

## DAFTAR PUSTAKA

- Adam, Muh. Hasir; Rusman, Rusni Fitri. 2019. Pengaruh Penambahan Ekstrak Bunga Rosella (*Hibiscus sabdariffa* L) terhadap Keasaman pada Yogurt (pH). *Jurnal Peternakan Lokal*. 1(2): 28 – 33.
- Anisah; Rahayu, Triastuti. 2015. Media Alternatif untuk Pertumbuhan Bakteri Menggunakan Sumber Karbohidrat yang Berbeda. *Seminar Nasional XII Pendidikan Biologi FKIP UNS*. Hal 855 – 859.
- Arasu, Mariadhas Valan; Al-Dhabi, Naif Abdullah; Ilavenil, Soundharrajan; Choi, Ki Choon; Srigopalram, Srisesharam. 2015. *In vitro* importance of probiotic *Lactobacillus plantarum* related to medical field. *Saudi Journal of Biological Science*. 2016(23): s6 – s10.
- Ariviani, S. 2010. Total Antosianin Ekstrak Buah Salam dan Korelasinya dengan Kapasitas Anti Peroksidasi pada Sistem Linoleat. *Agrointek*, 4(2):121-127.
- Aryati, Devy Luwih; Rhoadi; Pratiwi, Ery. 2020. Aktivitas Antioksidan Ekstrak Kelopak Bunga Rosela (*H. sabdariffa* L.) Merah Pada Berbagai Suhu Pemanasan. *Jurnal Teknologi Pangan dan Hasil Pertanian*. 15(1): 1 – 9.
- Behera, S. S., Ray, R. C., & Zdolec, N. 2018. *Lactobacillus plantarum* with Functional Properties: An Approach to Increase Safety and Shelf-Life of Fermented Foods. *BioMed research international*. 2018: 1 – 18. <https://doi.org/10.1155/2018/9361614>
- Cases, Marisa. 2022. *The Introduction To Microbiology*. Manchester Community College: LibreTexts. Pp. 8.3.1.
- Corsetti, A; Ciarrocchi, Aurora & Prete, Roberta. (2016). Lactic Acid Bacteria: *Lactobacillus* spp.: *Lactobacillus plantarum*. 10.1016/B978-0-08-100596-5.00856-8.
- Desmira; Didik, Aribowo & Rian, Pratama. 2018. Penerapan Sensor pH Pada Area Elektrolizer di PT. Sulfindo Adiusaha. *Jurnal PROSISKO*. 5(1): 9 - 12.
- Detty, Ade Utia; Ika, Artini & Vikko, Rachmat Yulian. 2021. Karakteristik Faktor Risiko Penderita Katarak. *JKSH: Jurnal Ilmiah Kesehatan Sandi Husada*. 10(1): 12 – 17.
- Diniyah, Nurud & Sang-Han, Lee. 2020. Komposisi Senyawa Fenol dan Potensi Antioksidan dari Kacang-Kacangan: Review. *Jurnal Agroteknologi*. 14(1): 91 – 102.
- Diniyah, Nurud; Lee, Sang-Han. 2020. Komposisi Senyawa Fenol Dan Potensi Antioksidan Dari Kacang-Kacangan: Review. *Jurnal Agroteknologi*. 14(01): 91 – 102.
- Emkani, Mehresa; Bonastre, Oliete & Remi, Saurel. 2022. Effect of Lactic Acid Fermentation on Legume Protein Properties, a Review. *MDPI Fermentation*. 8(244): 1 – 43.
- Fatmawati, Umi; Prasetyo, Faisal I; Supia, Mega; Utami, Ardiyanti Nur. 2013. Karakteristik Yogurt Yang Terbuat Dari Berbagai Jenis Susu Dengan Penambahan Kultur Campuran *Lactobacillus bulgaricus* Dan *Streptococcus thermophilus*. *BIOEDUKASI*. 6(2): 1 – 9.
