



DAFTAR PUSTAKA

- Aini, M. et al., 2021. Bakteri *Lactobacillus* sp dan Perannya Bagi Kehidupan. *Jurnal Jeumpa*, 8(2), pp. 614-624.
- Alamsyah, M. A. B. O., 2019. Pengaruh Glukomanan Terhadap Penurunan Risiko Penyakit Stroke Iskemik. *Jurnal Ilmiah Kesehatan Sandi Husada*, 10(2), pp. 292-298.
- Al-dhaheri, M. A., Mekkakia-Maaza, N. & Lakhdari, A., 2019. Noninvasive Blood Glucose Monitoring System Based on Near-Infrared Method. *International Journal of Electrical and Computer Engineering*, 10(2), pp. 1736-1746.
- Andreevskaya, M. et al., 2016. *Lactobacillus* Oligofermentans Glucose, Ribose and Xylose Transcriptomes Show Higher Similarity Between Glucose and Xylose Catabolism-induced Responses in The Early Exponential Growth Phase. *BMC Genomics*, 17(539), pp. 1-18.
- Anggela, Harmayani, E., Setyaningsih, W. & Wichienchot, S., 2022. Prebiotic Effect of Porang Oligo-glucomannan Using Fecal Batch Culture Fermentation. *Food Science and Technology*, Volume 42.
- Asih, S., Pudjiastuti, A. Q. & Ahmadi, 2018. Factors that Determine Income of Porang Farming on Community Forest Land. *International Journal of Management, Accounting and Economics*, 5(8), pp. 668-677.
- Behera, S. S. & Ray, R. C., 2016. Konjac Glucomannan, a Promising Polysaccharide of *Amorphophallus konjac* K. Koch in Health Care. *International Journal of Biological Macromolecules*, Volume 92, pp. 942-956.
- Brahe, L. K., Astrup, A. & Larsen, L. H., 2016. Can We Prevent Obesity-Related Metabolic Diseases by Dietary Modulation of the Gut Microbiota?. *American Society for Nutrition*, 7(1), pp. 90-101.
- Cani, P. D., Joly, E., Horsmans, Y. & Delzenne, N. M., 2006. Oligofructose Promotes Satiety in Healthy Human: a Pilot Study. *European Journal of Clinical Nutrition*, 60(5), pp. 567-572.
- Cirunay, A. R. T., Mopera, L., Sumague, M. J. V. & Bautista, J., 2021. In Vitro Fermentation and Prebiotic Potential of Pigeon Pea (*Cajanus cajan* (L.) Millsp.) Flour. *Food Research*, 5(1), pp. 174-184.
- Connolly, M. L., Lovegrove, J. A. & Tuohy, K. M., 2010. Konjac Glucomannan Hydrolysate Beneficially Modulates Bacterial Composition and Activity Within The Faecal Microbiota. *Journal of Functional Foods*, 2(3), p. 219 – 224.
- Damat, 2010. Aktivitas Prebiotik Pati-Garut Butirat. *Tropika Jurnal Penelitian Pertanian*, 18(2), pp. 1-13.
- Damayanti, N. W. E., Bintari, N. W. D. & Abadi, M. F., 2020. Perbedaan Jumlah Bakteri pada Wanita Lanjut Usia Berdasarkan Kultur Mikrobiologi Menggunakan Teknikcawan Tuang dan Cawan Sebar. *Meditory: The Journal of Medical Laboratory*, 8(1), p. 1 –4.
- Davinelli, S. et al., 2018. Short-term Supplementation With Flavanol-rich Cocoa Improves Lipid Profile, Antioxidant Status and Positively Influences The AA/EPA Ratio in Healthy Subjects. *The Journal of Nutritional Biochemistry*, Volume 61, pp. 33-39.
- Dewi, A. S. et al., 2021. The Importance of Consuming Probiotics for The Digestive Tract and Its Relation to The Human Immune System. *Prosiding SEMNAS BIO*, Volume 01, pp. 149-156.



