

DAFTAR REFERENSI

- Akmar, A. 2006. Aktivitas Protease dan Kandungan Asam Laktat pada Yoghurt yang Dimodifikasi *Bifidobacterium bifidum* dan diinokulasi *Pseudomonas fluorescens*. *Skripsi*. Bogor: Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor.
- Agus, P. 2015. Uji Efikasi Probiotik Terenkapsulasi Sebagai Agen Antidiare Pada Tikus Sprague Dawley. *Tesis*. Bogor: Gizi Masyarakat Institut Pertanian Bogor.
- Anal A.K, Singh H. 2007. Recent advances in microencapsulation of probiotics for industrial application and targeted delivery. *Trends in Food Science & Technology*. 18, pp. 240-251.
- Anderson, MM. Requena JR, Crowley JR, Thorpe SR, Heinecke JW. 1999. The myeloperoxidase of human phagocytes generates N-(carboxymethyl)lysine on proteins a mechanism for producing advanced glycation end products at sites of inflammation. *J Clin Invest*. 104 (1), pp. 103-130.
- Arief, I. I., B. Sri Laksmi Jenie, M. Astawanb, & A. B. Witarto. 2008. Efektivitas Probiotik *Lactobacillus plantarum* 2C12 dan *Lactobacillus acidophilus* 2B4 Sebagai Pencegah Diare pada Tikus Percobaan. *Media Peternakan*. pp. 137-143.
- Baek, YJ., BH Lee. 2009. Probiotics and prebiotics as bioactive components in dairy products. Park WY, editor. *Bioactive Components in Milk and Dairy Products*. Iowa: John Wiley and Sons, Inc. pp. 288-304.
- Betrisna, D. 2010. Efektivitas Kombinasi Herbal dengan Zink dalam Pakan Terhadap Aktivitas dan Kapasitas Fagositosis Sel Polimorfonuklear Pada Ayam Broiler yang Ditantang dengan *Escherichia Coli*. *Skripsi*. Bogor: Insitut Pertanian Bogor.
- Bijanti, R., M. Gandul A. Y., Wiwik T. 2011. *Antigenesity protein of Aeromonas hydrofila caused ulcer disease on Goldfish (Cyprinus carpio linn) using indirect ELISA technique*. Surabaya: Veterinary Basic Science Departement, Microbiology Departement Faculty of Veterinary Medicine, Airlangga University.
- Capela P., Hay TKC, Shah NP. 2006. Effect of cryoprotectant, prebiotics, and microencapsulation on survival of probiotic organism in yoghurt and freeze-dried yoghurt. *Food Research International*. 39, pp. 203-211.
- Chang, W. T. H., Ben H. B. Chiu. 2003. Preservation of Probiotic Bacteria by Double Coating Technology and its Application in Yogurt. *Prosiding Second Asian Conference on Lactic Acid Bacteria*. November. pp. 14-15.
- De Vos P, Garrity M G, Jones D, Krieg N, Ludwig W, Rainey A, Seleifer H Karl, Witman W. 2009. *Bergey's Manual of Systematic Bacteria Second Edition*. New York : Springer Dordrecht Heidelberg London.
- Eveline M., Awemu I, Liu JR, Zhao X. 2009. Bioactive Components in Yogurt Products. Park WY, editor. *Bioactive Components in Milk and Dairy Products*.