- Haryanti, Sri & Rini, Budiastuti. 2015. Morfoanatomi, Berat Basah Kotiledon dan Ketebalan Daun Kecambah Kacang Hijau (*Phaseolus vulgaris* L.) pada Naungan yang Berbeda. *Buletin Anatomi dan Fisiologi*. 23(1): 47 – 56.

- Hasan, Akhmad Endang Zainal Hasan; I Made, Artika & Syaeful, Abidin. 2014. Produksi Asam Laktat dan Pola Pertumbuhan Bakteri Asam Laktat dengan Pemberian Dosis Rendah Propolis *Trigona* spp asal Pandeglang Indonesia. *Current Biochemistry*. 1(3): 126 – 135.
- Hastuti, Luthfiana Indah & Endah, Retnaningrum. 2020. Kemampuan Fermentasi BAL Dengan Substrat Susu Kacang Merah. *Bioeksperimen*. 6(2): 116 – 122.
- Hirunpanish, V; Utaipat, A; Morales, N. P; Bunyaphrathasara, N; Sato, H; Herunsale, A; and Suthisisang, C. 2006. Hypcholesterolemic and Antioxidant Effects of Aqueous Extracts From The Dried Calyx of *Hibiscus sabdariffa* L. in Hypercholesterolemic rats. *Journal of Ethnopharmacology*. 103(2): 252-260.
- Hur, Sun Jin; Seung, Yuan Lee; Young-Chan, Kim; Inwook, Choi & Geun-Bae, Kim. 2014. Effect of fermentation on the antioxidant activity in plant-based foods. *Food Chemistry*. 160(2014): 346 – 356.
- ITIS (Integrated Taxonomic Information System). 2022. *Taxonomic Hierarchy: Hibiscus sabdariffa L.* [Online]. Tersedia: [https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=503001#null\(14 Juni 2022\)](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=503001#null(14%20Juni%202022)).
- ITIS (Integrated Taxonomic Information System). 2022. *Taxonomic Hierarchy: Phaseolus vulgaris L.* [Online]. Tersedia: [https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=26857#null\(14 Juni 2022\)](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=26857#null(14%20Juni%202022)).
- Jannah, Alifah Mafatikhul; Anang, Mohamad Legowo; Yoyok, Budi Pramono; Ahmad, Nimatullah Al-Baarri & Setya, Budi M Abduh. 2014. Total Bakteri Asam Laktat, pH, Keasaman, Citarasa dan Kesukaan *Yogurt Drink* dengan Penambahan Ekstrak Buah Belimbing. *Jurnal Aplikasi Teknologi Pangan*. 3(2): 7 – 11.
- Jubaidah, Siti; Henny, Nurhasnawati; Heri, Wijaya. 2016. Penetapan Kadar Protein Tempe Jagung (*Zea mays* L.) Dengan Kombinasi Kedelai (*Glycine max* (L.) Merrill) Secara Spektrofotometri Sinar Tampak. *Jurnal Ilmiah Manuntung*. 2(1): 111 – 119.
- Kim, Byung Hong; Gadd, Geoffrey Michael. 2008. *Bacterial Physiology and Metabolism*. New York: Cambridge University Press. Pp 2.
- Kotz, John C; Paul, M. Treichel & John, R. Townsend. 2010. *Chemistry & Chemical Reactivity*. Enhanced Edition. Canada: Mary Finch. Pp. 821.
- Kumalaningsih, Sri; Maimunah, Hindun Pulungan & Raisyah. 2016. Substitusi Sari Kacang Merah dengan Susu Sapi dalam Pembuatan Yogurt. *Industria: Jurnal Teknologi dan Manajemen Agroindustri*. 5(2): 54 – 60.