- FDA, 2011. *Bacteriological Analytical Manual. Diarrheagenic Escherichia coli. Chapter 4A. Food and Drugs Administration (FDA)*. [Online] Available at: <http://www.fda.gov/Food/FoodScienceResearch/LaboratoryMethods/ucm070080.htm>. [Accessed 28 Februari 2023].
- Flint, H. J., Scott, K. P., Louis, P. & Duncan, S. H., 2012. The Role of The Gut Microbiota in Nutrition and Health. *Nature Reviews Gastroenterology & Hepatology*, Volume 9, p. 577–589.
- Food and Drugs Administration (FDA), 2012. *Bad Bug Book, Foodborne Pathogenic Microorganisms and Natural Toxins*. 2 ed. Silver Spring: FDA.
- Gibson, G. R. et al., 2017. The International Scientific Association for Probiotics and Prebiotics (ISAPP) Consensus Statement on The Definition and Scope of Prebiotics. *Nature Reviews Gastroenterology & Hepatology*, 14(8), p. 491–502.
- Haliman, C. D. & Alfinnia, S., 2021. Mikrobiota Usus, Prebiotik, Probiotik, dan Sinbiotik pada Manajemen Obesitas. *Media Gizi Kesmas*, 10(1), pp. 149-156.
- Handayani, T., Aziz, Y. S. & Herlinasar, D., 2020. Pembuatan dan Uji Mutu Tepung Umbi Porang (*Amorphophallus Oncophyllum* Prain) di Kecamatan Ngrayun. *Jurnal MEDFARM: Farmasi dan Kesehatan*, 9(1), pp. 13-21.
- Harmayani, E., Aprilia, V. & Marsono, Y., 2014. Characterization of Glucomannan from *Amorphophallus oncophyllum* and Its Prebiotic Activity in Vivo. *Carbohydrate Polymers*, 112(4), pp. 475-479.
- Hayeeawaema, F., Wichienchot, S. & Khuituan, P., 2020. Amelioration of Gut Dysbiosis and Gastrointestinal Motility by Konjac Oligo-glucomannan on Loperamide-induced Constipation in Mice. *Nutrition*, Volume 73.
- Hidayat, R., 2020. Study of Growth and Yield of Several Sources of Indonesian Konjac (*Amorphophallus onchophyllum*) Seedling by CPPU Treatments. *Nusantara Science and Technology Proceedings*, pp. 132-138.
- Hoffman, J. D. et al., 2019. Dietary Inulin Alters The Gut Microbiome, Enhances Systemic Metabolism and Reduces Neuroinflammation in an APOE4 Mouse Model. *PLoS One*, 14(8).
- Horiza, H., Azhar, M. & Efendi, J., 2017. Ekstraksi dan Karakterisasi Inulin dari Umbi Dahlia (*Dahlia* sp.L) Segar dan Disimpan. *EKSAKTA: Berkala Ilmiah Bidang MIPA*, 18(1), pp. 31-39.
- Hossain, M. N., Ranadheera, C. S., Fang, Z. & Ajlouni, S., 2022. Production of Short Chain Fatty Acids and Vitamin B12 During The In-vitro Digestion and Fermentation of Probiotic Chocolate. *Food Bioscience*, Volume 47, pp. 1-12.
- Huebner, J., Wehling, R. L. & Hutkins, R. W., 2007. Functional Activity of Commercial Prebiotics. *International Dairy Journal*, 17(7), pp. 770-775.
- Huebner, J., Wehling, R. L., Parkhurst, A. & Hutkins, R. W., 2008. Effect of Processing Conditions on The Prebiotic Activity of Commercial Prebiotics. *International Dairy Journal*, Volume 18, p. 287–293.
- Jang, H. N., Kumayas, T. R. & Romulo, A., 2023. Physicochemical and Sensory Evaluation of Shirataki Noodles Prepared From Porang and Tapioca Flours. *In IOP Conference Series: Earth and Environmental Science*, 1169(1).
- Kadooka, Y. et al., 2013. Effect of Lactobacillus Gasseri SBT2055 in Fermented Milk on Abdominal Adiposity in Adults in A Randomised Controlled Trial. *British Journal of Nutrition*, 110(9), pp. 1696-11703.



