

DAFTAR PUSTAKA

- AOAC. 1995. *Official Methods of Analysis of Association of Official Analytical Chemist*. AOAC International. Virginia USA.
- Abdullah, E. C., & Geldart, D. (1999). The Use Of Bulk Density Measurements As Flowability Indicators. *Powder Technology*, 102(2), 151-165.
- Azra, J. M., Setiawan, B., Nasution, Z., Sulaeman, A., & Estuningsih, S. (2023). Kandungan Gizi Dan Manfaat Air Kelapa Terhadap Metabolisme Diabetes: Kajian Naratif. *Amerta Nutrition*, 7(2), 317-325.
- Berk, Z. (2009). *Food Process Engineering and Technology* (1 ed.). United States: Academic Press.
- Buyanova, I. V., Lupinskaya, S. M., Ostroumov, L. A., & Mazeeva, I. A. (2021, February). *Innovative Low Temperature Methods Of Milk Whey Processing*. IOP Conference Series: Earth and Environmental Science (Vol. 640, No. 3, p. 032007). IOP Publishing.
- Chen, L. A., and Sears, C. L. (2015). “*Prebiotics, probiotics, and Synbiotics*” in *Mandell, Douglas, and Bennett’s principles and practice of infectious diseases*. eds. J. E. Bennett, R. Dolin and M. J. Blaser. 8th ed (Philadelphia: Elsevier), 19–25.e1.
- Cuq, B., Rondet, E., & Abecassis, J. (2011). Food Powders Engineering, Between Knowhow and Science: Constraints, Stakes And Opportunities. *Powder technology*, 208(2), 244-251.
- Dewi, A. K., & Satibi, L. (2015). Kajian Pengaruh Temperatur Pengeringan Semprot (*Spray Dryer*) Terhadap Waktu Pengeringan dan Rendemen Bubuk Santan Kelapa (Coconut Milk Powder). *Jurnal Konversi*, 4(1).
- Ding, H., Li, B., Boiarkina, I., Wilson, D. I., Yu, W., & Young, B. R. (2020). Effects of Morphology on the Bulk Density of Instant Whole Milk Powder . *Foods*, 9(8), 1-19.
- Domínguez-Niño, A., Cantú-Lozano, D., Ragazzo-Sanchez, J. A., Andrade-González, I., & Luna-Solano, G. (2018). Energy Requirements And Production Cost Of The Spray Drying Process Of Cheese Whey. *Drying Technology*, 36(5), 597-608.

- Fadhilah, D. N., & Flora, R. (2025). Pengembangan Produk Kerupuk dengan Penambahan Limbah Cangkang Udang dan Daun Kelor (*Moringa Oleifera*). *Jurnal Sains Dan Teknologi Pangan*, 10(2).
- Fenster, K., Freeburg, B., Hollard, C., Wong, C., Rønhave Laursen, R., & Ouwehand, A. C. (2019). The production and delivery of probiotics: A review of a practical approach. *Microorganisms*, 7(3), 83.
- Food and Agriculture Organization of the United Nations. (2010). *Codex standard for whey powders*. Codex Stan, c, 289.
- Fransiska, N. 2018. Stabilitas Emulsi Dengan Penstabil Pati Termodifikasi dan Pengaruh Jenis Gula Terhadap Aktivitas Antioksidan Minuman Emulsi Jernang. Skripsi. Universitas Jambi. Jambi
- Huda, S. (2020). Efek Evaporasi dan Suhu Pendinginan *Spraydrying* Terhadap Karakteristik Fisik dan Kimia *Whey* Bubuk. *Jurnal Teknologi Hasil Pertanian*, 13(2), 84-93.
- Ikrawan, Y., Rukmana, J., Yellianty, Hariadi, H., Hidayat, & Rahmawati, L. (2023). Effect of trehalose and butterfly pea (*Clitoris ternatea* L.) on physicochemical characteristics of drum dried milk powder. *Food Science and Technology*, 43(1), 1-7.
- Imtiaz-Ul-Islam, M., & Langrish, T. A. G. (2009). Comparing The Crystallization of Sucrose and Lactose in Spray Dryers. *Food and Bioproducts Processing*, 87(2), 87-95.
- Klompong, V., Benjakul, S., Kantachote, D., & Shahidi, F. (2009). Characteristics and Use of Yellow Stripe Trevally Hydrolysate as Culture Media. *Journal of Food Science*, 74(6), 19-25.
- Konstantinov, S. R., Kuipers, E. J., & Peppelenbosch, M. P. (2013). Functional genomic analyses of the gut microbiota for CRC screening. *Nature Reviews Gastroenterology & Hepatology*, 10(12), 741-745.
- Lee, J. W., Thomas, L. C., & Schmidt, S. J. (2011). Can the thermodynamic melting temperature of sucrose, glucose, and fructose be measured using rapid-scanning differential scanning calorimetry (DSC)?. *Journal of agricultural and food chemistry*, 59(7), 3306-3310.
- Mujumdar, A.S. (Ed.). (2014). *Handbook of Industrial Drying (4th ed.)*. CRC Press. <https://doi.org/10.1201/b17208>

