

DAFTAR PUSTAKA

- Adams, M.R dan Moss, M.O. 2008. *Food Microbiology*. 3rd Edn. The Royal Societyof Chemistry Publishing. UK.
- Afzal, A., Mahmood, M.S., Hussain, I., Akhtar, M., 2011. Adulteration and Microbiological Quality of Milk. A Review. *Pakistan J. Nutrition* 10(12): 1195-1202.
- Ahmed, S. I dan Jutatip W.2007. Fermented Milk in Asia. *Handbook of Food Products Manufacturing*. Jakarta.
- Aini, Yuli Nur, Suranto;Setyaningsih ratna. 2003. "Pembuatan Kefir Susu Kedelai (*Glycine max L. Merr*) dengan Variasi Kadar Susu Skim dan Inokulum". *BioSMART*. Vol 5. No 2.
- Aliaga, I. L., M. J. M. Alferez, M. Barrionuevo, T. Nestares, M. R. S.Sampelayo, and M. S. Compos. 2003. Study of Nutritive Utilization Of Protein And Magnesium in Rats With Resection of The Distal Small Intestine. Beneficial Effect of Goat Milk. *J. Dairy Science*. 86:2968-2966.
- Almeida EG, Rachid CCTC, Schwan RF. 2007. Microbial Population Present InFermented Beverage 'Caum' Produced by Brazillian Amerindians.*Int J Food Microbial* 120:146-151.DOI : 10.1016/j.ijfoodmicro.2007.06.020
- Amalia, G. 2012 Penetapan Kadar Lemak Pada Susu Kental Manis MetodeSokletasi. Medan: Universitas Sumatera Utara
- Aristya, A. L., M. Legowo, dan A. N. Albaarri. 2013. Total Asam, Total Khamir, dan Profil Kefir Susu Kambing dengan Penambahan Jenis dan Konsentrasi Gula yang Berbeda. *Jurnal Pangan dan Gizi*. 4 (7): 139-143.
- Aritonang, N. S. 2009. *Susu dan Teknologi*. Swagati Press. Cirebon.
- Atmanegara, A. J., E.T. Sutrisno dan Y. Taufik. 2015. Pengaruh Konsentrasi Inokulum *Acetobacter aceti* dan Lama Fermentasi Terhadap karakteristik Vinegar Murbei (*Morus alba*).Skipsi. Program StudiTeknologi Pangan. Universitas Pasundan. Bandung.
- Azizah. N., A.N. Al-Baaridan S. Mulyani. 2012. Pengaruh Lama TerhadapFermentasi Kadar Alkohol, pH, dan Produksi Gas Pada Proses Fermentasi Bioetanol dari Whey dengan Substitusi Kulit Nanas. *Jurnal Aplikasi Teknologi Pangan*. 1(2): 72-77

Badan Standardisasi Nasional. 2011. SNI 01-3141-2011. Standardisasi Nasional Indonesia. Susu Fermentasi. Jakarta.

Badan Standarisasi Nasional (BSN). 2011. SNI 01–3141–2011. Susu Segar. Jakarta (ID): Badan Standarisasi Nasional

Badan Standarisasi Nasional. 2009. SNI.2981:2009. Yoghurt. Badan Standar Nasional Indonesia. Jakarta.

Bengoa, A.A. Iraporda, C. Garrote G.L. and Abraham A.G. 2018. Kefir Micro-Organisme Their Role In Grain Assembly and Healt Properties Of Fermented Milk. Journal Microbiology. The Society for Applied Microbiology. ISSN 1364-5072.

Chandan, R.C., White, C.H., Kilara, A. dan Hui, Y.H. 2006. Cultures For Health. 2013. A Where Healty Food Starts Guide “ Milk Kefir”. Cultures for Healt. Sioux Falls.

Chen, H. C., Wang, S. Y., dan Chen, M. J. 2008. Microbiological Study of Lactic Acid Bacteria in Kefir Grains by Culture dependent and Culture-Independent Methods. Food Microbiology. Vol. 25:492–501.

