

DAFTAR PUSTAKA

- Addo-Preko, E., Amissah, J.G.N. & Adjei, M.Y.B. (2023) The Relevance of the Number of Categories in the Hedonic Scale to the Ghanaian Consumer in Acceptance Testing. *Frontiers in Food Science and Technology*, 3. P. 1071216.
- Agusthi, B.M. & Romadhan, M.F. (2024) Characteristics of Secang Jelly Drink as Functional Drink with the Addition of Red Ginger Extract for Antioxidant Source. *Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering)*, 13 (2), p.449.
- Agustina, R., Mufida, R., Lasepa, W., Mustika, A., Debilauralita, A., Limbong, S.T., Siregar, D.A., Prafiantini, E., Manikam, N.R. & Soewondo, P. (2025) Nutrient Intake Adequacy Among Adults in Indonesia and Malaysia: A Systematic Review and Meta-Analysis. *Current Developments in Nutrition*, p.106010.
- Akelom, K.M., Bisetegn, T.Y. & Bereka, T.Y. (2022) Development and Optimization of Cactus Pear Fruit Jelly Supplemented with Moringa Oleifera Leaf Extract. *Heliyon*, 8 (6), p.e09587.
- Akesowan, A. (2010) Optimization of Ingredients for The Manufacture of Sugar-Free Konjac Jelly Drinks by Response Surface Methodology. *Australian Journal of Basic and Applied Sciences*, 4 (8), pp.3546-3552.
- Ali, N., Kathak, R.R., Fariha, K.A., Taher, A. & Islam, F. (2023) Prevalence of Dyslipidemia and its Associated Factors Among University Academic Staff and Students in Bangladesh. *BMC Cardiovascular Disorders*, 23 (1).
- Anam, C., & Handajani, S. (2010). Mi Kering Waluh (*Cucurbita moschata*) dengan Antioksidan dan Pewarna Alami. *Caraka Tani: Journal of Sustainable Agriculture*, 25(1), 72-78.
- Anhare, A. S. & Dharmade, P. (2025) Moringa oleifera (Drumstick Tree): Nutraceutical, Cosmetological, and Medicinal Importance: A Review. *International Journal of Physiology, Nutrition and Physical Education 2025*, 10(1): 139-142.
- Apriantini, N.A., Putra, N.R.G. & Suryati, N.T. (2022) Review: Aplikasi Ekstrak Daun Kelor (*Moringa oleifera*) pada Berbagai Produk Olahan Daging. *Jurnal Ilmu Produksi Dan Teknologi Hasil Peternakan*, 10 (3), pp.132-143.
- Arviyani, T.N., Afifah, D.N., Noer, E.R., Rahfiludin, M.Z. & Mahati, E. (2022) Sorbet Made from Moringa Leaves and Red Guava as an Alternative for the Management of Iron Deficiency Anemia in Adolescent Girls. *Journal of Applied Food Technology*, 9 (2), pp.41-46.
- Aryanti, N. & Abidin, K.Y. (2015) Ekstraksi Glukomanan dari Porang Lokal (*Amorphophallus oncophyllus* dan *Amorphophallus muerelli* blume). *Metana*, 11 (01).
- Astuti, S. D. & Agustia, F. C. (2011) Formulation and Characterization of Functional Jelly Drink as Source of Dietary Fiber and Vitamin C Consisting of Kappa-Carrageenan, Konjac glucomannan Fibre and Hibiscus sabdariffa, Linn Extract. *Jurnal Penelitian Sains dan Teknologi*, 1(1), pp.1-13.
- Au-Yeung, F., Jovanovski, E., Jenkins, A.L., Zurbau, A., Ho, H.V.T. & Vuksan, V. (2017) The Effects of Gelled Konjac Glucomannan Fibre on Appetite and Energy Intake in Healthy Individuals: A Randomised Cross-Over Trial. *British Journal of Nutrition*, 119 (1), pp.109-116.

