



DAFTAR PUSTAKA

- Al Mamun, A., Masniyom, P., dan Maneesri, J. 2021. Viability of *Lactobacillus plantarum* TISTR 2083 in Protectant during Low-Temperature Drying and Storage (Kelangsungan *Lactobacillus plantarum* TISTR 2083 dalam Pelindung semasa Pengeringan pada Suhu Rendah dan Penyimpanan). *Sains Malaysiana*. 50(8), 2229-2240.
- Alcazar-Alay, S. C., dan Meireles, M. A. A. 2015. Physicochemical Properties, Modifications and Applications of Starches from Different Botanical Sources. *Journal of Food Science and Technology*. 35(2): 215–236.
- Alonso, S. 2016. Novel preservation techniques for microbial cultures. In Series on Novel Food Fermentation Technologies. edited by Ojha, K.S. & Tiwari, B.K. Switzerland: Springer International Publishing. pp. 7-33.
- Aprianita, A., Vasiljevic, T., Bannikova, A., dan Kasapis, S. 2014. Physicochemical properties of flours and starches derived from traditional Indonesian tubers and roots. *Journal of Food Science and Technology*. 51(12): 3669-3679.
- Astesana, D. M., Zimmermann, J. A., Frizzo, L. S., Zbrun, M. V., Blajman, J. E., Berisvil, A. P., dan Soto, L. P. 2018. Development and storage studies of high density macrocapsules containing *Lactobacillus* spp. strains as nutritional supplement in young calves. *Revista argentina de microbiología*, 50(4), 398-407.
- Astuti, R. M., Asiah, N., Setyowati, A., dan Fitriawati, R. 2018. Effect of physical modification on granule morphology, pasting behavior, and functional properties of arrowroot (*Marantha arundinacea* L.) starch. *Food Hydrocolloids*. 81: 23-30.
- Bao, J. 2019. Rice: Chemistry and Technology. Minnesota: AACC International Press
- Chen, M. J., Tang, H. Y., dan Chiang, M. L. 2017. Effects of heat, cold, acid and bile salt adaptations on the stress tolerance and protein expression of kefir-isolated probiotic *Lactobacillus kefiranofaciens* M1. *Food microbiology*. 66, 20-27.
- Chuzaemi, I. S., IPU, A. E., Mashudi, I. S. D. I., Ndaru, P. H., dan MP, S. P. 2020. *Ilmu Gizi Ruminansia*. Media Nusa Creative (MNC Publishing).
- Crowley, S., Mahony, J., dan van Sinderen, D. 2013. Current perspectives on antifungal lactic acid bacteria as natural bio-preservatives. *Trends in food science & technology*, 33(2). 93-109.
- De Vries, M.C., Vaughan, E.E., Kleerebezem, M. dan de Vos, W.M. 2005. *Lactobacillus plantarum* - survival, functional and potential probiotic properties in the human intestinal tract. *International Dairy Journal*. 16(9): 1018-1028.
- Estilarte, M. L., Tymczyszyn, E. E., Serradell, M., de Los, A., dan Carasi, P. 2021. Freeze-drying of *Enterococcus durans*: Effect on their probiotics ans biopreservative properties. *LWT-Food Sci. Technol.* 137, 110496.



- Gong, X., Yan, Q., Wang, Y., Wang, J., Gao, E., Zhang, E., ... & Wang, L. (2018). Isolation, identification and fermentation performance analysis of *Lactobacillus casei* from kefir grains. *China Dairy Industry*, 46(6), 12-18.
- Handayani, R., dan Sulistiani, S. N. 2016. Identifikasi produksi GABA dari kultur Bakteri Asam Laktat (BAL) dengan metode TLC. In *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia* (Vol. 2, No. 2, pp. 208-213).
- Hermiati, E., Azuma, J. I., Tsubaki, S., Mangunwidjaja, D., Sunarti, T. C., Suparno, O., dan Prasetya, B. 2012. Improvement of microwave-assisted hydrolysis of cassava pulp and tapioca flour by addition of activated carbon. *Journal Carbohydrate Polymers*. 87(1). 939-942.
- Holzapfel, W. H., dan Wood, B. J. (Eds.). 2014. *Lactic acid bacteria: biodiversity and taxonomy*. John Wiley & Sons.
- Hou, B., Wang, H., Yan, T., Shan, Y., Zhou, W., Zhang, L., dan Jiang, Y. 2016. Production for high-vitality starter culture of *Lactobacillus plantarum* NDC 75017 by high cell-density cultivation and low-temperature vacuum drying. *Food Science and Technology Research*. 22(4), 519-527.
- Hubalek, Z. 2003. Protectants used in the cryopreservation of microorganisms. *Cryobiology*, 46(3), 205-229.
- Jokicevic, K., Lebeer, S., dan Kiekens, F. 2022. Atomization gas type, device configuration and storage conditions strongly influence survival of *Lactobacillus casei* after spray drying. *Drying Technology*. 40(3), 494-504.
- Kandasamy, S., Kavitake, D., dan Shetty, P. H. 2018. Lactic acid bacteria and yeasts as starter cultures for fermented foods and their role in commercialization of fermented foods. In *Innovations in Technologies for Fermented Food and Beverage Industries* (pp. 25-52). Springer, Cham.
- Kanmani, P., dan Lim, S. T. 2013. Development and characterization of novel probiotic-residing pullulan/starch edible films. *Food Chemistry*. 141, 1041-1049.
- Kulkarni, S., Haq, S. F., Samant, S., dan Sukumaran, S. 2018. Adaptation of *Lactobacillus acidophilus* to thermal stress yields a thermotolerant variant which also exhibits improved survival at pH 2. *Probiotics and Antimicrobial Proteins*. 10(4), 717-727.
- Iaconelli, C., Lemetais, G., Kechaou, N., Chain, F., Bermúdez-Humarán, L.G., Langella, P., Gervais, P. dan Beney, L. 2015. Drying process strongly affects probiotics viability and functionalities. *Journal of Biotechnology* 214: 17-26.
- Manfaati, R. 2010. Kinetika dan variabel optimum fermentasi asam laktat dengan media campuran tepung tapioka dan limbah cair tahu oleh *Rhizopus oryzae* (Doctoral dissertation. Universitas Diponegoro).



