

DAFTAR PUSTAKA

- Ajikumar, P.K., K. Tyo, S. Carlsen, O. Mucha, T.H. Phon, and G. Stephanopoulos. 2008. Terpenoids: opportunities for biosynthesis of natural product drugs using engineered microorganisms. *Mol. Pharm.* 5: 167-190.
- Arepally, D., R.S. Reddy, and T.K. Goswami. 2020. Studies on survivability, storage stability of encapsulated spray dried probiotic powder. *Curr. Res. Food Sci.* 3: 235-242.
- Ayyash, M., A.S. Al-Dhaheri, S. Al Mahadin, J. Kizhakkayil, and A. Abushelaibi. 2018. In vitro investigation of anticancer, antihypertensive, antidiabetic, and antioxidant activities of camel milk fermented with camel milk probiotic: A comparative study with fermented bovine milk. *J. Dairy Sci.* 101: 900-911.
- Azad, M., A. Kalam, M., Sarker, T. Li, and J. Yin. 2018. Probiotic species in the modulation of gut microbiota: an overview. *BioMed Res. Int.* 2018: 1-8.
- Balloux, F., O.B. Brynildsrud, L. Van Dorp, L.P. Shaw, H. Chen, K.A. Harris, H. Wang, and V. Eldholm. 2018. From theory to practice: translating whole-genome sequencing (WGS) into the clinic. *TIM* 26: 1035-1048.
- Bansal, P., R. Kumar, J. Singh, and S. Dhanda. 2019. Next generation sequencing, biochemical characterization, metabolic pathway analysis of novel probiotic *Pediococcus acidilactici* NCDC 252 and it's evolutionary relationship with other lactic acid bacteria. *Mol. Biol. Rep.* 46: 5883-5895.
- Barbosa, J., S. Borges, M. Amorim, M.J. Pereira, A. Oliveira, M.E. Pintado, and P. Teixeira. 2015. Comparison of spray drying, freeze drying and convective hot air drying for the production of a probiotic orange powder. *J. Func. Foods* 17: 340-351.
- Behera, S.S., R.C. Ray, and N. Zdolec. 2018. *Lactobacillus plantarum* with functional properties: an approach to increase safety and shelf-life of fermented foods. *BioMed Res. Int.* 2018: 1-18.
- Belicová, A., M. Mikulášová, and R. Dušinský. 2013. Probiotic potential and safety properties of *Lactobacillus plantarum* from Slovak Bryndza cheese. *BioMed Res. Int.* 2013: 1-8.
- Buruleanu, L.A.V.I.N.I.A., C.L. Nicolescu, M.G. Bratu, I.U.L.I.A.N.A. Manea, and D.A.N.I.E.L.A. Avram. 2010. Study regarding some metabolic features during lactic acid fermentation of vegetable juices. *Rom. Biotechnol. Lett.*, 15: 5177-5188.
- Brown, E., U. Dessai, S. McGarry, and P. Gerner-Smidt. 2019. Use of whole-genome sequencing for food safety and public health in the united states. *Foodborne Pathogens Dis.* 16: 441-450.