- Kaewarsar, E. et al., 2023. Optimization of Mixed Inulin, Fructooligosaccharides, and Galactooligosaccharides as Prebiotics for Stimulation of Probiotics Growth and Function. *Foods*, 12(8), pp. 1-19.
- Kagambèga, A. et al., 2012. Diarrheagenic Escherichia coli Detected by 16-plex PCR in Raw Meat and Beef Intestines Sold at Local Markets in Ouagadougou, Burkina Faso. *International Journal of Food Microbiology*, 153(1-2), pp. 154-158.
- Karav, S. et al., 2016. Oligosaccharides Released from Milk Glycoproteins Are Selective Growth Substrates for Infant-Associated Bifidobacteria. *Applied and Environmental Microbiology*, 82(12), pp. 3622-3630.
- Kasi, P. D., Ariandi & Mutmainnah, H., 2017. Uji Antibakteriisolat Bakteri Asam Laktat yang Diisolasi dari Limbah Cair Sagu terhadap Bakteri Patogen. *Jurnal Biotropika*, 5(3), pp. 97-101.
- Keawyok, K., Waree, W. & Jodnak, S., 2023. Prebiotic Properties of Isomaltooligosaccharides From Cassava as a Potential Ingredient in High-Protein Drinks for Athletes. *Bioactive Compounds in Health and Disease*, 6(3), pp. 38-55.
- Kellow, N. J., Coughlan, M. T. & Reid, C. M., 2014. Metabolic Benefits of Dietary Prebiotics in Human Subjects: a Systematic Review of Randomised Controlled Trials. *British Journal of Nutrition*, 111(7), pp. 1147-1161.
- Kementerian Kesehatan RI, 2018. *Hasil Utama Riset Kesehatan Dasar tahun 2018*. Jakarta: Badan Penelitian dan Pengembangan Kesehatan RI.
- Khoiriyah, H. & Ardiningsih, P., 2014. Penentuan Waktu Inkubasi Optimum Terhadap Aktivitas Bakteriosin Lactobacillus sp. RED4. *Jurnal Kimia Khatulistiwa*, 3(4), pp. 52-56.
- Kurnia, N., 2022. Produksi Bioetanol dari Daun Rumput Gajah (Pennisetum purpureum) dengan Metode Simultaneous Saccharification and Fermentation (SSF) menggunakan Bakteri Clostridium acetobutylicum. *Doctoral dissertation, Universitas Hasanuddin*.
- Kurnia, N., Muhalis, M., Hunaepi, H. & Asy'ari, M., 2021. Pangan Fungsional untuk Proyek Independen KKN-Tematik di Masa Pandemi Covid-19. *SELAPARANG: Jurnal Pengabdian Masyarakat Berkemajuan*, 5(1), pp. 608-615.
- Kurniasih, T., Lusiastuti, A. M., Azwar, Z. I. & Melati, I., 2014. Isolasi dan Seleksi Bakteri Saluran Pencernaan Ikan Lele Sebagai Upaya Mendapatkan Kandidat Probiotik Untuk Efisiensi Pakan Ikan. *Jurnal Riset Akuakultur*, 9(1), pp. 99-109.
- Kusmiyati, N., 2021. *Prebiotik Nutrisi Sehat Saluran Pencernaan*. Jawa Tengah: CV. Pena Persada.
- Leenhardt, F., Levrat, M. A. & Davicco, M. J., 2019. Dietary Fibers, Prebiotics, and The Microbiota: Interactions and Impacts. *European Journal of Clinical Nutrition*, 73(1), pp. 23-26.
- Lestari, P. & Hardisari , R. R., 2019. Perbedaan Angka Kuman Udara Sebelum dan Sesudah Penyinaran Lampu Ultraviolet 90 Watt di Laboratorium Bakteriologi Jurusan Analis Kesehatan Poltekkes Kemenkes Yogyakarta. *Doctoral dissertation, Poltekkes Kemenkes Yogyakarta*.
