed.*. Washington D.C.: AOAC International.
- AOAC, 2012. *Official Methods of Analysis of The Association of Official Analytical Chemists. 19th Ed.*. Washington D.C.: AOAC International.
- Ares, G. et al., 2007. Influence of gelatin and starch on the instrumental and sensory texture of stirred yogurt. *International Journal of Dairy Technology*, 60(4), pp. 263-269.
- Arioui, F., Saada, D. A. & Cheriguene, A., 2018. Functional Properties of Bovine Bone Gelatin and Impact on Physicochemical, Microbiological and Organoleptic Quality of Set Yogurt. *Biotechnology*, pp. 1-11.
- Badan Standardisasi Nasional, 2009. *Yogurt*. Jakarta: Badan Standardisasi Nasional.
- Barkallah, M. et al., 2017. Effect of Spirulina platensis fortification on physicochemical, textural, antioxidant and sensory properties of yogurt during fermentation and storage. *LWT - Food Science and Technology*, pp. 323-330.
- Bchir, B. et al., 2019. Investigation of physicochemical, nutritional, textural, and sensory properties of yoghurt fortified with fresh and dried Spirulina (Arthrospira platensis). *International Food Research Journal*, 26(5), pp. 1565-1576.

- Beheshtipour, H., Mortazavian, A. M., Haratian, P. & Darani, K. K., 2012. Effects of *Chlorella vulgaris* and *Arthrospira platensis* addition on viability of probiotic bacteria in yogurt and its biochemical properties. *Eur Food Res Technol*, pp. 719-728.
- Belay, A., 2008. Spirulina (*Arthrospira*): Production and Quality Assurance. In: *Spirulina in Human Nutrition and Health*. Boca Raton: CRC Press, pp. 1-26.
- Bortolini, D. G. et al., 2022. Functional properties of bioactive compounds from *Spirulina* spp.: Current status and future trends. *Food Chemistry: Molecular Sciences*, pp. 1-12.
- Brisson, G. & Singh, H., 2013. Milk composition, physical and processing characteristics. In: R. C. Chandan & A. Kilara, eds. *Manufacturing Yogurt and Fermented Milks, Second Edition*. Chichester: John Wiley & Sons, Inc., pp. 21-48.
- Cahyaningati, K., 2023. *Pengembangan Produk Yogurt Drink dengan Lactiplantibacillus plantarum subsp. plantarum Dad-13*. Tesis. Yogyakarta: Fakultas Teknologi Pertanian Universitas Gadjah Mada.
- Cahyanti, T. & Najib, M., 2016. Analisis Preferensi Konsumen terhadap Atribut Yogurt Drink (Studi Kasus Kota Bogor Jawa Barat). *Jurnal Aplikasi Manajemen*, 14(1), pp. 176-183.
- Castro, E. d. M., Shannon, E. & Abu-Ghannam, N., 2019. Effect of Fermentation on Enhancing the Nutraceutical Properties of *Arthrospira platensis* (*Spirulina*). *Fermentation*, pp. 1-16.
- Chen, C. et al., 2022. The potential and challenge of microalgae as promising future food sources. *Trends in Food Science & Technology*, pp. 99-112.
- Christwardana, M., Nur, M. M. A. & Hadiyanto, 2011. Spirulina platensis: Potensinya Sebagai Bahan Pangan Fungsional. *Jurnal Aplikasi Teknologi Pangan*, 2(1), pp. 1-4.
- Cohen, Z., 1997. The Chemicals of Spirulina . In: *Spirulina platensis (Arthrospira): Physiology, cell-biology and biotechnology*. London: Taylor & Francis Ltd, pp. 175-204.

