

DAFTAR PUSTAKA

- Adib, A., Wahid, M.H., Sudarmono, P. & Surono, I.S., 2013. *Lactobacillus plantarum* pada Feses Individu Dewasa Sehat yang Mengonsumsi *Lactobacillus plantarum* IS-10506 dari Dadih. *Jurnal Teknologi dan Industri Pangan*, 24(2), pp. 154-160.
- Al-Sheraji, S.H., Ismalia, A., Manap, M.Y., Mustafa, S., Yusof, R.M. & Hasan, F.A., 2013. Prebiotics as Functional Food. *Journal of Functional Foods*, 5, pp. 1542-1553.
- Alvarez-Olmos, M.I. & Oberhelman, R.A., 2001. Probiotic Agents and Infectious Diseases: a Modern Perspective on a Traditional Therapy. *Clinical Infectious Diseases*, 32, pp.1567–1576.
- Arief, I., Jakaria, T., Suryati, Z., Wulandari. & Andreas, E., 2013. Isolation and Characterization of Plantaricin Produced by *Lactobacillus plantarum* Strains (IIA-1A5,IIA-1B1,IIA2B2). *Media Peternakan*, 36(2), pp. 91-100.
- Ashayerizadeh, D., Bastar, B., Shams, S.M., Ashayerizadeh, A. & Mamooe, M., 2009. Influence of Antibiotic, Prebiotic Supplementation Diets on Carcass Characteristics, Hematological Indices and Internal Organ Size of Young Broiler Chickens. *Journal of Animal and Veterinary Advances*, 8, pp. 1772-1776.
- Azizah, U., 2004. *Larutan Asam Basa*. Proyek Pengembangan Kurikulum Diknas: Jakarta.
- Barrow, G.I. & Feltham, R.K.A., 1993. *Cowan and Steel Manual for the Identification of Medical Bacteria*. Cambridge University Press: New York.
- Baumler, A.J., Hargis, B.M. & Tsois, R.M., 2000. Tracing Origin of *Salmonella* outbreaks. *Science*, 287, pp. 50–52.
- Boe., 1996. Evaluation of Optimum Production for Bacteriocin From *Lactobacillus* sp. JB 42 Isolation from Kimchi. *Journal of Microbiol Biotech*, 6, pp. 63-67.
- Bonev, B., Hooper, J. & Parisot, J., 2008. Principles of Assessing Bacterial Susceptibility to Antibiotics Using the Agar Diffusion Method. *Journal of Antimicrobial Chemotherapy*, 61, pp. 1295- 1301.
- Budiman, C., Arief, I.I. & Yusuf, M., 2018, Optimasi Ekstraksi DNA Genomik Probiotik *Lactobacillus plantarum* IIA-1A5 dari Daging Sapi Peranakan Ongole untuk Sekuensing Genom Utuh. *Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan*, 6(1), pp. 6-12.
- Brooks, G.F., Carroll, K. & Butel, J.S., 2013. *Jawetz, Melnick, & Adelberg's Medical Microbiology*. Ed ke-26. McGraw-Hill Company Inc: Philadelphia.
- Damayanti, E., Julendra, H., Sofyan, A. & Hayati, S.N., 2014. Bile Salt and Acid Tolerant of Lactic Acid Bacteria Isolated from Proventriculus of Broiler Chicken. *Media Peternakan*, 37(2), pp. 80-86.

- Djaafar, T.F., Rahayu, E.S., Wibowo. & Sudarmadji., 1996. Substansi Antimikroba Bakteri Asam Laktat yang Diisolasi dari Makanan Hasil Fermentasi Tradisional Indonesia. *Jurnal Pertanian Indonesia*, 1, pp. 15–21.
- Djaafar, T.F. & Rahayu, S., 2007. Cemaran Mikroba pada Produk Pertanian, Penyakit yang Ditimbulkan dan Pencegahannya. *Jurnal Litbang Pertanian*, 26(2), pp. 67-75.
- Duncan, S.H. & Flint, H.J., 2013. Probiotics and Prebiotics and Health in Ageing Populations. *Maturitas*, 75, pp. 44-50.
- Fuller, R., 1989. Probiotics in Man and Animals. *J. Appl. Bacteriol*, 66, pp.365-378.
- Gibson, G.R. & Roberfroid, M., 1995. Dietary Modulation of Human Colonic Microbiota – Introducing the Concept of Prebiotics. *Journal of Nutrition*, 125, pp.1401-1412.
