

DAFTAR PUSTAKA

- Abd El-Gawad, M. A. M., & Ahmed, N. S. (2011). Cheese yield as affected by some parameters review. *Acta Scientiarum Polonorum : Technologia Alimentaria*, 10(2), 131–153.
- Almena-Aliste, M., & Mietton, B. (2014). Cheese Classification, Characterization, and Categorization: A Global Perspective. In *Cheese and Microbes* (pp. 39–71). American Society of Microbiology. <https://doi.org/10.1128/microbiolspec.cm-0003-2012>
- Amelia, L., Purbolaksono, A., & Syahayani, Z. (2017). *Analisis Peta Industri Makanan dan Minuman di Indonesia* (p. 33). Retrieved from www.theindonesianinstitute.com
- Ardö, Y., McSweeney, P. L. H., Magboul, A. A. A., Upadhyay, V. K., & Fox, P. F. (2017). Biochemistry of Cheese Ripening: Proteolysis. *Cheese: Chemistry, Physics and Microbiology: Fourth Edition*, 1(2), 445–482. <https://doi.org/10.1016/B978-0-12-417012-4.00018-1>
- Azas-Braesco, V., Bresson, J. L., Guarner, F., & Corthier, G. (2010). Not all lactic acid bacteria are probiotics, but some are. *British Journal of Nutrition*, 103(7), 1079–1081. <https://doi.org/10.1017/S0007114510000723>
- Bamforth, Charles W. dan David J. Cook. (2019). *Cheese. Food, Fermentation and Microorganism*, Second edition. John Wiley and Sons Ltd.
- Bergamini, C. V., Hynes, E. R., Palma, S. B., Sabbag, N. G., & Zalazar, C. A. (2009). Proteolytic activity of three probiotic strains in semi-hard cheese as single and mixed cultures: *Lactobacillus acidophilus*, *Lactobacillus paracasei* and *Bifidobacterium lactis*. *International Dairy Journal*, 19(8), 467–475. <https://doi.org/10.1016/j.idairyj.2009.02.008>
- Blair, R. (2012). Food Science and Technology. In *Organic Production and Food Quality*. <https://doi.org/10.1002/9781118244975.advert>
- Blaya, J., Barzideh, Z., dan LaPointe, G. (2018). Symposium review: Interaction of starter cultures and nonstarter lactic acid bacteria in the cheese environment. *Journal of Dairy Science*. 101:1-19.
- Buyukyoruk, S., Cibik, R., Cetinkaya, F., Soyutemiz, G. E., Goksoy, E. O., & Kirkan, S. (2010). Isolation, phenotypic and molecular identification of *Lactococcus lactis* isolates from traditionally produced village cheeses. *Journal of Animal and Veterinary Advances*, 9(16), 2154–2158. <https://doi.org/10.3923/javaa.2010.2154.2158>
- Cichosz, G., Aljewicz, M., & Nalepa, B. (2014). Viability of the *Lactobacillus rhamnosus* HN001 Probiotic Strain in Swiss- and Dutch-Type Cheese and Cheese-Like Products. *Journal of Food Science*, 79(6). <https://doi.org/10.1111/1750-3841.12458>
- CODEX, S., (1978). *CODEX General Standard for Cheese*. United States of America, Patent No. 283-1978.

El Soda, M. A. (1993). The role of lactic acid bacteria in accelerated cheese ripening. *FEMS Microbiology Reviews*, 12(1–3), 239–251. [https://doi.org/10.1016/0168-6445\(93\)90066-I](https://doi.org/10.1016/0168-6445(93)90066-I)

FAO/WHO. (2001). *Health and Nutrition Properties of Probiotics in Food including Powder Milk with Live Lactic Acid Bacteria*. Report of a Joint FAO/WHO Expert Consultation on Evaluation of Health and Nutritional Properties of Probiotics in Food including Powder Milk with Live Lactic Acid Bacteria Cordoba, Argentina 1-4 October 2001.

FAO/WHO. (2002). *Guidelines for the Evaluation of Probiotics in Food*. Report of Joint FAO/WHO Working Group on Drafting Guidelines for the Evaluation of Probiotics in Food London Ontario, Canada April and May 1, 2002.

Fardiaz, D. (2003). Kebijakan Pangan Untuk Menangkal Jebakan Pangan. Sebuah Pergulatan Pemikiran. Dalam Buku Mewaspada Jebakan Pangan Di Indonesia. Rangkuman Hasil Diskusi Panel "Kebijakan Pangan Untuk Menangkal Jebakan Pangan" Jakarta 1 Nopember 2001. Editor : Hariyadi,P dkk. Jurusan Teknolo9i Pangan Dan Gizi - Fakultas Teknologi Pertanian Institut Pertanian Bogor. Bogor.