- da Silva, S. C. et al., 2019. Spray-dried *Spirulina platensis* as an effective ingredient to improve yogurt formulations: Testing different encapsulating solutions. *Journal of Functional Foods*, pp. 1-13.
- Damayanti, N. H., Setyawardani, T. & Widayaka, K., 2020. Viskositas dan Total Padatan Yogurt Susu Kambing dengan Penambahan Ekstrak Daun Kelor (*Moringa oleifera*). *Journal of Animal Science and Technology*, pp. 251-258.
- de Oliveira, M., 2014. Fermented Milks: Fermented Milks and Yogurt. Second Edi. Vol. 2. In: *Encyclopedia of Food Microbiology: Second Edition*. s.l.:Elsevier, pp. 908-922.
- Farhah, A. N. & Ekantari, N., 2020. Combination of Sodium Alginate and Kappa-Carrageenan Increases Texture Stability of *Spirulina platensis* Ice Cream. *E3S Web of Conferences*, pp. 1-12.
- Goff, H. D., Hill, A. & Ferrer, M. A., 1996. *Dairy Science and Technology Ebook*. Canada: University of Guelph.
- Hafiizha, A., Kayaputri, I. L., Tensiska & Amalia, N. R., 2020. The Effect of Skim Milk Concentration on Sensory Quality and pH of Probiotic Yoghurt Added With Red Dragon Fruit (*Hylocereus polyrhizus*). *Jurnal Ilmu dan Teknologi Hasil Ternak*, 15(1), pp. 52-60.
- Hashim, I., Khalil, A. & Habib, H., 2009. Quality and acceptability of a set-type yogurt made from camel milk. *Journal of Dairy Science*, 92(3), p. 857–862.
- Herawati, D. A. & Wibawa, D. A. A., 2011. Pengaruh Konsentrasi Susu Skim dan Waktu Fermentasi terhadap Hasil Pembuatan Soyghurt. *Jurnal Ilmiah Teknik Lingkungan*, 1(2), pp. 48-58.
- Hidayat, I. R., Kusrahayu & Mulyani, S., 2013. Total Bakteri Asam Laktat, Nilai pH dan Sifat Organoleptik Drink Yoghurt dari Susu Sapi yang Diperkaya dengan Ekstrak Buah Mangga. *Animal Agriculture Journal*, 2(1), pp. 160-167.
- Hosseini, S. M., Shahbazizadeh, S., Khosravi-Darani, K. & Mozafari, M. R., 2013. *Spirulina platensis*: Food and Function. *Current Nutrition & Food Science*, 9(2), pp. 1-5.

- Jakpat, 2016. *Drink It or Spoon It: Survey Report on Indonesian Yoghurt Consumption Pattern*. [Online] Available at: <https://blog.jakpat.net/drink-it-or-spoon-it-survey-report-on-indonesian-yoghurt-consumption-pattern/> [Accessed 29 February 2024].
- JECFA, 2006. *Combined Compendium of Food Additive Specifications: Edible Gelatin*. s.l.:Food and Agriculture Organization of the United Nations.
- Karseno, Erminawati, Yanto, T. & Handayani, I., 2021. The effect of coconut sap and skim milk concentration on physicochemical and sensory characteristic of coconut sap drink yogurt. *IOP Conf. Series: Earth and Environmental Science*, pp. 1-8.
- Kementerian Perindustrian, 2016. *Perkembangan Impor Kelompok Olahan Produk Susu Lainnya*. [Online] Available at: <https://kemenperin.go.id/statistik/barang.php?ekspor=&kode=202010043> [Accessed 18 March 2024].
- Khoerunisa, T. K., 2020. Review : Pengembangan Produk Pangan Fungsional Di Indonesia Berbasis Bahan Pangan Lokal Unggulan. *Indonesian Journal of Agricultural and Food Research*, 2(1), pp. 49-59.
- Kim, M., Oh, S. & Imm, J.-Y., 2018. Buffering Capacity of Dairy Powders and Their Effect on Yoghurt Quality. *Korean Journal for Food Science of Animal Resources*, pp. 273-281.
- Koksoy, A. & Kilic, M., 2004. Use of hydrocolloids in textural stabilization of a yoghurt drink, ayran. *Food Hydrocolloids*, p. 593–600.
- Lafarga, T., Fernández-Sevilla, J. M., González-López, C. & Acién-Fernández, F. G., 2020. Spirulina for the food and functional food industries. *Food Research International*, pp. 1-10.
- Lawless, H. T. & Heymann, H., 2010. *Sensory Evaluation of Food: Principles and Practices*. 2nd ed. London: Springer.