- Gonzalez, B., Glaasker, E., Kunji, E.R.S., Driessen, A.J.M., Rez, J.E.S. & Konings, W.N., 1996. Bactericidal Mode of Action of Plantaricin C. *Applied And Environmental Microbiology*, 62(8), pp. 2701–2709.
- Ghosh, B. & Ray, R.R., 2010. Saccharification of Raw Native Starches by Extracellular Isoamylase of *Rhizopus oryzae*. *Biotechnology*, 9(2), pp. 224-228.
- Hanafiah, K.A., 2005. *Biologi Tanah, Ekologi dan Mikrobiologi Tanah*. Raja Grafindo Persada: Jakarta.
- Hasan, A. & Wikandari, P.R., 2018. Penentuan Waktu Produksi Optimum Bakteriosin Asal *Lactobacillus plantarum* B1765 Berdasarkan Aktivitas Penghambatannya Terhadap *Staphylococcus aureus*. *Journal of Chemistry*, 8(1), pp. 15-20.
- Haryati, T., 2011. Probiotik dan Prebiotik sebagai Pakan Imbuhan Nonruminansia. *Wartazoa*, 21(3), pp. 125-132.
- Huebner, J., Wehling, R.L. & Hutkins, R.W., 2007. Functional Activity of Commercial Prebiotics. *International Dairy Journal*, 17, pp. 770–775.
- Jawetz, E., Melnick, J.L. & Adelberg, E.A., 2005. *Mikrobiologi Kedokteran Edisi XXII*. Salemba Medika: Jakarta.
- Julendra, H., Suryani, A.E., Istiqomah, L., Damayanti, E., Anwar, M. & Fitriani, N., 2017. Isolation of Lactic Acid Bacteria with Cholesterol-Lowering Activity from Digestive Tracts of Indonesian Native Chickens. *Media Peternakan*, 40(1), pp. 35-41.
- Karimi, R., Azizi, M.H., Ghasemlou, M. & Vaziri, M., 2015. Application of Inulin in Cheese as Prebiotic, Fat Replacer and Texturizer: A review. *Carbohydrate Polymers*, 119, pp. 85–100.
- Karthikeyan, V. & Santosh, S.W., 2009. Isolation and Partial Characterization of Bacteriocin Produced from *Lactobacillus Plantarum*. *African Journal of Microbiology Research*, 3, pp. 233-239.

- Kawai, T., Oshima, T., Shin, R., Ikawa, S., Maeda, N. & Gomi, K., 2016. Determine of the Antibacterial Consituents Produced by *Lactobacilli* against a Periodontal Pathogen: Sodium Lactate and a Low Molecular Weight Substance. *Journal of Probiotics and Health*, 4(1), pp.1-7.
- Khikmah, N., 2015. Uji Antibakteri Susu Fermentasi Komersial pada Bakteri Patogen. *Jurnal Penelitian Saintek*, 20 (1), pp.45-53.
- Khodijah, S., Tuasikal, B.J., Sugoro, I. & Yusneti., 2006. Pertumbuhan *Streptococcus agalactiae* Sebagai Bakteri Penyebab Mastitis Subklinis pada Sapi Perah. *Seminar Nasional Teknologi Peternakan*. UIN Syarif: Jakarta.
- Khoiriyah, H. & Ardiningsih, P., 2014. Penentuan Waktu Inkubasi Optimum Terhadap Aktivitas Bakteriosin *Lactobacillus* sp. RED4. *Jurnal Kedokteran dan Kesehatan*, 3(4), pp. 52-56.
- Kompiang, L.P., 2009. Pemanfaatan Mikroorganisme sebagai Probiotik untuk meningkatkan Produksi Ternak Unggas di Indonesia. *Pengembangan*, 2 (3), pp.177-191.
- Kusmiati. & Malik, A., 2002. Aktivitas Bakteriosin dari Bakteri *Leuconostoc mesenteroides* Pbac1 pada Berbagai Media. *Makara Kesehatan*. 6(1), pp. 1-7.
- Leroy, D.V., 2007. Bacteriocins from Lactic Acid Bacteria: Production, Purification, and Food Applications. *J. Mol .Microbiol Biotechnol*, 13, pp. 194–199.
- Lim, S.M. & Im, D. S., 2007. Bactericidal Effect of Bacteriocin of *Lactobacillus plantarum* K11 Isolated from Dongchimi on *Escherichia coli* O157. *Journal Food Hygiene and Safety*, 22(3), pp. 151-158.