Fox, P. F., Guinee, T. P., Cogan, T. M., McSweeney, P. L. H., Fox, P. F., Guinee, T. P., Cogan, T. M., & McSweeney, P. L. H. (2017). Pathogens in Cheese and Foodborne Illnesses. In *Fundamentals of Cheese Science*. https://doi.org/10.1007/978-1-4899-7681-9_19

Hansen, C., 2008. *FD-DVS Flora Danica Product Information*. Denmark: CHR Hansen.

Harbutt, Juliet. (2015). *World Cheese Book*. Dorling Kindersley Limited. Inggris.

Hayaloglu, A. A. (2016). Cheese: Microbiology of Cheese. In *Reference Module in Food Science*. Elsevier. <https://doi.org/10.1016/b978-0-08-100596-5.00675-2>

Jia, R., Zhang, F., Song, Y., Lou, Y., Zhao, A., Liu, Y., Peng, H., Hui, Y., Ren, R., & Wang, B. (2020). Physicochemical and textural characteristics and volatile compounds of semihard goat cheese as affected by starter cultures. *Journal of Dairy Science*, 104(1), 270–280. <https://doi.org/10.3168/jds.2020-18884>

Johnson, M. E. (2017). A 100-Year Review: Cheese production and quality. *Journal of Dairy Science*, 100(12), 9952–9965. <https://doi.org/10.3168/jds.2017-12979>

Kamil, R. Z., Yanti, R., Murdiati, A., Juffrie, M., & Rahayu, E. S. (2020). Microencapsulation of indigenous probiotic *Lactobacillus plantarum* dad-13 by spray and freeze-drying: Strain-dependent effect and its antibacterial property. *Food Research*, 4(6), 2181–2189. [https://doi.org/10.26656/fr.2017.4\(6\).280](https://doi.org/10.26656/fr.2017.4(6).280)

Kamilari, E., Anagnostopoulos, D. A., Papademas, P., Kamilaris, A., & Tsaltas, D. (2020). LWT - Food Science and Technology Characterizing Halloumi cheese ' s bacterial communities through metagenomic analysis. *LWT - Food Science and Technology*, 126(January), 109298. <https://doi.org/10.1016/j.lwt.2020.109298>



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Lactobacillus plantarum Kita-3

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- Karimi, R., Mortazavian, A. M., & Da Cruz, A. G. (2011). Viability of probiotic microorganisms in cheese during production and storage: A review. *Dairy Science and Technology*, 91(3), 283–308. <https://doi.org/10.1007/s13594-011-0005-x>
- Kementerian Pertanian. 2018. *Statistik Konsumsi Pangan Tahun 2018.* , Pusat Data dan Sistem Informasi Pertanian. Jakarta. Diakses dari <http://epublikasi.setjen.pertanian.go.id/>
- Kongo, J. M., & Malcata, F. X. (2015). Cheese: Types of Cheese - Medium. In *Encyclopedia of Food and Health* (1st ed.). Elsevier Ltd. <https://doi.org/10.1016/B978-0-12-384947-2.00133-1>
- Kongo, J. M., & Malcata, F. X. (2015). Cheese: Types of Cheeses - Soft. In *Encyclopedia of Food and Health* (1st ed.). Elsevier Ltd. <https://doi.org/10.1016/B978-0-12-384947-2.00132-X>
- Koutchma, T. (2014). Novel Preservation Applications of UV Light. *Preservation and Shelf Life Extension*, 45–51. <https://doi.org/10.1016/b978-0-12-416621-9.00007-8>
- Leclercq-Perlat, M. N., Sicard, M., Perrot, N., Trelea, I. C., Picque, D., & Corrieu, G. (2015). Temperature and relative humidity influence the ripening descriptors of Camembert-type cheeses throughout ripening. *Journal of Dairy Science*, 98(2), 1325–1335. <https://doi.org/10.3168/jds.2014-8916>
- Leroy, F., & De Vuyst, L. (2004). Lactic acid bacteria as functional starter cultures for the food fermentation industry. *Trends in Food Science and Technology*, 15(2), 67–78. <https://doi.org/10.1016/j.tifs.2003.09.004>
- Mauer, L. J., & Bradley, R. L. (2017). *Moisture and Total Solids Analysis*. 257–286. https://doi.org/10.1007/978-3-319-45776-5_15
- Öründü, S., & Tarakçı, Z. (2021). Effects of different starter culture applications pre- and post-scalding on the biochemical and sensory properties of pasta filata type cheeses. *Lwt*, 136(September 2020). <https://doi.org/10.1016/j.lwt.2020.110288>
- McSWEENEY, P. L. (2004). 27 SYMPOSIUM CONTRIBUTION. Biochemistry of cheese ripening. *International Journal of Dairy Technology*, 57(2), 127–144.
- Papademas, P., & Robinson, R. K. (1998). Halloumi cheese: The product and its characteristics. *International Journal of Dairy Technology*, 51(3), 98–103. <https://doi.org/10.1111/j.1471-0307.1998.tb02646.x>
- Rahayu, E.S. dan Tyas Utami. (2019). Probiotik dan Gut Microbiota serta Manfaatnya pada Kesehatan. Penerbit Kanisius. Yogyakarta.
- Rahayu, E.S., Yogeswara, A., Mariyatun, Windiarti, L., Utami, T., and Watanabe, K. (2015). Molecular characteristics of indigenous probiotic strains from Indonesia. *International Journal of Probiotic dan Prebiotic* vol 10(4):109–116.
- Ratna, D.K., Evita, M.M., Utami, T., Cahyanto, M. N., Wikandari, R., and Rahayu, E.S. (2020). Indigenous Lactic Acid Bacteria from Halloumi Cheese as A Probiotic Candidate of Indonesian Origin. *Manuscript*. Universitas Gadjah Mada. Yogyakarta.