Chen, T., Wang, S., Chen, K., Liu, J., dan Chen, M. 2009. Microbiological and Chemical Properties of Kefir Manufactured by Entrapped Microorganisms Isolated from Kefir Grain. J. Dairy Sci. Vol. 92: 30026-10044.

Clark, S., Mora Gracia, M. B. 2017 A 100-year review: Advance in goat milk research. Journal of Dairy Science, Vol. 100 (12): 10026-10044.

Codex Alimentarius Commission (2011) Milk and Milk Products (CODEX STAN 243- 2003), vol. 2: 6–16. Rome, Italy: World Health Organization (WHO) and Food and Agriculture Organization of the United Nations (FAO).

Codex Alimentarius Committee. 2003. Codex Standard for Fermented Milks. Codex STAN 243. FAO/WHO Food Standards.

Coles, R, Merek, M dan Mark, J.K. 2003. Food Packaging Technology. Blackwell Publishing Ltd. ISBN 0-8493-9788-X.

Czamanski R.T, Greco D.P dan Wiest J.M. 2004. Evaluation of Antibacterial Activity in Filtrates of Traditional Kefir. *Rev Hig Alim* 18, 75-77.

Farnworth, E. R., and I. Mainville. 2003. Kefir : A Fermented Milk Product. Pages 77-103. Handbook of Fermented Functional Foods. R. Farnworth, ed. CRC Press, Boca Raton, EL.

- Farnworth, E.R. 2005. Kefir – A Complex Probiotic. Food Science and Technology Bulletin: Functional Foods 2:1-17.
- Farnworth, E.R. 2008. Handbook of Fermented Functional Foods, 2nd Edn. CRC Press. New York.fermentation. Korean Journal for Food Science of Animal Resource 33: 325-330.
- Fathir, F. N. 2010. Pembuatan Yoghurt Simbiotik dari Susu Kambing Peranakan Etawa MenggunakanKultur Campuran Bakteri Asam Laktat sebagai Pangan Fungsional Pencegah Diare. Skripsi. Fakultas Teknologi Pertanian Institut Pertanian Bogor. Bogor. 33-36
- Febriantosa, A., Purwanto, B.P., Arief, I.I, dan widyastuti, A. 2013. Karakteristik Fisik, Kimia, Dan Mikrobiologi Whey Kefir dan Aktifitasnya Terhadap Penghambatan Angiotensin Converting Enzyme. Jurnal teknologi dan industri pangan. Fakultas peternakan. IPB. Bogor.
- Ferawati, Erpomen., Melia, S. Kurnia, Y. F., Suharto, E. L. S, Rastosari, A dan Suhartati, L. 2019. Diseminasi Teknologi Pengelolahan Susu Kefir Sari Buah di Nagari Sungai Kamuyang Kabupaten Limapuluh Kota. JurnalHilirisasi IPTEKS. Vol. 2 (4a): 343-353.
- Flowers, S.R. 2004. *Salmonella*. In: *Bacteria Associated with Foodborne Disease*. Scientific Status Summary. Institute of Food Technology. Pp 3-6
- Food Review Indonesia, 2003. Freeze Drying Technology for Better Quality and Flavor of Dried Products. Vol.8. No.2 Hal:56-57.
- Garrote, G.L., Abraham, A.G., De Antoni, G.L., 2001. Chemical and Microbiological Characterization of Kefir Grains. Journal of Dairy Research 68, 639-625.
- Gaware, V., Kiran, K., Ramdas, D dan Kiran, D. 2011. The Magic of Kefir: A Review. Pharmacology online. Vol. 1: 376-386
- Ghasemlou, M., Khodaiyan, F., Gharibzahedi, S.M.T., 2012. Enhanced Production of Iranian Kefir Grain Biomass by Optimization and Empirical Modeling of Fermentation Conditions Using Response Surface Methodology. Food Bioprocess Technology 5, 3230-3235.
- Gronnevik, H., Falstad M., and Narvhus J. A. 2011. Microbiological and Chemical Properties of Norwegian Kefir During Storage. *International Dairy Journal* 21: 601–606
- Gul, O, Mortas M, Atalar I, Dervisoglu M, Kahyao. 2015. Manufacture and Characterization of Kefir Made from Cow and Buffalo Milk, Using Kefir Grain and Starter Culture. Jurnal Dairy Sci. Vol. 98: 1517-1525