- Patil, S., Sawant, S., Hauff, K., & Hampp, G. (2019). Validated postbiotic screening confirms presence of physiologically-active metabolites, such as short-chain fatty acids, amino acids and vitamins in Hylak® Forte. *Probiotics and antimicrobial proteins*, 11(4), 1124-1131.
- Poernomo, A., Ariyani, F., & Murdinah. (2019). Store Stability of Fish Waste Peptone at Ambient Temperature. *Bulletin of Marine and Fisheries Postharvest and Biotechnology*, 14(2), 55-64.
- Rahmawati, I. S., Zubaida, E., & Saparianti, E. (2015). Evaluasi Pertumbuhan Isolat Probiotik (L. Casei Dan L. Plantarum) Dalam Medium Fermentasi Berbasis Ubi Jalar (Ipomoea Batatas L.) Selama Proses Fermentasi (Kajian Jenis Isolat Dan Jenis Tepung Ubi Jalar). *Jurnal Aplikasi Teknologi Pangan*, 4(4), 133-141.
- Ryabova, A. E., Semipyatny, V. K., & Galstyan, A. G. . (2023). Effect of Storage Conditions on Milk Powder Properties. *Journal of Dairy Science*, 106(10), 6741-6758.
- Sa'diah, E. H., Putri, S. A., Wahyuni, A. D., Amelia, D., Putra, F. S., & Hapsari, D. R. (2024). Kajian Pustaka: Manfaat Tomat (Solanum Lycopersicum L.) sebagai Likopen dan Sumber Antioksidan Alami. *Karimah Tauhid*, 3(12), 13949-13960.
- Samantha, S. C., Bruna, A. S. M., Adriana, R. M., Fabio, B., Sandro, A. R., & Aline, R. C. A. (2015). Drying By Spray Drying In The Food Industry: Micro-Encapsulation, Process Parameters And Main Carriers Used. *African Journal of Food Science*, 9 (9), 462–470. <https://doi.org/10.5897/ajfs2015.1279>
- Samborska, K., & Bienkowska, B. (2013). Physicochemical Properties Of Spray Dried Honey Preparations. *Zeszyty Problemowe Postępów Nauk Rolniczych*, (575).
- Scott, E., De Paepe, K., & Van de Wiele, T. (2022). *Postbiotics* and their health modulatory biomolecules. *Biomolecules*, 12(11), 1640.
- Shishir, M. R. I., & Chen, W. (2017). Trends Of Spray Drying: A Critical Review On Drying Of Fruit And Vegetable Juices. *Trends in food science & technology*, 65, 49-67.