- Liawidjaya, G. O. et al., 2022. The Immediate Effects of Porang-Processed Rice (Amorphophallus oncophyllus) on Blood Glucose Levels in Patients with Type 2 Diabetes Mellitus. *Bali Medical Journal*, 11(2), pp. 573-578.



- Li, Q. et al., 2020. Implication of the Gut Microbiome Composition of Type 2 Diabetic Patients From Northern China. *Scientific Reports*, 10(1), pp. 1-8.
- Maharini, N. K. D., 2021. *Pola Konsumsi Karbohidrat Terhadap Status Gizi dan Pengendalian Kadar Glukosa Darah pada Penderita Diabetes Mellitus Tipe 2 di Wilayah Kerja Puskesmas II Denpasar Barat*, s.l.: Doctoral Dissertation, Poltekkes Kemenkes Denpasar Jurusan Gizi.
- Maligan, J. M., Kusnadi, J. & Murtini, E. S., 2006. Studi Viabilitas Bakteri Probiotik Bifidobacterium bifidum, Lactobacillus acidophilus, dan Lactobacillus casei Termobilisasi pada Sistem Emulsi Air dalam Minyak Jagung dan Daya Tahannya pada Perlakuan Lanjutan. *Jurnal Teknologi Pertanian*, 7(3), pp. 141-149.
- Mareta, D. T. & Harmayani, E., 2015. Glukomanan Porang (Amorphophallus oncophyllus): Karakteristik, Potensi Prebiotik, dan Aplikasinya sebagai Pengenyai Bakso. *Thesis, S2 Ilmu dan Teknologi Pangan*.
- Marsono, Y. et al., 2020. Pengaruh Bubur Pisang Isomaltosa-oligosakarida dan Fibercreme terhadap Kadar Glukosa dan Lipida Darah serta Profil Digesta Tikus Diabetes. *agriTECH*, 40(3), pp. 190-198.
- Martiasih, M., 2014. *Aktivitas Antibakteri Ekstrak Biji Pepaya (Carica papaya L.) Terhadap Escherichia coli dan Streptococcus pyogenes*, s.l.: Doctoral Dissertation, UAJY.
- Maulidah, E. Y. & Yuanita, L., 2022. Pengaruh Pemberian Sirup Prebiotik Umbi Yakon Terhadap Aktivitas Enzim Pencernaan pada Duodenum Rattus norvegicus. *UNESA Journal of Chemistry*, 11(1), pp. 1-8.
- Maulidah, N. & Wahidah, F. F., 2021. Metode Perbanyak Azotobacter sp. dengan Media Cair di Kantor Koordinator PTPH Bojonegoro. *JMS: Jurnal Matematika dan Sains*, 1(2), pp. 75-80.
- McLoughlin, R. F. et al., 2017. Short-chain Fatty Acids, Prebiotics, Synbiotics, and Systemic Inflammation: a Systematic Review and Meta-analysis. *The American Journal of Clinical Nutrition*, 106(3), pp. 930-945.
- Melo, F. H. C. d. et al., 2020. Prebiotic Activity of Monofloral Honeys Produced by Stingless Bees in The Semi-Arid Region of Brazilian Northeastern Toward Lactobacillus Acidophilus LA-05 and Bifidobacterium Lactis BB-12. *Food Research International*, Volume 128.
- Misna & Diana, K., 2016. Aktivitas Antibakteri Ekstrak Kulit Bawang Merah (*Allium cepa*L.) Terhadap Bakteri *Staphylococcus aureus*. *GALENIKA Journal of Pharmacy*, 2(2), pp. 138-144.
- Nada, H. G., Sudha, T., Darwish, N. H. & Mousa, S. A., 2020. Lactobacillus acidophilus and Bifidobacterium longum Exhibit Antiproliferation, Anti-angiogenesis of Gastric and Bladder Cancer: Impact of COX2 Inhibition. *Pharma Nutrition*, Volume 14.