- Guzel-Seydim, Z., A. Seydim, and A. Greene. 2000a. Organic Acids And Volatile Flavor Components Evolved During Refrigerated Storage of Kefir. *J. Dairy Sci.* 83:275-277.
- Han, B. Z., Meng., Y., LI., Yang, Y.X., Ren, F.Z., Zeng. Q.K., dan Nout, R. 2007. A.Survey on the Microbiological and Cinemical Composition or Buffalo Milk in China. *Food Coutir.* 18. 742-746
- Hariyadi, Nurliana dan Sugito 2013. Nilai pH dan Jumlah Bakteri Asam Laktat Kefir Susu Kambing Setelah Difermentasi dengan Penambahan Gula dengan Lama Inkubasi yang Berbeda. Banda Aceh. *Jurnal Medika Veterina.* Vol. 7(1)
- Harley, J. P. and L. M. Prescott. 1993. *Laboratory Excercises in Microbiology.* Second Edition. C Brown Publishers, New York
- Heller, K.J., 2001. Probiotic bacteria in fermented foods : product characteristics and starter organisms. *American Journal Clinical Nutrition,* 73 : 374S–9S.
- Hidayat A. 2010. Manajemen Kesehatan Pemerasan. Bandung: Dinas Peternakan Jawa Barat.Indonesia SNI Susu segar. Jakarta
- Hidayat, Nur, Padaga, Masdiana C., Suhartati, Sri. 2006. *Mikrobiologi Industri.* Yogyakarta: Penerbit Andi
- Irigoyen, A., I. Arana, M. Castiella, P. Torre, and F. C. Ibanez. 2005. Microbiological, Physicochemical, And Sensory Characteristics Of Kefir During Storage. *Food Chem.* 90:613–620.
- Jawets, E., Melnick, J. L., Adelberg, E. A., 2005. *Mikrobiologi Kedokteran*, Edisi XXII, diterjemahkan oleh Bagian Fakultas Kedokteran Universitas Airlangga, 205-209, Penerbit Salemba Medika, Jakarta.
- Jorgensen, H.J., T. Mork, H.R. Hogasen, and L.M. Rorvik. 2005. Enterotoxigenic *Staphylococcus aureus* in bulk milk in Norway. *J. Appl. Microbial.* (99): 158-166.
- Julianto B, Rossi E, Yusmarini. 2016. Karakteristik kimiawi dan mikrobiologi kefir susu sapi dengan penambahan susu kedelai. *Jom Faperta* 3 (1).
- Liu, J.R., Wang, S.Y., Lin, Y.Y., Lin, C.W., 2002b. Antitumor Activity of Milk Kefir and Soy Milk Kefir in Tumor-bearing Mice. *Nutr. Cancer* 44, 182–187.
- Liutkevicius, A., Sarkinas, A., 2004. Studies on The Growth Conditions and Compocition of Kefir Grain – As a Food and Forage Biomass. *Veterinarija ir Zootechnika* 25, 64-70.