- Li, Changkun; Song, Jihong; Kwok, Lai-yu; Wang, Jicheng; Dong, Yan; Yu, Haijing; Hou, Qiangchuan; Zhang, Heping; Chen, Yongfu. Influence of *Lactobacillus plantarum* on yogurt fermentation properties and subsequent changes during postfermentation storage. *Journal of Dairy Science*. 100(4): 2512 – 2525.
- Lorenzo, J. M., Munekata, P. E., Dominguez, R., Pateiro, M., Saraiva, J. A., & Franco, D. 2018. Main Groups of Microorganisms of Relevance for Food Safety and Stability. *Innovative Technologies for Food Preservation*, 53–107. doi:10.1016/b978-0-12-811031-7.00003-0.

- Moat, Albert G; Foster, John W; Spector, Michael P. 2002. *Microbial Physiology*. Fourth Edition. Kanada: Wiley – Liss, Inc. pp 21.
- Nasrudin; Wahyono; Mustofa & Ratna, Asmah. 2015. Uji Aktivitas Antioksidan Ekstrak Etil Asetat Kulit Akar Senggugu (*Clerodendrum serratum*) Asal Imogiri, Yogyakarta. *Prosiding Seminar Nasional Peluang Herbal Sebagai Alternatif Medicine*. p. 112 – 117. ISBN: 978-602-19556-2-8.
- Ningsih, Nia Purnama; Rafika, Sari & Pratiwi, Apridamayanti. 2018. Optimasi Aktivitas Bakteriosin Yang Dihasilkan Oleh *Lactobacillus brevis* Dari Es Pisang Ijo. *Jurnal Pendidikan Informatika dan Sains*. 7(2): 233 – 242.
- Nurnasari, Elda; Khuluq, Ahmad Dhiaul. 2017. Potensi Diversifikasi Rosela Herbal (*Hibiscus Sabdariffa* L.) untuk Pangan dan Kesehatan. *Buletin Tanaman Tembakau, Serat & Minyak Industri*. 9(2): 82 – 92.
- Nyombaire, G; Siddiq, M; Dolan K. D. 2011. Physico-chemical and sensory quality of extruded light red kidney bean (*Phaseolus vulgaris* L.) porridge. *LWT – Food Science and Technology*. 44(2011): 1597 – 1602.
- Okafor, Nduka. 2007. *Modern Industrial Microbiology and Biotechnology*. United States of America: Science Publishers. pp 10.
- Pangastuti, Hesti Ayuningtyas; Affandi, Dian Rachmawati; Ishartani, Dwi. 2013. Karakterisasi Sifat Fisik Dan Kimia Tepung Kacang Merah (*Phaseolus Vulgaris* L.) Dengan Beberapa Perlakuan Pendahuluan. *Jurnal teknosains pangan*. 2(1): 20 – 29.
- Papagianni, Maria. 2012. Metabolic engineering of lactic acid bacteria for the production of industrially important compounds. *Computational and Structural Biotechnology Journal*. 3(4): 1 – 8.
- Pooja, Verma & Mishra, Sunita. 2014. Antioxidants and Disease Prevention. *International Journal of Advanced Scientific and Technical Research*. 4(2): 903 – 911.
- Pratiwi, Hera; Panunggal, Binar. 2016. Analisis Total Fenol Dan Aktivitas Antioksidan Pada Yogurt Ganyong (*Canna edulis*) Sinbiotik Dengan Substitusi Kacang Merah (*Phaseolus vulgaris* L). *Jurnal of Nutrition College*. 5(1): 44 – 50.
- Prescott, Lansing M. 2002. *Microbiology*. 5<sup>th</sup> Edition. New York: McGraw-Hill. Pp 529.
- Putri, R. Marwita Sari; Nurjanah & Kustariayah, Tarman. 2018. Analisis Kuantitatif Mikrobiologi Serbuk Minuman Fungsional Lintah Laut (*Discodoris* sp.) pada Suhu yang Berbeda Selama Penyimpanan. *Majalah Ilmiah Biologi Biosfera : A Scientific Journal*. 35(3): 124 – 130.