- Chervinets, Y., V. Chervinets, B. Shenderov, E. Belyaeva, A. Troshin, S. Lebedev, and V. Danilenko. 2018. Adaptation and probiotic potential of lactobacilli, isolated from the oral cavity and intestines of healthy people. *Probiotics Antimicro. Prot.* 10: 22-33.
- Delcenserie, V., D. Martel, M. Lamoureux, J. Amiot, Y. Boutin, and D. Roy. 2008. Immunomodulatory Effects of Probiotics in the Intestinal Tract. *Curr. Issues Mol. Biol.* 10: 37-54.
- Diep, D.B., D. Straume, M. Kjos, C. Torres, and I.F. Nes. 2009. An overview of the mosaic bacteriocin *pln* loci from *Lactobacillus plantarum*. *Peptides* 30: 1562-1574.
- Elzeini, H.M., A.A. Ali, N.F. Nasr, A.A. Awad, and A.A. Hassan. 2017. Morphological and rheological identification of cocci lactic acid bacteria. *J. Microb. Biochem. Technol.* 9: 519-26.
- Ferrando, V., A. Quiberoni, J. Reinhemer, and V. Suárez. 2015. Resistance of functional *Lactobacillus plantarum* strains against food stress conditions. *Food Microbial.* 48: 63-71.
- Fuquay, J.W., P.L. McSweeney, and P.F. Fox. 2011. *Encyclopedia of dairy sciences.* Academic Press.
- Golowczyc, M.A., J. Silva, A.G. Abraham, G.L. De Antoni, and P. Teixeira. 2010. Preservation of probiotic strains isolated from kefir by spray drying. *Lett. App. Microbiol.* 50: 7-12.
- Hoque, M.Z., F. Akter, K.M. Hossain, M.S.M. Rahman, M.M. Billah, and K.M.D. Islam. 2010. Isolation, identification and analysis of probiotic properties of *Lactobacillus* spp. from selective regional yoghurts. *World J. Dairy Food Sci.* 5: 39-46.
- Jiang, Y., J. Zhang, X. Zhao, W. Zhao, Z. Yu, C. Chen, and Z. Yang. 2018. Complete genome sequencing of exopolysaccharide-producing *Lactobacillus plantarum* K25 provides genetic evidence for the probiotic functionality and cold endurance capacity of the strain. *Biosci. Biotechnol. Biochem.* 82: 1225-1233.
- Kewuyemi, Y.O., P.B. Njobeh, E. Kayitesi, J.A. Adebisi, A.B. Oyediji, M.A. Adefisoye, and O.A. Adebo. 2020. Metabolite profile of whole grain ting (a Southern African fermented product) obtained using two strains of *Lactobacillus fermentum*. *J. Cereal Sci.* 95: 103042.
- Kim, S.A., G. Kim, B. Bo, S. Shim, D. Lee, S. Dal Kang, J.H. Seo, N.S. and Han. 2020. Whole-Genome Sequence of *Lactobacillus plantarum* SPC-SNU 72-2 as a Probiotic Starter for Sourdough Fermentation. *Microbiol. Resour. Announc.* 9.

- Lebeer, S., J. Vanderleyden, and S. De Keersmaecker. 2010. Adaptation factors of the probiotic *Lactobacillus rhamnosus* GG. *Beneficial Microbes* 1: 335-342.
- Li, P., Q. Gu, and Q. Zhou. 2016. Complete genome sequence of *Lactobacillus plantarum* LZ206, a potential probiotic strain with antimicrobial activity against food-borne pathogenic microorganisms. *J. Biotechnol.* 238: 52-55.
- Ljungh A. and T. Wadstrom. 2009. *Lactobacillus* Molecular Biology: from Genomics to Probiotics. Caister Academic Press, United Kingdom.
- McDonald, L.C., R.F. McFeeters, M.A. Daeschel, and H.P. Fleming. 1987. A differential medium for the enumeration of homofermentative and heterofermentative lactic acid bacteria. *Appl. Environ. Microbiol.* 53: 1382-1384.
- Michail, S. and P.M. Sherman. 2009. *Probiotics in Pediatric Medicine*. Humana Press, USA.
- Mokoena, M.P. 2017. Lactic acid bacteria and their bacteriocins: classification, biosynthesis and applications against uropathogens: a mini-review. *Mol.* 22: 1255-1267.
- Montoro, B.P., N. Benomar, N.C. Gómez, S. Ennahar, P. Horvatovich, C.W. Knapp, A. Gálvez, and H. Abriouel. 2018. Proteomic analysis of *Lactobacillus pentosus* for the identification of potential markers involved in acid resistance and their influence on other probiotic features. *Food Microbiol.* 72: 31-38.
- Nguyen, T.D.T., J.H. Kang, and M.S. Lee. 2007. Characterization of *Lactobacillus plantarum* PH04, a potential probiotic bacterium with cholesterol-lowering effects. *Int. J. Food Microbiol.* 113: 358-361.
- Nosrati, R., M. Hashemiravan, and M. Talebi. 2014. Fermentation of vegetables juice by probiotic bacteria. *Int. J. Biosci.* 4: 171-180.
- Perveen, S. and A. Al-Taweel. 2018. Introductory chapter: terpenes and terpenoids. *Terpenes and Terpenoids* 1-12.
- Prado, F, J. Parada, A. Pandey, C. Socco. 2008. Trends in non-dairy probiotic beverages. *Food Res. Int.* 41: 111-123.
- Prete, R., S.L. Long, A.L. Gallardo, C.G. Gahan, A. Corsetti, and S.A. Joyce. 2020. Beneficial bile acid metabolism from *Lactobacillus plantarum* of food origin. *Sci. Rep.* 10: 1-11.
- Rahayu, E.S. and T. Utami. 2019. *Probiotik dan Gut Microbiota serta Manfaatnya pada Kesehatan*. Penerbit PT Kanisius, Yogyakarta.