- Liviawati, E. dan Afrianto, E. 2010. Penanganan Ikan Segar. Proses Penurunan dan Cara Mempertahankan Kesegaran Ikan. Penerbit Widya Padjajaran. Bandung.
- LPPOM MUI. 2006. Panduan Penyusunan SJH. LPPOM MUI, Jakarta.
- Macfarlane, G.T. dan Cummings, J.T. 1999. Probiotic and Prebiotic: Can Regulating The Activities of Intestinal Bacteria Benefit Health. Education and Debate. BMJ. (318): 999-1003.
- Magalhaes, K.T., Dragone, G., De Melo Pereira, G.V., Oliviera, J.M., Domingues, L., Teixeira, J.A., De Almeida Silva, J.B., Schwan, R.F. 2011. Comparative Study of the Biochemical Changes and Volatile Compound Formations during the production of novel whey based kefir beverages and traditional milk kefir. Food Chem. 126, 249–253.
- Mohammad. 2002. Ilmu Ternak dan Pengolahan Pangan Edisi 1. Yogyakarta : Gramedia Pustaka
- Muizuddin, Muhammad., dan Elok Zubaidah. 2015. “Aktivitas Antibakteri Kefir Teh Daun Sirsak (*Annona Muricata Linn*) dari berbagai Merk Teh Daun Sirsak Dipasaran”. Jurnal Pangan dan Industri 3(4): 1662-72
- Ningsih, M., Setyawati, T.R dan Mukarlina. 2014. Kualitas Susu Cair Pasta Pasteurisasi Setelah Penambahan Sirup Oligofruktosa Umbi Talas Kimpul (*Xanthomonas sagitifolium* Schott). Jurnal Protobiont. 3 (2) : 93-99
- Nurhayati, Y. 2016. Analisa Total Plate Count, Bakteri Asam Laktat, dan Daya Simpan Masker Kefir Susu Kambing. Fakultas Peternakan. Universitas Nusantara PGRI Kediri.
- Nurliyani, Harmayani, E. dan Sunarti. 2014. Microbiologi quality, fatty acid and amino acid profiles of kefir produced from combination of goat and soy milk. *Pakistan Journal of Nutrition*13: 107-115.
- Oh, N.S., Lee, H.A., Myung, J.H., Lee, J.Y. dan Joung, J.Y. 2013. Effect of Different Commercial Oligosaccharides on The Fermentation Properties in Kefir During Fermentation. Korean J. Food Sci. Anim Resour 33 (3), 325-330.
- Orihara, O., I. Sakauchi and Y. Nakazawa. 1992. Types and StandardforFermented Milk and Lactic Acid Drinks. In Function of Fermented Milk. Challenges for healt sciences. Y.Nakazawa and Hosono (ed). Elsevier Applied Science, London.
- Otles, S. dan O. Cagindi. 2003. Kefir : A Probiotic Dairy-Composition, Nutritional and Therapeutic Aspects. Pakistan J. of Nutr. 2(2):54-59