- Badan Pengawas Obat dan Makanan Republik Indonesia (BPOM RI). (2019) Peraturan Badan Pengawas Obat dan Makanan No. 34 Tahun 2019 tentang Kategori Pangan: Badan Pengawas Obat dan Makanan Republik Indonesia
- Badan Standarisasi Nasional. (2006). Standar Nasional Indonesia-SNI 01-2346-2006: Petunjuk Pengujian Organoleptik dan atau Sensori.
- Badan Standarisasi Nasional. (2020) Standar Nasional Indonesia-SNI 8897:2020: Minuman Jeli.
- Berry E, P. (2008) Brassicales | Plant order [Internet]. Available from: <https://www.britannica.com/plant/Brassicales/Caricaceae-and-Moringaceae>.
- Chiş, A., Noubissi, P.A., Pop, O.L., Mureşan, C.I., Fokam Tagne, M.A., Kamgang, R., Fodor, A., Sitar-Tăut, A.V., Cozma, A., Orăşan, O.H., Hegheş, S.C., Vulturar, R. & Suharoschi, R. (2023) Bioactive Compounds in Moringa oleifera: Mechanisms of Action, Focus on Their Anti-Inflammatory Properties. *Plants* 2024, Vol. 13, Page 20, 13 (1), p.20.
- Danalakoti, K., Avinash, H.A. & Dubey, N. (2023). Konjac Glucomannan: Extraction, Structural Properties, and its Applications. In *Natural Gums* (pp. 339-346). Elsevier.
- Dhea, A., Trisnawati, C.Y. & Srianta, I. (2025) Effect of Konjac Concentration on Physicochemical and Sensory Properties of Snake Fruit Jelly Drink. *Letters in Food Research*, 1 (2).
- Dipahayu, D. & Kusumo, G.G. (2020) Optimasi Ekstraksi Konjac Glukomanan dari Umbi Porang (*Amorphophallus Muelleri* Blume) dengan Variasi Perbandingan Serbuk Umbi Porang: Aquadest (Pelarut) dan Suhu. *Prosiding Snitt POLTEKBA*, 4, pp.466-469.
- Drake, M.A., Watson, M.E. & Liu, Y. (2023) Sensory Analysis and Consumer Preference: Best Practices. *Annual Review of Food Science and Technology*, 14(1), pp.427-448.
- EFSA (European Food Safety Authority). (2017). Re-Evaluation of Konjac Gum (E425i) and Konjac Glucomannan (E425ii) as Food Additives. *EFSA Journal* 15(3):4864.
- Enkhmaa, B., Surampudi, P., Anurad, E. & Berglund, L. (2018) Lifestyle Changes: Effect of Diet, Exercise, Functional Food, and Obesity Treatment on Lipids and Lipoproteins [Internet]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK326737/> [Accessed 21 July 2025]
- Fateha, N., Ulya, N., Asmanah, N. & Agusman, N. (2021) Comparison of Gel Preparation Methods on Gel Strength Measurement of Carrageenan. *IOP Conference Series Earth and Environmental Science*, 715 (1), p.012055.
- Fiorentini, M., Kinchla, A.J. & Nolden, A.A. (2020) Role of Sensory Evaluation in Consumer Acceptance of Plant-Based Meat Analogs and Meat Extenders: A Scoping review. *Foods*, 9 (9), p.1334.
- Fu, L., Zhang, G., Qian, S., Zhang, Q. & Tan, M. (2022) Associations Between Dietary Fiber Intake and Cardiovascular Risk Factors: An Umbrella Review of Meta-Analyses of Randomized Controlled Trials. *Frontiers in Nutrition*, 9
- González-Burgos, E., Ureña-Vacas, I., Sánchez, M. & Gómez-Serranillos, M.P. (2021) Nutritional Value of Moringa oleifera Lam. Leaf Powder Extracts and Their Neuroprotective Effects via Antioxidative and Mitochondrial Regulation. *Nutrients*, 13 (7), p.2203.
- Gurusamy, K., Santhi, V.P., Indhumathi, K. & Parthiban, S. (2020) Study on Proximate and Nutritional Parameters of Guava (*Psidium Guajava* L.)