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Ressutte, J. B., Rodrigues, T. S., Pozza, M. S. dos S., & Madrona, G. S. (2020). Application of *Lactococcus lactis* subsp. *lactis* and *cremoris* as Starter Culture in the Colonial Cheese Production. *Journal of Agricultural Studies*, 8(2), 561. <https://doi.org/10.5296/jas.v8i2.16660>

Robinson, R. K., J.E. Scott, dan R. A. Wilbey. (1998). *Cheesemaking Practice*. Springer. Amerika Serikat. Chapter 1 page 1–8. doi:10.1007/978-1-4615-5819-4_1

Rolim, F. R. L., Freitas Neto, O. C., Oliveira, M. E. G., Oliveira, C. J. B., & Queiroga, R. C. R. E. (2020, June 1). Cheeses as food matrixes for probiotics: In vitro and in vivo tests. *Trends in Food Science and Technology*. Elsevier Ltd. <https://doi.org/10.1016/j.tifs.2020.04.008>

Saarela, M., Mogensen, G., Fondén, R., Mättö, J., & Mattila-Sandholm, T. (2000). Probiotic bacteria: Safety, functional and technological properties. *Journal of Biotechnology*, 84(3), 197–215. [https://doi.org/10.1016/S0168-1656\(00\)00375-8](https://doi.org/10.1016/S0168-1656(00)00375-8)

Sheehan, J. J. (2011). Cheese: Avoidance of Gas Blowing. *Encyclopedia of Dairy Sciences: Second Edition*, 661–666. <https://doi.org/10.1016/B978-0-12-374407-4.00079-0>

Silvetti, T., Morandi, S., & Brasca, M. (2018). Growth factors affecting gas production and reduction potential of vegetative cell and spore inocula of dairy-related *Clostridium* species. *LWT - Food Science and Technology*, 92(February), 32–39. <https://doi.org/10.1016/j.lwt.2018.02.014>

Spinnler, H. E., & Gripon, J. C. (2004). Surface mould-ripened cheeses. *Cheese: Chemistry, Physics and Microbiology*, 2(C), 157–174. [https://doi.org/10.1016/S1874-558X\(04\)80043-5](https://doi.org/10.1016/S1874-558X(04)80043-5)

Statista. 2020. *Consumer Market Outlook of Cheese in Indonesia*. Diakses dari <https://www.statista.com/outlook/40010400/120/cheese/indonesia>

Sudarmi, Agustina Intan Niken Tari, Catur Budi Handayani. "Potential of Indigenous Probiotic *Lactobacillus Plantarum* Dad 13 as Anti-diarrhea and Immuno-modulator." *International Congress on Challenges of Biotechnological Research in Food and Health, Surakarta, Indonesia, November 2014*. Universitas Slamet Riyadi, 2014.

Viabilitas. 2016. Pada KBBI Daring. Diambil 30 Desember 2020 dari <https://kbbi.kemdikbud.go.id/entri/viabilitas>

Wang, J., Zheng, Z., Zhao, X., Yang, Y., & Yang, Z. (2015). Effect of starter cultures on the ripening properties of yak milk cheese. *Food Science and Technology Research*, 21(3), 419–430. <https://doi.org/10.3136/fstr.21.419>

Wibowo, Maria Marantha Evita. (2020). *Isolasi Dan Identifikasi Bakteri Asam Laktat Dari Keju Halloumi*. Skripsi. Fakultas Teknologi Pertanian. Teknologi Pangan dan Hasil Pertanian. Universitas Gadjah Mada. Yogyakarta.