- Retnaningrum, Endah; Tania, Yossi; Rini, Nur'azizah; Fadilla, Sapalina & Periskila, Dini Kali Kulla. 2020. Characterization of a bacteriocin as biopreservative synthesized by indigenous lactic acid bacteria from dadih soya traditional product used in West Sumatra, Indonesia. *BIODIVERSITAS*. 21(9): 4192 – 4198.
- Rynne, N. M., Beresford, T. P., Kelly, A. L., & Guinee, T. P. 2004. Effect of milk pasteurization temperature and in situ whey protein denaturation on the composition, texture and heat-induced functionality of half-fat Cheddar cheese. *International Dairy Journal*. 14(11): 989–1001.
- Sari, Ni Made Rizka Erwinda; Ni Wayan, Wisaniyasa & A.A.I. Sri, Wiadnyani. 2020. Studi Kadar Gizi, Serat dan Antosianin Tepung Kacang Merah Dan

- Tepung Kecambah Kacang Merah (*Phaseolus vulgaris* L.). *Jurnal Itepa*. 9(3): 282 – 290.
- Schaechter, Moselio. 2009. *Encyclopedia of Microbiology*. Third Edition. United States of America: Academic Press. pp 39.
- Schillinger, U., Holzappel, W. H., & Björkroth, K. J. 2006. *Lactic acid bacteria. Food Spoilage Microorganisms*. Woodhead Publishing Series in Food Science, Technology and Nutrition. Pp. 541–578. doi:10.1533/9781845691417.5.541.
- Simanjuntak, Lidya; Sinaga, CHairina; Fatimah. 2014. Ekstraksi Pigmen Antosianin Dari Kulit Buah Naga Merah (*Hylocereus polyrhizus*). *Jurnal Teknik Kimia USU*. 3(2): 25 – 29.
- Tamine, A. Y. and Robinson, R. K. 2000. *Yoghurt: science and technology*. 2nd Edition. Germany: Woodhead Publishing Limited and CRC Press LLC.
- Tanrewali, Muhammad Saddam & Wahyuningsih. 2019. Pengalaman Pengobatan dan Kecemasan pada pasien Kanker di Awal Bros Hospital Makassar. *Journal of Health, Education and Literacy (J-Healt)*. 2(1): 14 – 18.
- Usman, N; Suradi, K; Gumilar, J. 2018. Pengaruh Konsentrasi Bakteri Asam Laktat *Lactobacillus plantarum* Dan *Lactobacillus casei* Terhadap Mutu Mikrobiologi Dan Kimia Mayones Probiotik. *Jurnal Ilmu Ternak*. 18(2): 79 – 85.
- Utami, Pramita; Susi, Lestari & Shanti, Dwita Lestari. 2016. Pengaruh Metode Pemasakan Terhadap Komposisi Kimia dan Asam Amino Ikan Seluang (*Rasbora argyrotaenia*). *Fishtech – Jurnal Teknologi Hasil Perikanan*. 5(1): 73 – 84.
- Wani, Idrees Ahmed; Sogi, Dalbir Singh; Wani, Ali Abas; Gill, Balmeet Singh. 2013. Physico-chemical and functional properties of flours from Indian kidney bean (*Phaseolus vulgaris* L.) cultivars. *LWT – Food Science and Technology*. 53(2013): 278 – 284.
- Wiley, Joanne M; Sherwood, Laina M; Woolverton, Christopher J. 2009. *PRESCOTT'S PRINCIPLES OF MICROBIOLOGY*. New York: McGraw-Hill. pp 821.
- Yang, En; Lihua, Fan; Jinping, Yan; Yueming, Jiang; Craig, Doucette; Sherry, Fillmore & Bradley, Walker. Infuence of culture media, pH and temperature on growth and bacteriocin production of bacteriocinogenic lactic acid bacteria. *AMB Express* 8. 10(2018): 1-14.