- Lopes, S.M.S., Francisco, M.G., Higashi, B., de Almeida, R.T.R., Krausová, G., Pilau, E.J., Goncalves, J.E., Goncalves, R.A.C. & de Oliveira, A.J.B., 2016. Chemical Characterization and Prebiotic Activity of Fructo-oligosaccharides from *Stevia rebaudiana* (Bertoni) Roots Andin Vitro Adventitious Root Cultures. *Carbohydrate Polymers*, 152, pp. 718–725.
- Lu, X., Lin, Y., Jie, Y., Sun, M., Zhang, B., Bai, F., Zhao, H. & Li, J., 2017. Purification, Characterization, and Action Mechanism of Plantaricin DL3, a novel Bacteriocin Against *Pseudomonas aeruginosa* Produced by *Lactobacillus plantarum* DL3 from Chinese Suan- Tsai. *Eur Food Res Technol*, 244(2), pp. 323-331.
- Macfarlane, G.T. & Cumming, J.H., 1999. Probiotics and Prebiotics: Can Regulating the Activities of Intestinal Bacteria Benefit Health. *Br. Med. J.*, 318, pp. 999–1003.
- Makras, L., Van Acker, G. & De Vuyst, L., 2005. *Lactobacillus paracasei* subsp.paracasei 8700:2 Degrades Inulin-type Fructans Exhibiting Different Degrees of Polymerization. *Applied and Environmental Microbiology*, 71, pp. 6531–6537
- Mangunwidjaja, D., Rahayuningsih, M. & Suparwati, R., 2014. Pengaruh Konsentrasi Enzim dan Waktu Hidrolisis Enzimatis Terhadap Mutu Frukt-

- Oligosakarida dari Inulin Umbi Dahlia (*Dahlia pinnata*). *E-Jurnal Agroindustri Indonesia*, 3(1), pp. 2252 – 3324.
- Mourad, K., Halima, Z. K. & Nour-Eddine, K., 2005. Detection and Actifity of Plantaricin OL 15 a Bacteriocin Produced by *Lactobacillus plantarum* OL 15 Isolated from Algerian Fermented Olive. *Grasasy Aceites*, 56(3), pp.192-197.
- Nurbaiti, R.A. & Ali, M., 2016. Skrening Bakteri Asam Laktat yang Diisolasi dari Usus Ayam Broiler sebagai Kandidat Probiotik untuk Unggas. *Jurnal Ilmu dan Teknologi Peternakan Indonesia*, 2(1), pp.144-149.
- Ogunbanwo, S.T., Sanni, A.I. & Onilude, A.A., 2003. Influence of Cultural Conditions on the Production of Bacteriocins by *Lactobacillus brevis* OG1. *African Journal of Biotechnology*, 2(7), pp.179-84.
- Pan, X., Chen, F., Wu, T., Tang, H. & Zhao, Z., 2009. The Acid, Bile Tolerance and Antimicrobial Property of *Lactobacillus acidophilus* NIT. *Journal of Food Control*, 20, pp. 598-602.
- Pelczar, M.J. & Chan, E.C.S., 1986. *Dasar-Dasar Mikrobiologi 1*. Universitas Indonesia Press: Jakarta.
- Pleczar, M.J. & Chan, S., 1988. *Dasar-dasar Mikrobiologi 2*. Indonesia University Press, Jakarta.
- Pelczar, M.J. & Chan, E.C.S., 1998. *Dasar-Dasar Mikrobiologi Jilid II*. UI Press: Jakarta
- Primurdia, E.G. & Kusnadi, J., 2014. Aktivitas Antioksidan dan Minuman Probiotik Sari Kurma (*Phoenix dactilyfera* L.) dengan Isolat *L. Plantarum* dan *L. casei*. *Jurnal Pangan dan Agroindustri*, 2(3), pp. 98-109.
- Rastall, R.A. & Maitin, V., 2002. Prebiotics and Synbiotics: Towards the Next Generation. *Curr Opin Biotechnol*, 13, pp. 490–6.
- Rawal, K., Nirav, B., Gopal, R., Raol, B.V. & Patel, J.D., 2013. Bacteriocin: Production and Optimization by *Lactobacillus* Species. *Journal of Microbiology and Biotechnology Research*, 3(6), pp.64-76.
- Radji, M. 2011. *Mikrobiologi. Buku Kedokteran*. ECG: Jakarta.
