



## DAFTAR PUSTAKA

- Afifah, N. (2020). Mekanisme probiotik lactobacillus plantarum dalam sistem imun pada penderita diare. *Wellness and healthy magazine*. Volume 2 no 1 February 2020
- Afriani, (2008). Kualitas dan Potensi Dadih sebagai Tambahan Pendapatan Peternak Kerbau di Kabupaten Kerinci. *J. Ilmiah Ilmu-Ilmu Peternakan*. 11 (3): 115-120
- Akbar, A. and A.K. Anal. (2014). Occurrence of *Staphylococcus aureus* and evaluation of anti-staphylococcal activity of *Lactococcus lactis* subsp. *lactis* in ready-to-eat poultry meat. *Ann. Microbiol.*, 64(1): 131-138.
- Badan Pusat Statistik Kabupaten Sleman. (2017). Luas Panen, Produksi dan Rata-Rata Produksi Salak Pondoh dan Salak Gading per Kecamatan di Kabupaten Sleman. 2017.
- Badan Standarisasi Nasional. (2014). SNI 3719:2014 : Minuman Sari Buah. Badan POM RI, 32 hlm.
- BPOM, (2011). Peraturan Kepala Badan Pengawas Obat Dan Makanan Republik Indonesia . Nomor Hk.03.1.23.11.11.09909 Tahun 2011 tentang pengawasan klaim dalam label dan iklan pangan olahan
- Chandrawati, P, F. (2011). Peranan Probiotik pada traktus digestivus. *Saintika Medika* , Vol 7, Iss 1
- Cui, Y., Wang, M., Zheng, Y., Miao, K., & Qu, X. (2021). The carbohydrate metabolism of *lactiplantibacillus plantarum*. *International Journal of Molecular Sciences*, 22(24). <https://doi.org/10.3390/ijms222413452>
- Danar, A. Susanto. Setyoko, A, T. Harjanto S. Prasetitiyo A E. (2019). Pengembangan Standar Nasional Indonesia (Sni) Pangan Fungsional Untuk Membantu Mengurangi Resiko Obesitas. *Jurnal Standardisasi* Volume 21 Nomor 1, Maret 2019: Hal 31 – 44
- De Souza Neves Ellendersen, L., Granato, D., Bigetti Guergoletto, K., & Wosiacki, G. (2012). Development and sensory profile of a probiotic beverage from apple fermented with *Lactobacillus casei*. *Engineering in Life Sciences*, 12(4), 475–485. <https://doi.org/10.1002/elsc.201100136>
- Dimitrovski, D., Velickova, E., Langerholc, T., & Winkelhausen, E. (2015). Apple juice as a medium for fermentation by the probiotic *Lactobacillus plantarum* PCS 26 strain. *Annals of Microbiology*, 65(4), 2161–2170. <https://doi.org/10.1007/s13213-015-1056-7>



FAO/WHO. (2001). Health and nutritional properties of probiotics in food including powder milk with live lactic acid bacteria.

Filannino, P., Cardinale, G., Rizzello, C. G., Buchin, S., De Angelis, M., Gobbetti, M., & Di Cagno, R. (2014). Metabolic responses of *Lactobacillus plantarum* strains during fermentation and storage of vegetable and fruit juices. *Applied and Environmental Microbiology*, 80(7), 2206–2215. <https://doi.org/10.1128/AEM.03885-13>

Fitriya, W., & Alfionita, K. (2019). The Capability of Cinnamon as an Off-Flavor Masking Agent for *Spirulina platensis* enriched Food Product. *Jurnal Perikanan Universitas Gadjah Mada*, 20(2), 95. <https://doi.org/10.22146/jfs.35546>

Gubelt, A., Blaschke, L., Hahn, T., Rupp, S., Hirth, T., & Zibek, S. (2020). Comparison of Different Lactobacilli Regarding Substrate Utilization and Their Tolerance Towards Lignocellulose Degradation Products. *Current Microbiology*, 77(10), 3136–3146. <https://doi.org/10.1007/s00284-020-02131-y>

Hachimura, S., Totsuka, M., & Hosono, A. (2018). Immunomodulation by food: Impact on gut immunity and immune cell function. *Bioscience, Biotechnology and Biochemistry*, 82(4), 584–599. <https://doi.org/10.1080/09168451.2018.1433017>

Hasler, C. M. (2002). Functional foods: Benefits, concerns and challenges - A position paper from the American Council on Science and Health. *Journal of Nutrition*, 132(12), 3772–3781. <https://doi.org/10.1093/jn/132.12.3772>