- Iowa: John Willey and Sons, Inc. *Bioactive Components in Milk and Dairy Products*. pp. 235-250.
- Fujaya, Y. 2004. *Fisiologi Ikan Dasar Pengembangan Teknik Perikanan*. Jakarta: Rineka Cipta. 179.
- Frandsen, R.D. 1992. *Anatomi dan Fisiologi Ternak Edisi ke-4*. Yogyakarta: Gadjah Mada University Press.
- Frazier, W.C., Westhoff D.C., 1998. Contamination, Preservation and Spoilage of meats, In *Food Microbiology*. 4th ed. Singapore: Mc.Graw-Hill Book Company.
- Gomes, A.M.P. and Malcata, F.X., 1999. *Bifidobacterium* sp. And *Lactobacillus acidophilus*: Biological, Biochemical, Technological and Therapeutical Properties Relevant for Use as Probiotics. *Trends Food Sci Technol*, 10, pp. 139-157.
- Guyton, Arthur C. 1983. *Fisiologi Manusia dan Mekanismenya terhadap Penyakit*. Jakarta: EGC.
- Hoier E. 1992. Use of probiotic starter cultures in dairy products. *Food Australia J*. 44 (9), pp. 418-420.
- Homayouni A., Azizi A, Ehsani MR, Yarmand MS, Razavi SH. 2008. Effect of microencapsulation and resistant starch on the probiotic survival and sensory properties of synbiotic ice cream. *Food Chemistry*. 111, pp. 50-55.
- Hsio, H., W. Lian, C. Chou. 2003. Viability of Various Microencapsulated *Bifidobacteria* During Storage. *Prosiding Second Asian Conference on Lactic Acid Bacteria*. November. pp. 14-15.
- Indri Pradipta, M.S. 2017. Pengaruh Mikroenkapsulasi Probiotik Bakteri Asam Laktat Indigenous Unggas Menggunakan Bahan Penyalut Maltodekstrin terhadap Viabilitas Selama Penyimpanan. *Journal of Livestock Science and Production*. 1 (1). pp. 32-36.
- Irianto, A. 2007. *Potensi Mikroorganisma : Di Atas Langit Ada Langit*. Ringkasan Orasi Ilmiah di Fakultas Biologi Universitas Jenderal Sudirman. 12 Mei.
- Ishibashi, N., Shimamura, S. 1993. *Bifidobacteria* research and development in Japan. *Food Technology*. 17, pp. 61-126.
- Junqueira, L.C., dan Carneiro, J. 1982. *Histologi Dasar (basic Histology)*. Edisi III. Alih Bahasa Adji Dharma. Jakarta: Penerbit Buku Kedokteran EGC. pp. 255
- Kailasapathy, K. 2002. Microencapsulation of probiotic bacteria: Technology and potential application. *Curr. Issues Intest. Microbiol*. 3, pp. 39-48.
- Kirk J.H. 2005. *Milk Quality on The Dairy-Who is Responsible?*. Tulare:University of California Davis. <http://www.vetmed.ucdavis.edu/vetext/INFDA/MilkQualresponsib.pdf>. Desember 2017.
- Krasaekoopt, W., Bhandari B, Deeth HC. 2003. Evaluation of encapsulation techniques of probiotic yoghurt. *International Dairy Journal*. 13, pp. 3-13.

- Lay, B. W. 1994. Analisis Mikrobiologi di Laboratorium. Jakarta: PT Raja Grafindo Persada.
- Liong, M. T. & N. P. Shah. 2006. Effects of a *Lactobacillus casei* synbiotic on serum lipoprotein, intestinal microflora and organic acids in rats. *J. Dairy Sci.* 89, pp. 1390-1399.
- Lisal, JS. 2005. Konsep Probiotik dan Prebiotik untuk Modulasi Mikrobiota Usus Besar. *Jurnal Media Nusantara*.
- Lukiwille, U., Uhlig HH. 2007. Dairy products, probiotics and the health of infants and children. In : Saarela M (ed). *Functional Dairy Products*., USA: CRC press. 2, pp. 47.
- Mitsuoka, T. 1989. Microbe in the Intestine Our Lifelong Partners. *Yakult Honska Co. Japan: Ltd*.
- Mortazavian, A.M., Azizi, A., Ehsani, M.R., Razavi, S.H., Mousavi, S.M., Sohrabvandi, S., Reinheimer, J.A., 2008. Survival of encapsulated probiotic bacteria in Iranian yogurt drink (Doogh) after the product exposure to simulated gastrointestinal conditions. *Milchwissenschaft*. 63(4), pp. 427-429.
- Moyle, P.B and J.J Cech. 2004. *Fish An Introduction To Ichthyology* Fifth Edition. New Jersey: Prentice Hall.
- Munasir Z, Siregar SP. 2007. Alergi Susu Sapi. Dalam : Buku Ajar Alergi Imunologi Anak. Jakarta: Ikatan Dokter Anak Indonesia. 285-94.
- Naggar, M.Y.M. 2004. Comparative study of probiotic culture to kontrol the growth of Escherichia coli O157: H7 and Salmonella typhimurium. *J. Biotechnol.* 3(2) : 173-180.
- Novel, S.S., Asri, P.W., dan Ratu, S. 2008. *Praktikum Mikrobiologi Dasar*. Jakarta: Erlangga.
- Nugraha, H. A. 2013. Imunomodulasi Ekstrak Kayu Siwak (*Salvadora persica*) terhadap Fagositosis Makrofag Cairan Peritoneum Mencit Balb/c pada infeksi Bakteri *Porphyromonas gingivalis*. *Skripsi*. pp. 6-11.
- Nurjanah, Siti. 2014. Analisis Keragaman Bakteri Asam Laktat Dari Saluran Pencernaan Ayam Cemani Berdasarkan Gen 16s Rrna Dan Potensi Penggunaannya Sebagai Probiotik. *Thesis*. Bogor: IPB.
- Nusa, K.C., Mantik, M.F.J., dan N. Rampengan. 2015. Hubungan ratio neutrofil dan limfosit pada penderita penyakit infeksi virus dengue. *Jurnal e-Clinic (eCi)*, 3(1), pp. 210-216.
- Oskay, M. 2009. Antifungal and Antibacterial Compounds from *Streptomyces* Strains. *African Journal of Biotechnology*. 8(13), pp. 3007-3017.
- Ouwehand, A.C., Salminen, S., Tolkkio, S., Roberts, P., Ovaska, J. dan Salminen, E. 2002. Resected human colonic tissue: New models for characterizing adhesion