- Rahayu, E.S., A. Yogeswara, L. Windiarti, T. Utami, and K. Watanabe. 2015. Molecular characteristics of indigenous probiotic strains from Indonesia. *Int. J. Probiotics Prebiotics* 10: 109-116.
- Reddy, G.K., N.G. Leferink, M. Umemura, S.T. Ahmed, R. Breitling, N.S. Scrutton, and E. Takano. 2020. Exploring novel bacterial terpene synthases. *PloS One* 15: 1-20.
- Reis, J.A., A.T. Paula, S.N. Casarotti, and A.L.B. Penna. 2012. Lactic acid bacteria antimicrobial compounds: characteristics and applications. *Food Eng. Rev.* 4: 124-140.
- Robles-Vera, I., M. Toral, M. Romero, R. Jiménez, M. Sánchez, F. Pérez-Vizcaíno, and J. Duarte. 2017. Antihypertensive effects of probiotics. *Curr. Hypertens. Rep.* 19: 26-33.
- Salveti, E., L. Orrù, V. Capozzi, A. Martina, A. Lamontanara, D. Keller, H. Cash, G.E. Felis, L. Cattivelli, S. Torriani, and G. Spano. 2016. Integrate genome-based assessment of safety for probiotic strains: *Bacillus coagulans* GBI-30, 6086 as a case study. *Appl. Microbiol. Biotechnol.* 100: 4595-4605.
- Salminen, S.J., M. Gueimonde, and E. Isolauri. 2005. Probiotics that modify disease risk. *J. Nutr.* 135: 1294-1298.
- Savadogo, A., A.C. Ouattara, H.I. Bassole, and S.A. Traore. 2006. Bacteriocins and lactic acid bacteria-a minireview. *Afr. J. Biotechnol.* 5: 678-683.
- Seddik, H.A., F. Bendali, F. Gancel, I. Fliss, G. Spano, and D. Drider. 2017. *Lactobacillus plantarum* and its probiotic and food potentialities. *Probiotics Antimicro. Prot.* 9: 111-122.
- Siezen, R.J., C. Francke, B. Renckens, J. Boekhorst, M. Wels, M. Kleerebezem, M. and S.A. van Hijum. 2012. Complete resequencing and reannotation of the *Lactobacillus plantarum* WCFS1 genome. *J. Bacteriol.* 194: 195-196.
- Šušković, J., B. Kos, J. Beganović, A. Leboš Pavunc, K. Habjanič, and S. Matošić. 2010. Antimicrobial activity—the most important property of probiotic and starter lactic acid bacteria. *Food Technol. Biotechnol.* 48: 296-307.
- Todorov, S.D. and B.D.G.D.M. Franco. 2010. *Lactobacillus plantarum*: Characterization of the species and application in food production. *Food Rev. Int.* 26: 205-229.
- Torriani, S., G.E. Felis, and F. Dellaglio. 2001. Differentiation of *Lactobacillus plantarum*, *L. pentosus*, and *L. paraplantarum* by *recA* gene sequence analysis and multiplex PCR assay with *recA* gene-derived primers. *Appl. Environ. Microbiol.* 67: 3450-3454.

- Wang, Y., N. Shang, Y. Qin, Y. Zhang, J. Zhang, and P. Li. 2018. The complete genome sequence of *Lactobacillus plantarum* LPL-1, a novel antibacterial probiotic producing class IIa bacteriocin. *J. Biotechnol.* 266: 84-88.
- Zheng, J., S. Wittouck, E. Salvetti, C.M. Franz, H.M. Harris, P. Mattarelli, P.W. O'Toole, B. Pot, P. Vandamme, J. Walter, and K. Watanabe. 2020. A taxonomic note on the genus *Lactobacillus*: Description of 23 novel genera, emended description of the genus *Lactobacillus* Beijerinck 1901, and union of *Lactobacillaceae* and *Leuconostocaceae*. *IJSEM* 70: 2782-2858.