Hidayatulloh, H. Gumilar, J. Harlia, E. (2019). Potensi Senyawa Metabolit Yang Dihasilkan *Lactobacillus Plantarum* Atcc 8014 Sebagai Bahan Biopreservasi Dan Anti Bakteri Pada Bahan Pangan Asal Hewan. *JITP Vol. 7 No. 2, Juli 2019*

Hulme, A.C. (1971). *The Biochemistry of Fruits and Their products*. London : Academic Press Inc

Jay, J.M.J.Loessner, & D.A.Golden. (2005). *Modern Food Microbiology*. 7th ed. Springer Science, New York:XX+790 hlm

Joseph, N., Vasodavan, K., Saipudin, N. A., Yusof, B. N. M., Kumar, S., & Nordin, S. A. (2019). Gut microbiota and short-chain fatty acids (SCFAs) profiles of normal and overweight school children in Selangor after probiotics administration. *Journal of Functional Foods*, 57(March), 103–111. <https://doi.org/10.1016/j.jff.2019.03.042>

Joshua, & Sinuraya, R. K. (2018). Review Jurnal: Keanekaragaman Aktivitas Farmakologi Tanman Salak (*Salacca zalacca*). *Farmaka*, 16(1), 99–107.



Kementrian Pertanian. (2019). Analisis Ketersediaan Pangan - Neraca Bahan Makanan Indonesia 2017-2019.

Lorquet, F., Goffin, P., Muscariello, L., Baudry, J. B., Ladero, V., Sacco, M., Kleerebezem, M., & Hols, P. (2004). Characterization and functional analysis of the *poxB* gene, which encodes pyruvate oxidase in *Lactobacillus plantarum*. *Journal of Bacteriology*, 186(12), 3749–3759. <https://doi.org/10.1128/JB.186.12.3749-3759.2004>

Luwidharto, J. C. N., Rahayu, E. S., Suroto, D. A., Wikandari, R., Ulfah, A., & Utami, T. (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), 205–216. <https://doi.org/10.22037/afb.v9i3.37013>

Maghfirotin Marta, B., Tyas, U., Muhammad Nur, C., Jaka, W., & Endang Sutriswati, R. (2019). Effects of Consumption of Probiotic Powder Containing *Lactobacillus Plantarum* Dad-13 on Fecal Bacterial Population in School-Age Children in Indonesia . *International Journal of Probiotics and Prebiotics*, 14(1), 1–8. <https://doi.org/10.37290/ijpp2641-7197.14:1-8>

Mazumdar, P., Pratama, H., Lau, S., How, C., & Ann, J. (2019). Trends in Food Science & Technology Biology , phytochemical profile and prospects for snake fruit : An antioxidant- rich fruit of South East Asia. *Trends in Food Science & Technology*, 91(June), 147–158. <https://doi.org/10.1016/j.tifs.2019.06.017>

Meidistria, T. R., Sembiring, L., Rahayu, E. S., Haedar, N., & Dwyana, Z. (2020). Survival of *Lactobacillus plantarum* dad 13 in probiotic cheese making. IOP Conference Series: Earth and Environmental Science, 575(1). <https://doi.org/10.1088/1755-1315/575/1/012020>

Mousavi, Z. E., Mousavi, S. M., Razavi, S. H., Emam-Djomeh, Z., & Kiani, H. (2011). Fermentation of pomegranate juice by probiotic lactic acid bacteria. *World Journal of Microbiology and Biotechnology*, 27(1), 123–128. <https://doi.org/10.1007/s11274-010-0436-1>

Najmiyati, E. Akhadi, D.H. (2012). Viabilitas Dan Kinerja Konsorsium Mikroba Pendegradasi Hidrokarbon Setelah Penyimpanan Dalam Pendingin Dan Penyimpanan Beku. *Ecolab Vol. 6 No. 2 Juli 2012* : 61 – 104

National Center for Biotechnology Information. (2022a). PubChem Compound Summary for CID 8034, 5-Methyl-2-hexanone. <https://pubchem.ncbi.nlm.nih.gov/compound/5-Methyl-2-hexanone>.

National Center for Biotechnology Information. (2022b). PubChem Compound Summary for CID 8314, 2-Methylbutanoic acid. <https://pubchem.ncbi.nlm.nih.gov/compound/2-Methylbutanoic-acid>.