Marwati, T., Djaafar, T. F., Setiawan, E. E., Utami, T., dan Rahayu, E. S. 2020. Viability and Antifungal Activity of *Lactobacillus plantarum* HL-15 Oven Dried Culture during Storage. Digital Press Life Sciences. 2. 00009.

Murakami, S., Kuramochi, M., Koda, T., Nishio, T. dan Nishioka, A. 2016. Relationship between rice flour particle sizes and expansion ratio of pure rice bread. Journal of Applied Glycoscience. 63(1): 19-22.

Olekwy, M., dan Klewicka, E. 2018. Exopolysaccharides produced by *Lactobacillus* sp.: biosynthesis and applications. Critical reviews in food science and nutrition. 58(3), 450-462.

Paéz, R., Lavari, L., Vinderola, G., Audero, G., Cuatrín, A., Zaritzky, N., dan Reinheimer, J. 2012. Effect of heat treatment and spray drying on lactobacilli viability and resistance to simulated gastrointestinal digestion. *Food Research International*, 48(2), 748-754.

Rabiei, M., Zarrini, G., dan Mahdavi, M. 2020. *Lactobacillus casei* UT1 Isolated from Northwest of Iran Traditional Curd Exerts Anti-proliferative and Apoptosis Inducing Effects in Human Colorectal Tumor HCT 116 Cells. *Advanced pharmaceutical bulletin*, 10(1), 125.

Saputri, R., Syauqi, A., dan Santoso, H. 2019. Penambahan nutrisi *pottato dextrose agar* pada pembuatan starter mikroorganisme jamur dengan bahan baku tepung beras. Biosaintropis (Bioscience-Tropic). 4(2). 40-45.

Savedboworn, W., Noisumdang, C., Arunyakanon, C., Kongcharoen, P., Phungamngoen, C., Rittisak, S., dan Phattayakorn, K. 2020. Potential of protein-prebiotic as protective matrices on the storage stability of vacuum-dried probiotic *Lactobacillus casei*. *LWT*. 131. 109578.

Setiarto, R. H. B., Widhyastuti, N., dan Saskiawan, I. 2016. Pengaruh fermentasi fungi, bakteri asam laktat dan khamir terhadap kualitas nutrisi tepung sorgum. *Agritech*, 36(4), 440-449.

Shin, Y., Kang, C. H., Kim, W., dan So, J. S. 2019. Heat adaptation improved cell viability of probiotic *Enterococcus faecium* HL7 upon various environmental stresses. *Probiotics and antimicrobial proteins*. 11(2). 618-626.

Soraya, H. 2016. Analisis Sifat Fisik Dan Kimia Pada Pembuatan Modifikasi Tepung Umbi Gadung (*Dioscorea Hispida Dennst*) Dengan Proses Fermentasi Menggunakan *Lactobacillus Plantarum* (Doctoral dissertation, Universitas Brawijaya).

Stephan, D., Da Silva, A.P.M., dan Bisutti, I.L. 2016. Optimization of a freeze-drying process for the biocontrol agent *Pseudomonas* spp. and its influence on viability, storability and efficacy. *Biol Control* 94: 74–81.



Tan, D.T., Poh, P.E. dan Chin, S.K. 2018. Microorganism preservation by convective air-drying - A review. *Drying Technology: An International Journal*. 36(7): 764-779.

Urry, L. A., M. L. Cain, S. A. Wasserman, P. V. Minorsky, dan J. B. Reece. 2014. *Campbell Biology*, 11th edition. London: Pearson

Zhang, C., Lu, J., Yang, D., Chen, X., Huang, Y., dan Gu, R. 2018. Stress influenced the aerotolerance of *Lactobacillus rhamnosus* hsryfm 1301. *Biotechnology letters*. 40(4). 729-735.