- Otsoa, Lopitz, F., Rementeria, A., Elguazabal, N. dan Garaizar, J. 2006. Kefir : A Symbiotic Khamir Bacteria Community with Alleged Healthy Capabilities. *Revista Iberoamericana de Micologia* 23: 67 – 74.
- Pelczar, Michael, J dan Chan, E.C.S. 2008. Dasar – Dasar Mikrobiologi Jilid I. Jakarta: UI Press.
- Pogacic, T., Sanja.S., Simun. Z., Dubravka, S. 2013. Microbiota of kefir grains. Review Mjekarstvo Vol.63 No.1:3-14
- Powell, J.E. 2006. Bacteriocins and bacteriocin producers present in kefir and kefir grains. MSc Food Science, University of Stellenbosch.
- Purwati, E., Syukur, S. dan Hidayat, Z. 2005. *Lactobacillus sp.* Isolasi dari Biovicophitomega sebagai probiotik. Lembaga Ilmu Pengetahuan Indonesia, Jakarta, Bandung.
- Puspitarini, R.O dan Inggit Kentjonowaty. 2015. Pengaruh Lama Simpan pada Refrigerator Terhadap Kualitas Susu Kambing Pasteurisasi. Malang. Dinamika Rekasatwa. Vol. 8 No. 1
- Ray, B., 2004. Fundamental Food Microbiology, CRC press : Boca Raton.
- Reiny, S, S. 2012. Potensi *Lactobacillus acidophilus* ATCC 4796 Sebagai Biopreservatif Pada Rebusan Daging Ikan Tongkol. Jurnal IJAS, II (2): 604– 613.
- Rodrigues, K.L., Caputo, L.R.G., Carvalho, J.C.T., Evangelista, J., Schneedorf, J.M., 2005. Antimicrobial and Healing Activities of Kefir and Kefiran Extract. *Int. J. Antimicrob. Agents* 25, 404–408.
- Rosa, D.D., Manoela M.S.D., Lukasz, M., Grzes'kowiak., Sandra, A., Reis, L.L., Conceição dan Maria, D.C.G.P. 2017. Milk kefir: Nutritional, Microbiological and Health Benefits. *Nutrition Research Reviews*, doi:10.1017/S0954422416000275 : 1-15
- Sadiyah, I., A. Nurlaelasari, dan M. N. Handayani. 2017. Physicochemical Characteristics of Mung Bean Kefir With Variation Levels of Skim Milk And Fermentation Time. *IOP Conf. Ser.: Mater. Sci. Eng.* 180 (2017): 1 – 5.
- Safitri, M.F dan Swarastuti A. 2011. Kualitas Kefir Berdasarkan Konsentrasi Kefir Grain. *Jurnal Aplikasi Teknologi Pangan* 2(2):87-92
- Saleh, E. 2004. Dasar Pengolahan Susu Dan Hasil Ikutan Ternak. Ilmu Produksi Fakultas Pertanian Universitas Sumatera Utara. <http://library.usu.ac.id/download/Fe/Ternak>. Diakses pada 06 Maret 2020.

- Salminen, S., Wright, AV., Ouwehand A. 2004. Lactic Acid Bacteria. New York : Marckel Dekker.
- Sanam, A. B. N. S. Ida dan K. A. Kadek. 2014. Ketahanan Susu Kambing Peranakan Etawa Post-Thawing pada penyimpana Lemari Es Ditinjau dari Uji Didih dan Alkohol. Indonesia Medicus Veterinus, Vol 3. No. 1 : 1-8
- Santos, A., Sanmauro, M., Sanchez, A., Torres, J.M and Marquina, D. 2003. The Antimicrobial Properties of Different Strain of *Lactobacillus* Spp. Isolated From Kefir. Systematic and Applied Microbiology.26 : 434-437
- Sarkar, S. 2008. Biotechnological Innovations in Kefir Production: A Review. Br Food J 110. 283 – 295.
- Simova, E., Beshkova, D.M., Angelov, A., Hristozova, T., Frengova, G., Spasov, Z., 2002. Lactic Acid Bacteria and Yeasts in Kefir Grains and Kefir Made from Them. J. Ind. Microbiol. Biotechnol. 28, 1–6.
- Siswanto, E. 2007. Pembuatan Minuman Kefir dari Susu Kacang Merah dengan menggunakan Kultur Starter *Lactobacillus bulgaricus* dan *Saccaromyces cereviceae* Kajian Pengaruh Konsentrasi Starter dan Lama Inkubasi. Skripsi. Fakultas Teknologi Pertanian. Untag Semarang.
- Sopandi, T. dan Wardah, 2014. Mikrobiologi Pangan (Teori dan Praktik) : Andi. Yogyakarta.
- Stepaniak, L., Fetlinski, A., 2003. Kefir In: Roginski, H., Fuquay, J.W., Fox, P.F. (Eds.), Encyclopedia of Dairy Science. Academic Press, London, pp. 1049-1054.
- Suardana IW. 2014. Aplikasi Bakteriosin Asal Yoghurt sebagai Biopreservatif Daging Ayam pada Penyimpanan Suhu Dingin. Prosiding Seminar Nasional Sains dan Teknologi. Denpasar, 18-19.
- Sulmiyati., N. S. Said, D. U. Fahrodi, R. Malaka dan F. Maruddin. 2018a. The Characteristic of lactic Acid Bacteria Isolated From Indonesian Commercial Kefir Grain.Malays. J. Microbiol. 14:632-639.
- Surono, I.S. 2004. Probiotik Susu Fermentasi dan Kesehatan. Yayasan Pengusaha Makanan dan Minuman Seluruh Indonesia (YAPMM). TRICK. Jakarta. P 31-32.
- Suwito, W., 2010. Bakteri yang Sering Mencemari Susu : Deteksi, Patogenesis, Epidemiologi dan Cara Pengendaliannya. Jurnal Litbang Pertanian, 29, pp 96-100.