- Reyes, I.A., Valery, Z. & Valduz., 2007. Phosphate Solubilizing Microorganism Isolate from Rhizospheric and Bulk Soil of Colonizer Plants at An Abandoned Rock Phosphate Mine. *Plant and Soil*, 287, pp. 69-75.
- Roberfroid, M. B., 2007. Prebiotic: The Concept Revisited. *The Journal of Nutrition*, 137, pp. 830- 837.
- Roberfroid, M.B., 2000. Chicory Fructooligosaccharides Saccharides and The Gastrointestinal Tract. *Journal Nutrition*, 16, pp. 677-679.

- Sabir, A., 2005. Aktivitas Antibakteri Flavonoid Propolis *Trigona* sp terhadap Bakteri *Streptococcus mutans* (in vitro). *Majalah Kedokteran Gigi (Dent. J)*, 38(3), pp. 135-141.
- Sari, N.P., Sari, R. & Untari, E.K., 2018. Antibacterial Activity Test of Bacteriocin from *Lactobacillus brevis*, *Lactobacillus casei* and *Lactobacillus plantarum* Against Gram Positive Pathogenic Bacteria. *Journal of Tropical Biodiversity and Biotechnology*, 3, pp. 85-91.
- Schmitz & Allenspach, K., 2017. Effects of Different Oligosaccharides on Growth of Selected Probiotic Bacterial Strains. *Journal of Microbial & Biochemical Technology*, 9 (2), pp. 572-576.
- Scholz-Ahrens, K.E., Schaafsma, G., Heuvel, E. & Schrezenmeir, J., 2001, Effects of Prebiotics on Mineral Metabolism, *The American Journal of Clinical Nutrition*, 73(2), pp. 459-464.
- Setiarto, R.H., Widhyastuti, N. & Rikmawati, N.A., 2017. Optimasi Konsentrasi Fruktooligosakarida untuk Meningkatkan Pertumbuhan Bakteri Asam Laktat Starter Yoghurt. *Jurnal Veteriner*, 18 (3), p.428-440.
- Setiarto, R.H.B., Widhyastuti, N., Saskiawan, I. & Safitri, R.M., 2017. Pengaruh Variasi Konsentrasi Inulin pada Proses Fermentasi oleh *Lactobacillus acidophilus*, *Lactobacillus bulgaricus* dan *Streptococcus thermophilus*. *Biopropal Industri*, 8(1), pp.1-17.
- Setyati, W.A., Martani, E., Triyanto., Subagiyo. & Zainuddin, M., 2015. Kinetika Pertumbuhan dan Aktivitas Protease Isolat 36k dari Sedimen Ekosistem Mangrove, Karimunjawa, Jepara. *Ilmu Kelautan*, 20(3), pp.163-169.
- Sifour, M., Tayeb, I., Haddar, H.O., Namous, H. & Aissaoui., 2012. Production and Characterization of Bacteriocin of *Lactobacillus plantarum* F12 with Inhibitory Activity Against *Listeria monocytogenes*. *TOJSAT*, 2(1), pp.55-61.
- Siswandono & Soekardjo, B., 1995. *Kimia Medisinal*. Airlangga Press: Surabaya.
- Su, P., Henrikson, A. & Mitchell, H., 2007. Selected Prebiotics Support the Growth of Probiotic Mono-Cultures In-Vitro. *Anaerobe*, 13, pp.134-139.
- Sulistiani., 2017. Senyawa Antibakteri yang Diproduksi oleh *Lactobacillus plantarum* dan Aplikasinya untuk Pengawetan Bahan Ikan. *Jurnal Biologi Indonesia*, 13(2), pp. 233-240.
- Sumanti, D.M., Lanti1, I., Hanidah, I., Sukarminah, E. & Giovanni, A., 2016. Pengaruh Konsentrasi Susu Skim dan Maltodekstrin Sebagai Penyalut Terhadap Viabilitas dan Karakteristik Mikroenkapsulasi Suspensi Bakteri *Lactobacillus plantarum* Menggunakan Metode *Freeze Drying*. *Jurnal Penelitian Pangan*, 1(1), pp. 7-13.
- Surjowardojo, P., Susilorini, T.E. & Benarivo, V., 2016. Daya Hambat Dekok Kulit Apel Manalagi (*Malus sylvestris* Mill) terhadap Pertumbuhan *Escherichia coli* dan *Streptococcus agalactiae* Penyebab Mastitis pada Sapi Perah. *Jurnal Ternak Tropika*, 17(1), pp. 11-21.