Neha, A. Kamaljit, S. Ajay, B. Tarung, G. (2012). Probiotic as effective treatment disease. International research journal of pharmacy : india ISSN : 2230-8407,98

Nguyen, B. T., Bujna, E., Fekete, N., Tran, A. T. M., Rezessy-Szabo, J. M., Prasad, R., & Nguyen, Q. D. (2019). Probiotic beverage from pineapple juice fermented with *Lactobacillus* and *Bifidobacterium* strains. *Frontiers in Nutrition*, 6(May), 1–7. <https://doi.org/10.3389/fnut.2019.00054>

Oh, Y. J., Kim, T. S., Moon, H. W., Lee, S. Y., Lee, S. Y., Ji, G. E., & Hwang, K. T. (2020). *Lactobacillus plantarum* PMO 08 as a Probiotic Starter Culture for Plant-Based Fermented Beverages. *Molecules*, 25(21), 1–13. <https://doi.org/10.3390/molecules25215056>

Peng, W., Meng, D., Yue, T., Wang, Z., & Gao, Z. (2021). Effect of the apple cultivar on cloudy apple juice fermented by a mixture of *Lactobacillus acidophilus*, *Lactobacillus plantarum*, and *Lactobacillus fermentum*. *Food Chemistry*, 340(July 2020), 127922. <https://doi.org/10.1016/j.foodchem.2020.127922>

Pereira, A. L. F., Almeida, F. D. L., de Jesus, A. L. T., da Costa, J. M. C., & Rodrigues, S. (2013). Storage Stability and Acceptance of Probiotic Beverage from Cashew Apple Juice. *Food and Bioprocess Technology*, 6(11), 3155–3165. <https://doi.org/10.1007/s11947-012-1032-1>

Perricone, M., Bevilacqua, A., Altieri, C., Sinigaglia, M., & Corbo, M. R. (2015). Challenges for the production of probiotic fruit juices. *Beverages*, 1(2), 95–103. <https://doi.org/10.3390/beverages1020095>

Plumed-Ferrer, C., Koistinen, K. M., Tolonen, T. L., Lehesranta, S. J., Kärenlampi, S. O., Mäkimattila, E., Joutsjoki, V., Virtanen, V., & Von Wright, A. (2008). Comparative study of sugar fermentation and protein expression patterns of two *Lactobacillus plantarum* strains grown in three different media. *Applied and Environmental Microbiology*, 74(17), 5349–5358. <https://doi.org/10.1128/AEM.00324-08>

Purwandhani, S. N., Utami, T., Millati, R., & Rahayu, E. S. (2017). Potensi *Lactobacillus plantarum* yang Diisolasi dari Dadih dalam Meningkatkan Kadar Folat Susu Fermentasi. *Agritech: Jurnal Fakultas Teknologi Pertanian UGM*, 37(4), 395–401.

Puspadiwi, R., A. Putranti dan A. Gina. (2011). Aktifitas metabolit bakteri *Lactobacillus plantarum* dan perannya dalam menjaga kesehatan saluran pencernaan. Prosiding Konferensi Nasional Sains. Fakultas MIPA Universitas Jenderal Achmad Yani Cimahi.

Rahayu, E. S. (2003). Lactic Acid Bacteria in Fermented foods of origin origin. In *Agritech: Jurnal Fakultas Teknologi Pertanian UGM* (Vol. 23, Issue 2, pp. 75–84).



Rahayu, E. S., Mariyatun, M., Manurung, N. E. P., Hasan, P. N., Therdtatha, P., Mishima, R., Komalasari, H., Mahfuzah, N. A., Pamungkatingtyas, F. H., Yoga, W. K., Nurfiana, D. A., Liwan, S. Y., Juffrie, M., Nugroho, A. E., & Utami, T. (2021). Effect of probiotic *Lactobacillus plantarum* Dad-13 powder consumption on the gut microbiota and intestinal health of overweight adults. *World Journal of Gastroenterology*, 126(1), 107–128. <https://doi.org/10.3748/WJG.V27.I1.107>

Rahayu, E. S., Rusdan, I. H., Athennia, A., Kamil, R. Z., Pramesi, P. C., Marsono, Y., Utami, T., & Widada, J. (2019). Safety Assessment of Indigenous Probiotic Strain *Lactobacillus plantarum* Dad-13 Isolated from Dadih Using Sprague Dawley Rats as a Model. *American Journal of Pharmacology and Toxicology*, 14(1), 38–47. <https://doi.org/10.3844/ajptsp.2019.38.47>

Rahayu, E. S., Yogeswara, A., Mariyatun, Windiarti, L., Utami, T., & Watanabe, K. (2015). Molecular characteristics of indigenous probiotic strains from Indonesia. *International Journal of Probiotics and Prebiotics*, 10(4).