- Thai Agricultural Standard. 2008. Raw Goat Milk. Thailand: National Bureau of Agricultural Commodity and Food Standards. Ministry of Agricultural and Cooperatives.
- Tifauzah, Noor, Agus Wijanarko, Waluyo, dan Lastmi Wayansari. 2013. Buku Panduan Ilmu Pangan Dasar. Yogyakarta : Politeknik Kesehatan Kemkes Yogyakarta
- Urnemi, S. Syukur, E. Purwati, I. Sanusi, Jamsari. 2012. Potensi Bakteri Asam Laktat sebagai Kandidat Probiotik Penghasil Bakteriosin terhadap Mikroba Patogen asal Fermentasi Kakao Varietas Criollo. Jurnal Riset teknologi Industri (LIPI). 6 (13).
- Usmiati, S. 2007. Kefir Susu Fermentasi dengan Rasa Menyegarkan. Warta Penelitian dan Pengembangan Pasca Panen Pertanian. 29 (2): 12-17.
- Usmiati, S. dan Risfaheri, 2012. Pengembangan Dadih sebagai Pangan Fungsional Probiotik Asli Sumatera Barat. J. Litbang Pert. Balai Besar Penelitian dan Pengembangan Pasca Panen Pertanian. Vol. 32 No. 1
- Widodo, W. 2002. Biotehnologi Fermentasi Susu. Pusat Pengembangan Teknologi. Universitas Muhammadiyah Malang.
- Wignyanto, I. Nurika, dan I. Vida. 2007. Perencanaan Produksi Kefir Tomat Skala Rumah Tangga. Jurnal Teknologi Pertanian, Vol 8 No.3
- Winarno, F.G dan Surono, 2004. Good Manufacturing Practis. Cara pengolahan Pangan yang Baik. M-Brio Bogor.
- Wszolek, M., Kupiec-Teahan, B., Guldager, H.S., Tamime, A.Y., 2006. Production of Kefir, Koumiss and other Related Product. Fermented Milks. Blackwell Publishing, pp. 174-216.
- Wulandari A.O, Purwadi. Jaya, F. 2017. Penambahan Madu Bunga Kopi (*Coffea sp*) Terhadap Kualitas Kefir Ditinjau dari Karakteristik Mikrobiologi. Jurnal Ilmu dan Teknologi Hasil Ternak. Hal 83-88.
- Wyk, J. V. 2019. Kefir: The Champagne of Fermented Beverages. Bellville. South Africa. DOI:10.1016/B978-0-12-815271-3.00012-9
- Yuksedag, Z.N., Beyatili, Y., Aslim, B., 2004. Determination of Some Characteristic Coccoid forms of Lactic Acid Bacteria Isolated from Turkish Kefirs with natural probiotic. LWT Food Sci. Technol. 37, 663–667.
- Yusriyah, N.H dan R. Agustini. 2014. The Effect Of Fermentation and Concentration of Kefir Grains of Quality of Cow's Milk Kefir. UNESA Journal of Chemistry. Vol.3, No.2, 53-57.

Zaidemarno, N. 2016 Kualitas Kimia Susu Kambing Peranakan Etawa Pada Berbagai Periode Laktasi di Desa Sungai Langka Kecamatan Gedong Tataan Kabupaten Pesawaran.

Zhou, J., Liu, X., Jiang, H., dan Dong, M. 2009. Analysis of the microflora in Tibetan kefir grains using denaturing gradient gel electrophoresis. *Food Microbiology*, 26, 770–775.