- Nakatani, M. et al., 2018. Production, Absorption, and Blood Flow Dynamics of Short-Chain Fatty Acids Produced by Fermentation in Piglet Hindgut during the Suckling–Weaning Period. *Nutrients*, 10(9).
- Nathasya, N., H, R. A. & Ulfah, A., 2020. Analisis Kandungan Serat dan Uji Hedonik pada Produk Snack Bar Tepung Beras Merah (*Oryza nivara* L) dan Kacang Hijau (*Phaseolus radiatus* L). *Journal of Holistic and Health Sciences*, 4(2), pp. 129-136.
- Nugraheni, B., Cahyani, I. M. & Herlyanti, K., 2014. Efek Pemberian Glukomanan Umbi Porang (Amorphophallus oncophyllus) Terhadap Kadar Kolesterol Total



- Darah Tikus yang Diberi Diet Tinggi Lemak. *Jurnal Ilmu Farmasi dan Farmasi Klinik*, 11(2), pp. 32-36.
- Palframan, R. J., Gibson, G. R. & Rastall, R. A., 2002. Effect of pH and Dose on The Growth of Gut Bacteria on Prebiotic Carbohydrates in Vitro. *Anaerobe*, 8(5), pp. 287-292.
- Parichat, P. & Pongsak, R., 2023. Probiotics: Sources, Selection and Health Benefits. *Research Journal of Biotechnology*, 18(5), pp. 102-113.
- Pratama, R. B., Berawi, K. N. & Islamy, N., 2021. Mikrobiota Usus dan Osteoarthritis (Gut Microbiota and Osteoarthritis). *Jurnal Ilmu Medis Indonesia (JIMI)*, 1(1), pp. 1-6.
- Pratiwi, R. H., 2017. Mekanisme Pertahanan Bakteri Patogen Terhadap Antibiotik. *Jurnal Pro-Life*, 4(3), pp. 418-429.
- Putra, R. P., 2020. Potensi Prebiotik Tepung Pisang yang Dimodifikasi Menggunakan Pemanasan Autoklaf Dilanjutkan dengan Retrogradasi. *Jurnal Pendidikan Teknologi Pertanian*, 6(2), p. 349 – 360.
- Putri, R. G., Triwitone, P. & Marsono, Y., 2020. Formulasi dan Karakteristik Bubur Kacang Merah (*Phaseolus vulgaris L.*) Instan dengan Pemanis Sukrosa, Isomalto-oligosakarida dan Fibercreme. *agriTECH*, 40(1), pp. 13-20.
- Rahayu, E. S. & Utami, T., 2019. *Probiotik dan Gut Microbiota: Serta Manfaatnya pada Kesehatan*. Daerah Istimewa Yogyakarta: PT Kanisius.
- Rahayu, W. P., Nurjanah, S. & Komalasari, E., 2020. *Escherichia coli: Patogenitas, Analisis, dan Kajian risiko..* Bogor: PT Penerbit IPB Press.
- Rahmawati, A. S. & Erina, R., 2020. Rancangan Acak Lengkap (RAL) dengan Uji Anova Dua Jalur. *OPTIKA: Jurnal Pendidikan Fisika*, 4(1), pp. 54-62.
- Ramadani, R. A., 2021. Pengaruh Tepung Umbi Porang (Amorphophallus onchophyllus) Sebagai Prebiotik pada Ransum Terhadap pH Ileum dan Laju Digesta Broiler. *Doctoral Dissertation, Universitas Hasanuddin*.
- Raut, M. et al., 2016. Quantitative Proteomic Analysis of The Influence of Lignin on Biofuel Production by *Clostridium acetobutylicum* ATCC 824. *Biotechnology for Biofuels*, 9(1), pp. 1-16.
- Respati, N. Y., Yulianti, E. & Rakhmawati, A., 2017. Optimasi Suhu dan pH Media Pertumbuhan Bakteri Pelarut Fosfat dari Isolat Bakteri Termofilik. *Kingdom (The Journal of Biological Studies)*, 6(7), pp. 423-430.
- Ridha , N., 2017. Proses Penelitian, Masalah, Variabel, dan Paradigma Penelitian. *Jurnal Hikmah*, 14(1), pp. 62-70.