- Shittu, T.A., Lawal, M.O., 2007. Factors Affecting Instant Properties Of Powdered Cocoa Beverages. *Food Chem.* 100 (1), 91–98
- Singh, R. P., & Heldman, D. R. (2001). *Introduction to food engineering*. Gulf Professional Publishing.
- Tamime, A. Y. (2009). Dairy Powders and Concentrated Products. In Dairy Powders and Concentrated Products. <https://doi.org/10.1002/9781444322729>
- Thorakkattu, P., Khanashyam, A. C., Shah, K., Babu, K. S., Mundanat, A. S., Deliephan, A., ... & Nirmal, N. P. (2022). *Postbiotics: Current Trends In Food And Pharmaceutical Industry. Foods*, 11(19), 3094.
- Toda, A., Yamamura, R., Taguchi, K., Fukushima, T., & Kaji, H. (2018). Kinetics Of “Melting” Of Sucrose Crystals. *Crystal Growth & Design*, 18(4), 2602-2608.
- Tonon, R. V., Baroni, A. F., Brabet, C., Gibert, O., Pallet, D., & Hubinger, M. D. (2009). Water Sorption And Glass Transition Temperature Of Spray Dried Açai (*Euterpe Oleracea* Mart.) Juice. *Journal of food engineering*, 94(3-4), 215-221.
- Tontul, I., & Topuz, A. (2017). Spray-Drying Of Fruit And Vegetable Juices: Considerations On Prediction Of Powder Properties. *Trends in Food Science & Technology*, 65, 55-67.
- Toro-Sierra, J., Schumann, J., & Kulozik, U. (2013). Impact Of Spray-Drying Conditions On The Particle Size Of Microparticulated Whey Protein Fractions. *Dairy Science and Technology*, 93(4-5), 487–503. <https://doi.org/10.1007/s13594-013-0124-7>
- Utami, T., Cindarbhum, A., Khuangga, M. C., Rahayu, E. S., Cahyanto, M. N., Nurfiyanti, S., & Zulaichah, E. (2020). Preparation Of Indigenous Lactic Acid Bacteria Starter Cultures For Large Scale Production Of Fermented Milk. *Digital Press Life Sciences*, 2(00010), 10th.
- Utami, T., Kusuma, E. N., Satiti, R., Rahayu, E. S., & Cahyanto, M. N. (2019). Hydrolyses of meat and soybean proteins using crude bromelain to produce halal peptone as a complex nitrogen source for the growth of lactic acid bacteria. *International Food Research Journal*, 26(1).
- Winarno, F. G. 1992. *Kimia Pangan Dan Gizi*. Jakarta. Gramedia Pustaka Utama.

- Wegh, C. A., Geerlings, S. Y., Knol, J., Roeselers, G., & Belzer, C. (2019). *Postbiotics And Their Potential Applications In Early Life Nutrition And Beyond. International Journal Of Molecular Sciences*, 20(19), 4673.
- Zahrah, F. N., Rizkia, V., & Djonaedi, E. (2025). Pengaruh Sodium Benzoat Terhadap Ketahanan Warna Pewarna Alami Dari Kulit Alpukat Terhadap Cahaya Dan Pencucian. *Jurnal Rekayasa Material, Manufaktur dan Energi*, 8(2), 282-290.
- Zhao, X., Liu, S., Li, S., Jiang, W., Wang, J., Xiao, J., ... & Cao, Z. (2024). Unlocking the power of *postbiotics*: A revolutionary approach to nutrition for humans and animals. *Cell Metabolism*, 36(4), 725-744.
- Zhou, X., Qi, W., Hong, T., Xiong, T., Gong, D., Xie, M., & Nie, S. (2018). Exopolysaccharides from *Lactobacillus plantarum* NCU116 regulate intestinal barrier function via STAT3 signaling pathway. *Journal of Agricultural and Food Chemistry*, 66(37), 9719-9727.