Rahayu, E. S., Yogeswara, A., Mariyatun, Windiarti, L., Utami, T., & Watanabe, K. (2016). Molecular characteristics of indigenous probiotic strains from Indonesia. *International Journal of Probiotics and Prebiotics*, 11(2), 109–116.

Rizal, S., Erna, M., Nurainy, F., & Tambunan, A. R. (2016). Karakteristik Probiotik Minuman Fermentasi Laktat Sari Buah Nanas dengan Variasi Jenis Bakteri Asam Laktat. *Jurnal Kimia Terapan Indonesia*, 18(01), 63–71. <https://doi.org/10.14203/jkti.v18i01.41>

Shori, A. B. (2015). The potential applications of probiotics on dairy and non-dairy foods focusing on viability during storage. *Biocatalysis and Agricultural Biotechnology*, 4(4), 423–431. <https://doi.org/10.1016/j.bcab.2015.09.010>

Simanullang,Y,E,P. Gunam,I,B,W. Wartini,N,M. (2019). Karakteristik Sari Buah Salak Varietas Nangka (*Salacca Zalacca* Var. *Ambonesnsis*) Pada Penambahan Jenis Dan Konsentrasi Penstabil. *Jurnal Rekayasa dan Manajemen Agroindustri* Vol. 7, No.1, 98-112, Maret 2019

SK Kepala BPOM No HK.00.05.52.4040 tentang kategori pangan

Stanbury, P.F., Whitaker, A., & Hall, S.J. (1995). *Principles of Fermentation Technology* Second Edition. London : Butterworth Heinemann

Sumaryati, B. T. Utami, T., dan Suparmo. (2009). The effect of infection of *Escherichia coli* and addition of *Lactiplantibacillus plantarum* subsp. *plantarum Dad-13* on infected Wintar Mice with *Escherichia coli* (In Indonesian). *Agritech* 29:165-170.



- Supriyadi, Suhardi, Suzuki, M., Yoshida, K., Muto, T., Fujita, A., & Watanabe, N. (2002). Changes in the volatile compounds and in the chemical and physical properties of snake fruit (*Salacca edulis* Reinw) cv. Pondoh during maturation. *Journal of Agricultural and Food Chemistry*, 50(26), 7627–7633. <https://doi.org/10.1021/jf020620e>
- Teuber, M. (1993). 10 Lactic Acid Bacteria. *Biotechnology*, 325–366.
- Tian, H., Yu, B., Yu, H., & Chen, C. (2020). Evaluation of the synergistic olfactory effects of diacetyl, acetaldehyde, and acetoin in a yogurt matrix using odor threshold, aroma intensity, and electronic nose analyses. *Journal of Dairy Science*, 103(9), 7957–7967. <https://doi.org/10.3168/jds.2019-17495>
- Tologana, R. D., Wikandari, R., Rahayu, E. S., Suroto, D. A., & Utami, T. (2022). Correlation between the chemical, microbiological and sensory characteristics of cream cheese using a mixed and single probiotic culture. *Journal of Food Science and Technology*. <https://doi.org/10.1007/s13197-022-05603-0>
- van Baarlen, P., Wells, J. M., & Kleerebezem, M. (2013). Regulation of intestinal homeostasis and immunity with probiotic lactobacilli. *Trends in Immunology*, 34(5), 208–215. <https://doi.org/10.1016/j.it.2013.01.005>
- Vinderola, G., Binetti, A., Burns, P., & Reinheimer, J. (2011). Cell viability and functionality of probiotic bacteria in dairy products. *Front Microbiol*, 2 : 1-6.
- Wu, S., Yang, J., Dong, H., Liu, Q., Li, X., Zeng, X., & Bai, W. (2021). Key aroma compounds of Chinese dry-cured Spanish mackerel (*Scomberomorus niphonius*) and their potential metabolic mechanisms. *Food Chemistry*, 342(September 2020), 128381. <https://doi.org/10.1016/j.foodchem.2020.128381>
- Yuniastuti, A. (2014). PROBIOTIK (Dalam Perspektif Kesehatan). UNNES PRESS
- Zheng, J., Wittouck, S., Salvetti, E., Franz, C. M. A. P., Harris, H. M. B., Mattarelli, P., O'toole, P. W., Pot, B., Vandamme, P., Walter, J., Watanabe, K., Wuyts, S., Felis, G. E., Gänzle, M. G., & Lebeer, S. (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*. *International Journal of Systematic and Evolutionary Microbiology*, 70(4), 2782–2858. <https://doi.org/10.1099/ijsem.0.004107>