- Rosida, D. F., Sarofa, U. & Aliffauziah, D., 2022. Characteristics of Non-gluten noodles from Modified Cocoyam (*Xanthosoma sagittifolium*) and Porang (Amorphophallus oncophyllus). *Italian Journal of Food Science*, 34(1), p. 13– 23.
- Rusli, Amalia, F. & Dwyana, Z., 2018. Potensi Bakteri *Lactobacillus acidophilus* Sebagai Antidiare dan Imunomodulator. *BIOMA: Jurnal Biologi Makassar*, 3(2), pp. 25-30.
- Safitri, A. H., Meryandini, A. & Yopi, 2014. Produksi Prebiotik (Manooligosakarida) dari Umbi Porang Menggunakan Mananase *Streptomyces violascens* BF 3. *Sekolah Pascasarjana IPB, Bogor*.
- Santacroce, L., Charitos, I. A. & Bottalico, L., 2019. A Successful History: Probiotics and Their Potential as Antimicrobials. *Expert Review of Anti-infective Therapy*, 17(8), pp. 635-645.
- Sarmanu, S., 2017. *Dasar Metodologi Penelitian Kuantitatif Kualitatif dan Statistika*. Surabaya: Pusat Penerbitan Dan Percetakan Universitas Airlangga.



- Savira, H. G. & Trimulyono, G., 2021. Aktivitas Antibakteri Isolat Bakteri dari Umbi Porang (*Amorphophallus muelleri*) Terhadap *Escherichia coli* dan *Staphylococcus aureus*. *LenteraBio*, 10(3), pp. 347-355.
- Scott, K. P. et al., 2013. The Influence of Diet on The Gut Microbiota. *Pharmacological Research*, 69(1), pp. 52-60.
- Sensitya, M., Hadi, M. S., Estiasih, T. & Saparianti, E., 2014. Efek Prebiotik dan Sinbiotik Simplicia Daun Cincau Hitam (*Mesona palustris* Bl) Secara In Vivo: Kajian Pustaka. *Jurnal Pangan dan Agroindustri*, 2(3), pp. 141-150.
- Setiarto, . R., Widhyastuti, N., Saskiawan, . I. & Safitri, R., 2017. Pengaruh variasi konsentrasi Inulin pada Proses Fermentasi oleh *Lactobacillus acidophilus*, *Lactobacillus bulgaricus* dan *Streptococcus thermophilus*. *Biopropal Industri*, 8(1), pp. 1-17.
- Shah, B. R. et al., 2015. Health Benefits of Konjac Glucomannan with Special Focus on Diabetes. *Bioactive Carbohydrates and Dietary Fibre*, 5(2), pp. 179-187.
- Sitompul, R., Darmanto , Y. S. & Romadhon, 2018. Aplikasi Karagenan Terhadap Kekuatan Gel pada Produk Kamaboko dari Ikan yang Berbeda. *Jurnal Pengolahan dan Bioteknologi Hasil Perikanan*, 6(1), pp. 38-45.
- Soesetyaningsi, E. & Azizah, 2020. Akurasi Perhitungan Bakteri pada Daging Sapi Menggunakan Metode Hitung Cawan. *Berkala Sainstek VIII*, 8(2), pp. 75-79.
- Solano-Aguilar, G. I. et al., 2018. The Effect of Feeding Cocoa Powder and *Lactobacillus rhamnosus* on the Composition and Function of Pig Intestinal Microbiome. *Current Developments in Nutrition*, 2(5).
- Song, Q. et al., 2018. Preparation, Structure Analysis and ACE Inhibitory Activity of Konjac Oligosaccharide. *Industrial Crops and Products*, Volume 124, pp. 812-821.
- Subhan, F. B. et al., 2020. Ingestion of Isomalto-oligosaccharides Stimulates Insulin and Incretin Hormone Secretion in Healthy Adults. *Journal of Functional Foods*, Volume 65, p. 103730.