- of lactic acid bacteria. *Journal of Clinical and Diagnostic Laboratory Immunology*. 9. pp. 184-186.
- Ramnik S. 2003. Haematology for students and practitioners. *5th edition*. New Delhi: Jaypee Brothers.
- Rohim, A. dan Soebijanto. 2002. Probiotik dan Flora Normal Usus. *Ilmu Penyakit Anak*. Jakarta: Salemba Medika.
- Rokka, S., Rantamaki, P. 2010. Protecting probiotic bacteria by microencapsulation: challenges for industrial application. *Eur Food Res Technol*. 231, pp. 1-12
- Rustikawati, I. 2012. Efektivitas Ekstrak Sargassum sp. Terhadap Diferensiasi Leukosit Ikan Nila (*Oreochromis niloticus*) yang Diinfeksi *S. Iniae*. *Jurnal Akuatika*. 3(2). pp. 125-134.
- Salasia, S. I. A., D. Sulanjari dan A. Ratnawati. 2001. Studi Hematologi Ikan Air Tawar. *Bagian Patologi Klinik Fakultas Kedokteran Hewan*. Universitas Gajah Mada.
- Salminen, S., Von wright A, & Ouwehand A. 2004. Lactid Acid Bacteria. *Microbiology and Functional Aspect*. New York: Marcell Dekker.
- Septiarini, E. Harpeni dan Wardiyanto, 2012. Pengaruh Waktu Pemberian Probiotik Yang Berbeda Terhadap Respon Imun Non-Spesifik Ikan Mas (*Cyprinus carpio* L.) Yang Diuji Tantang Dengan Bakteri *Aeromonas Salmonicida*. *Jurnal Penelitian*. 1, pp. 40-46.
- Setyorini, D.A., M Arifin, Nurwantoro. 2010. Karakteristik sosis Probiotik Daging Sapi menggunakan *Lactobacillus casei* dan *Bifidobacterium bifidum* Pada Lama Penyimpanan Yang Berbeda. *Seminar Nasional Teknologi Peternakan dan Veteriner*. pp. 396-405.
- Sherwood, L. 2001. *Fisiologi Manusia dari Sel ke Sistem*. Jakarta: EGC. pp.356 – 388.
- Smith JB and Mangkoewidjojo S. 1988. Pemeliharaan, pembiakan dan penggunaan hewan percobaan di daerah tropis. Jakarta: UI-Press.
- Sultana, K., Godward G, Reynolds N, Arumugaswamy R, Peiris P, dan Kailasapathy K. 2000. Encapsulation of probiotics bacteria with alginate starch and evaluation of survival in simulated gastrointestinal conditions and in yoghurt. *International Journal of Food Microbiology*. 62, pp. 47-55
- Sunarlim, R. 2009. Potensi *Lactobacillus* sp. asal dari dadih sebagai starter pada pembuatan susu fermentasi khas indonesia. *Buletin Teknologi Pascapanen pertanian*. 5.
- Sunarno. 2007. Efek *Phyllanthus Niruri* pada Prosentase Neutrofil, Koloni Bakteri Limpa dan Histopatologi Hepar Mencit Balb/C yang Diinfeksi *Salmonella Typhimurim*. *Tesis*. Semarang: Program pascasarjana Universitas Diponegoro.

- Supriyanto. 2010. Pengaruh Pemberian Probiotik Dalam Pelet Terhadap Pertumbuhan Lele Sangkuriang. FMIPA Unnes. 8(1). 17-25.
- Tambur Z, *et al.*, 2006. White Blood Cell Differential Count in Rabbits Artificially Infected with Intestinal Coccidia. *J. Protozool.* 16, pp. 42-50.
- Usmiati, S. dan T. Marwati. 2007. Seleksi Dan Optimasi Proses Produksi Bakteriosin dari *Lactobacillus* sp. *Jurnal Pascapanen.* 4(1), pp. 27-37.
- Vasiljevic T, Shah NP. 2008. Probiotics-From Metchnikoff to bioactives. *International Dairy Journal.* 18, pp. 714-28.
- Waspodo, I.S. 2001. Efek Probiotik, Prebiotik dan Simbiotik bagi Kesehatan. www.jrenik.net.
- WHO. 2002. Guidelines for the Evaluation of Probiotics in Food. Food and Agriculture Organization of the United Nations/ World Health Organization. London. United Kingdom.
- Zinedine, A. and M. Faid. 2007. Isolation and Characterization of Strains of Bifidobacteria with Probiotic Properties In Vitro. National Institute of Health, Morocco. *World Journal of Dairy of Food Sciences.* 2(1), pp. 28-34.