- Leko, A., Lawalata, V. N. & Nendissa, S. J., 2018. Kajian Penambahan Konsentrasi Susu Skim Terhadap Mutu Minuman Yogurt dari Limbah Air Cucian Beras Lokal. *Agritekno*, 7(2), pp. 49-55.
- Luwidharto, J. C. N. et al., 2022. Effects of *Spirulina platensis* Addition on Growth of *Lactobacillus plantarum* Dad 13 and *Streptococcus thermophilus* Dad 11 in Fermented Milk and Physicochemical Characteristics of the Product. *Applied Food Biotechnology*, 9(3), pp. 205-216.
- Malaka, R., Ningrum, E. M. & Hajrawati, 2020. Yoghurt Syneresis with Addition of Agar as Stabilizer. *Hasanuddin Journal of Animal Science*, 2(1), pp. 43-51.
- Meunier-Goddik, L., 2004. Sour Cream and Crème Fraîche. In: *Handbook of Food and Beverage Fermentation Technology*. New York: Marcel Dekker, Inc..
- Moorhead, K., Capelli, B. & Cysewski, G. R., 2011. *Spirulina: Nature's Superfood*. 3rd ed. Kailua-Kona: Cyanotech Corporation.
- Nazir, F. et al., 2022. Development, quality assessment and nutritive valorization of *Spirulina platensis* in yogurt spread. *Food Science and Applied Biotechnology*, 5(2), pp. 106-118.
- Niccolai, A. et al., 2019. Lactic acid fermentation of *Arthrospira platensis* (spirulina) biomass for probiotic-based products. *Journal of Applied Phycology*, pp. 1077-1083.
- Nisfa, B. L., 2022. *Jumlah Sel Bakteri Asam Laktat dan Karakteristik Kimia Susu Fermentasi Probiotik dengan Penambahan Spirulina Platensis Menggunakan Kultur Campuran*. Skripsi. Yogyakarta: Fakultas Teknologi Pertanian Universitas Gadjah Mada.
- O'Rell, K. & Chandan, R. C., 2013. Manufacture of various types of yogurt. In: R. C. Chandan & A. Kilara, eds. *Manufacturing Yogurt and Fermented Milks, Second Edition*. United Kingdom: John Wiley & Sons, Inc, pp. 263-296.
- Ozyurt, G. et al., 2023. Chemical and physical characterization of microencapsulated *Spirulina* fermented with *Lactobacillus plantarum*. *Algal Research*, pp. 1-11.

- Pancapalaga, W. & Ashari, B., 2020. Rabbit Skin Gelatine Effect Towards Yoghurt Quality. *Food Science and Technology Journal*, 3(1), pp. 33-37.
- Pan-Utai, W., Atkonghan, J., Onsamark, T. & Imthalay, W., 2020. Effect of Arthrospira Microalga Fortification on Physicochemical Properties of Yogurt. *Current Research in Nutrition and Food Science*, 8(2), pp. 531-540.
- Permadi, S. N., Legowo, A. M., Pramono, Y. B. & Al-Baarri, N., 2013. Perubahan Kadar Keasaman, Intensitas Aroma, dan Kesukaan Yogurt Drink Setelah Fortifikasi Ekstrak Salak. *Jurnal Teknologi Hasil Pertanian*, 6(1), pp. 46-50.
- Priadi, G., Kristi, C. & Azizah, I. N., 2022. Pengaruh Penambahan Skim dan Gelatin pada Karakteristik Fisikokimia Minuman Whey Fermentasi. Purwokerto, Fakultas Peternakan Universitas Jenderal Soedirman, pp. 569-577.
- Priyanka, S., Varsha, R., Verma, R. & Babu, A. S., 2023. Spirulina: A Spotlight on Its Nutraceutical Properties and Food Processing Applications. *Journal of Microbiology, Biotechnology, and Food Sciences*, 12(6), pp. 1-12.
- Rahmawati, D. & Kusnadi, J., 2017. Penambahan Sari Buah Murbei (Morus alba L) dan Gelatin Terhadap Karakteristik Fisiko-Kimia dan Mikrobiologi Yoghurt Susu Kedelai. *Jurnal Pangan dan Agroindustri*, pp. 83-94.
- Ranadheera, C. S., Evans, C., Adams, M. C. & Baines, S. K., 2012. Probiotic viability and physico-chemical and sensory properties of plain and stirred fruit yogurts made from goat's milk. *Food Chemistry*, pp. 1411-1418.
- Rana, M. S. et al., 2020. Formulation of A Newly Developed Dietary Supplement From Marine Sources. *International Journal of Modern Pharmaceutical Research*, 4(1), pp. 12-17.
- Rani, R., Unnikrishnan, V., Dharaiya, C. & Singh, B., 2012. Factors Affecting Syneresis in Yoghurt: A Review. *Indian J. Dairy and Biosci.*, pp. 1-9.
- Saharan, V. & Jood, S., 2017. Nutritional Composition of Spirulina platensis Powder and Its Acceptability In Food Products. *International Journal of Advanced Research*, 5(6), pp. 2295-2300.