- Sukarminah, E. et al., 2017. Pengaruh Konsentrasi Tepung Sorgum (*Sorghum bicolor* L. Moench) Terhadap Beberapa Karakteristik Minuman Sinbiotik. *Asian Journal of Environment, History and Heritage*, 1(2), pp. 1-11.
- Sunarti, 2017. *Serat Pangan dalam Penanganan Sindrom Metabolik*. 1 ed. Yogyakarta: Gadjah Mada University Press.
- Susilowati, A. et al., 2015. Perbedaan Komposisi dan Oligomer FOS Inulin dari Umbi Dahlia Merah (*Dahlia* sp. L) Menggunakan Enzim Inulinase dari Kapang *Scopulariopsis* sp.- CBS1 dan β -Amylase sebagai Anti Kolesterol. *Jurnal Pangan*, 24(2), pp. 107-116.
- Suter, I. K., 2013. Pangan Fungsional dan Prospek Pengembangannya. *Teknologi Pangan. Seminar Sehari dengan tema " Seminar Sehari dengan tema" Pentingnya Makanan Alamiah (Natural Food) Untuk Kesehatan Jangka Panjang*, pp. 1-17.
- Thairu, Y., Nasir, I. A. & Usman, Y., 2014. Laboratory Perspective of Gram Staining and Its Significance in Investigations of Infectious Diseases. *Sub-Saharan African Journal of Medicine*, 1(4), pp. 168-174.
- Ulayya, A. H. et al., 2022. The Importance of Natural ACE2 Inhibitor: Potency of Porang (*Amorphophallus muelleri*) Glucomannan as Anti-SARS-CoV-2. *Electronic Journal of General Medicine*, 19(1).



- Usta-Gorgun, B. & Yilmaz-Ersan, L., 2020. Short-chain Fatty Acids Production by Bifidobacterium Species in The Presence of Salep. *Electronic Journal of Biotechnology*, Volume 47, pp. 29-35.
- Wahyudi, A., 2019. *Yoghurt: Bugar dengan Susu Fermentasi*. 2 ed. Malang: UMM Press.
- Wan, X. et al., 2022. Production, Characterization, and Prebiotic Activity of Oligosaccharides From Konjac Glucomannan by *Bacillus amyloliquefaciens* WX-1. *Journal of Functional Foods*, Volume 88.
- Wichienchot, S. et al., 2006. In vitro Fermentation of Mixed Linkage Gluco-oligosaccharides Produced by *Gluconobacter oxydans* NCIMB 4943 by the Human Colonic Microflora. *Current Issues in Intestinal Microbiology*, 7(12), pp. 7-12.
- Widyaningsih, T. D., Wijayanti, N. & Nugrahini, N. I. P., 2017. *Pangan Fungsional: Aspek Kesehatan, Evaluasi, dan Regulasi*. 1 ed. Malang: Universitas Brawijaya Press.
- Winarti, S., Jariyah & Anggreini, R. A., 2019. Karakteristik dan Aktivitas Prebiotik Pati Resisten dari Tepung Umbi Uwi (*Dioscorea alata*) Termodifikasi. *Jurnal Teknologi Pangan*, 13(2), pp. 53-67.
- Wirawati, C. U. & Nirmagustina, D. E., 2022. Suplementasi Hidrolisat Glukomanan Tepung Porang (*Amorphophallus oncophillus*) pada Produk Minuman Sinbiotik. *Jurnal Penelitian Pertanian Terapan*, 22(1), pp. 37-34.
- Yang, J. et al., 2017. Molecular Weight Distribution and Fermentation of Mechanically Pre-treated Konjac Enzymatic Hydrolysates. *Carbohydrate Polymers*, 159(1), pp. 58-65.
- Yonata, A. & Farid, A. F. M., 2016. Penggunaan Probiotik Sebagai Terapi Diare. *Jurnal Majority*, 5(2), pp. 2-4.
- Zainuri, Sulastri, Y., Widyasari, R. & Suksesi, R., 2023. Porang Flour: An Alternative for Healthy and Halal Food Additive. *AIP Conference Proceedings*, 2619(1).