- Sawitri, M. E., Manab, A. & Palupi, T. W. L., 2008. Kajian Penambahan Gelatin Terhadap Keasaman, pH, Daya Ikat Air dan Sineresis Yogurt. *Jurnal Ilmu dan Teknologi Hasil Ternak*, 3(1), pp. 35-42.
- Schrieber, R. & Gareis, H., 2007. *Gelatine Handbook: Theory and Industrial Practice*. Weinheim: WILEY-VCH Verlag GmbH & Co. KGaA.
- Sfakianakis, P. & Tzia, C., 2014. Conventional and Innovative Processing of Milk for Yogurt Manufacture; Development of Texture and Flavor: A Review. *Foods*, pp. 176-193.
- Sodini, I. & Tong, P. S., 2013. Milk and milk-based ingredients. In: *Manufacturing Yoghurt and Fermented Milks, Second Edition*. United Kingdom: John Wiley & Sons, Inc., pp. 177-191.
- Stobiecka, M., Król, J. & Brodziak, A., 2022. Antioxidant Activity of Milk and Dairy Products. *Animals*, pp. 1-27.
- Syamsuddin, Y., Meilina, H., Septavia, F. & Darmawan, R., 2013. Effect of Skimmed-Milk and Starter Addition on Lactic Acid Formation in Soyghurt. *International Journal on Advanced Science Engineering and Information Technology*, 3(4), pp. 51-54.
- Tamime, A. & Robinson, R., 2007. *Yoghurt: Science and Technology*. 3rd ed. Boca Raton: CRC Press.
- Tomaselli, L., 1997. Morphology, Ultrastructure and Taxonomy of *Arthrospira* (*Spirulina*) *maxima* and *Arthrospira* (*Spirulina*) *platensis*. In: *Spirulina platensis (Arthrospira): Physiology, cell-biology and biotechnology*. London: Taylor & Francis Ltd, pp. 1-16.
- Trachoo, N., 2002. Yogurt: The fermented milk. *Songklanakarin J. Sci. Technol.*, 24(4), pp. 727-737.
- U.S. Dairy Export Council, 2005. *Reference Manual for U.S. Milk Powders*. Arlington: U.S. Dairy Export Council.
- Ulyatu, F., Pudji, H., Tyas, U. & Umar, S., 2015. The changes of sesaminol triglucoside and antioxidant properties during fermentation of sesame milk by *Lactobacillus plantarum* Dad 13. *International Food Research Journal*, 22(5), pp. 1945-1952.

- Vedamuthu, E. R., 2013. Starter cultures for yogurt and fermented milks. In: A. K. Ramesh C. Chandan, ed. *Manufacturing Yogurt and Fermented Milks, Second Edition*. United Kingdom: John Wiley & Sons, Inc., pp. 115-148.
- Vinderola, C., Bailo, N. & Reinheimer, J., 2000. Survival of probiotic microflora in Argentinian yoghurts during refrigerated storage. *Food Research International*, pp. 97-102.
- Vonshak, A., 1997. *Spirulina platensis (Arthrospira): Physiology, cell-biology and biotechnology*. London: Taylor & Francis Ltd.
- Wahyudi, M., 2006. Proses Pembuatan dan Analisis Mutu Yoghurt. *Buletin Teknik Pertanian*, 11(1), pp. 12-16.
- Walstra, P., Wouters, J. T. M. & T. J. G., 2006. *Dairy science and technology*. 3rd ed. Boca Raton: CRC Press.
- Wang, Y.-Y., Xu, B.-L., Dong, C.-M. & Sun, Y.-Y., 2023. The nutritional value of Spirulina and utilization. *Life Research*, 6(3), pp. 1-12.
- Wu, Q. et al., 2016. The antioxidant, immunomodulatory, and anti-inflammatory activities of Spirulina: an overview. *Arch Toxicol*, pp. 1817-1840.
- Zaqiyah, Z., 2022. *Pengaruh Penambahan Spirulina platensis terhadap Karakteristik Fisik Susu Fermentasi Probiotik Menggunakan Kultur Campuran. Skripsi..* Yogyakarta: Fakultas Teknologi Pertanian Universitas Gadjah Mada.
- Zhi, N.-N.et al., 2018. Development of a dynamic prediction model for shelf-life evaluation of yogurt by using physicochemical, microbiological and sensory parameters. *Journal of Food*, 16(1), pp. 42-49.