- Varieties Grown in Sodic Soil. *Journal of Pharmacognosy and Phytochemistry*, 9 (4), pp.3020-3023.
- Hadi, A.S. (2023) Potensi Buah Jambu Biji Merah (*Psidium guajava* L.) dalam Meningkatkan Kadar Hemoglobin [Internet]. Available at: <https://jurnal.uns.ac.id/prosbi/article/view/82531>.
- Han, Y., Jang, K., Kim, U., Huang, X. & Kim, M. (2023) The Possible Effect of Dietary Fiber Intake on The Metabolic Patterns of Dyslipidemia Subjects: Cross-Sectional Research Using Nontargeted Metabolomics. *Journal of Nutrition*, 153 (9), pp.2552-2560.
- Hariani. (2022). Daya Terima Cookies Daun Katuk (*Sauropus androgynus*) sebagai Makanan Tambahan Ibu Menyusui. Universitas Hasanuddin.
- Hidayati, R. (2024) Kandungan Gula dan Vitamin C pada Minuman Ready to Drink dengan Klaim Vitamin C. *Jurnal Mutu Pangan: Indonesian Journal of Food Quality*, 11(1), pp.52-62.
- Hosiana, A.M., Pinatih, G.N.I. and Laksemi, D.A.A.S., 2023. Beneficial Health Effects of Porang (*Amorphophallus Muellieri*): A Review. *Indonesia Journal of Biomedical Science*, 17(2), pp.235-238.
- Ingredients Solutions, Inc. 2020. *SI-100 Product Data Sheet* [pdf]. Ingredients Solutions, Inc. Available from: https://ingredi.com/content/pdfs/Carrageenan_SI-100_PDS.pdf?srsId=AfmBOorQiilmf61Qd0nKcHYtVzfdyhza-R5cbLws6TsJXEvmup8z4UCj [Accessed 13 October 2025]
- Islam, Z., Islam, S.M.R., Hossen, F., Mahtab-Ul-Islam, K., Hasan, Md.R. & Karim, R. (2021) Moringa oleifera is a Prominent Source of Nutrients with Potential Health Benefits. *International Journal of Food Science*, 2021, pp.1-11.
- Jain, A., Sarsaiya, S., Gong, Q., Wu, Q. & Shi, J. (2025) Amorphophallus Konjac: Traditional Uses, Bioactive Potential, and Emerging Health Applications. *Frontiers in Plant Science*, 16.
- Jariyah, N., Rosida, N., Defri, I. & Wardani, P.E.K. (2022) The Physicochemical Properties of the Jelly Drink Produced by Mixing Pedada (*Sonneratia caseolaris*) and Young Coconut Juices with Carrageenan. *MATEC Web of Conferences*, 372, p.02006.
- Jian, X., Jian, S. & Deng, B. (2024) Konjac Glucomannan: A Functional Food Additive for Preventing Metabolic Syndrome. *Journal of Functional Foods*, 115, p.106108.
- Karmila, M., Pratiwi, I.D.P.K. & Widarta, I.W.R. (2023) Pengaruh Konsentrasi Glukomanan (*Amorphophallus Konjac*) terhadap Karakteristik Jelly Drink Wedang Jahe (*Zingiber Officinale*). *Jurnal Ilmu Dan Teknologi Pangan (ITEPA)*, 12 (4), p.871.
- Kementerian Kesehatan RI. (2018) Tabel Komposisi Pangan Indonesia 2017.
- Kumar, M., Tomar, M., Amarowicz, R., Saurabh, V., Nair, M.S., Maheshwari, C., Sasi, M., Prajapati, U., Hasan, M., Singh, S., Changan, S., Prajapat, R.K., Berwal, M.K. & Satankar, V. (2021) Guava (*Psidium guajava* L.) Leaves: Nutritional Composition, Phytochemical Profile, and Health-Promoting Bioactivities. *Foods*, 10 (4), p.752.
- Kusumo, G.G. (2021) Conject Glucomannan Flour Extraction from Porang Tube (*Amorphophallus muellieri* Blume) with Differents Simplicia- Solvent Ratio (Subject were obtained from the Klagon Village of Saradan District). *Journal Pharmasci (Journal of Pharmacy and Science)*, 6 (2), pp.119-122.

- Lewerissa, K. B., Palimbong, S., & Lestari, D. N. D. (2022). Pengaruh Penambahan Tepung Porang (*Amorphophallus oncophyllus*) terhadap Sifat Fisikokimia Selai Pepaya (*Carica papaya* L.). *J. Sains dan Teknologi Pangan*, 7(6), 5660-5669.
- Listin, F.I., Saati, E.A. & Anggriani, R. (2019) Kajian Mutu Selai Lembaran Jambu Biji (*Psidium guajava*) Akibat Konsentrasi Ekstrak Antosianin Bunga Mawar (*Rosa* sp) dan Jenis Agen Pembentuk Gel. *Food Technology and Halal Science Journal*, 2 (1), p.81.
- Lopez-Toledano, A., Moyano, L., Arroyo-López, F.N., Martinez-Merina, P., Bohoyo-Gil, D., Romero-Gil, V., Martin-Arranz, V. & Varo, M.A. (2024) The Development of Fruit and Vegetable Probiotic Beverages Using *Lactiplantibacillus pentosus* LPG1 from Table Olives. *Applied Sciences*, 14 (24), p.11514.
- Mamuaja, C. F. (2016). Pengawasan Mutu dan Keamanan Pangan. UNSRAT Press.
- Marini, S.M., Desniar, D. & Santoso, J. (2016). Characterization of Probiotic Jelly Drinks with Addition of *Lactobacillus plantarum* (SK5) from Bekasam during Storage. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 19(3), pp.288-298.
- Masitlha, E.P., Seifu, E. & Teketay, D. (2024) Nutritional Composition and Mineral Profile of Leaves of *Moringa oleifera* Provenances Grown in Gaborone, Botswana. *Food Production Processing and Nutrition*, 6 (1).
- Matsufuji, Y., Ueji, K. & Yamamoto, T. (2023) Predicting Perceived Hedonic Ratings through Facial Expressions of Different Drinks. *Foods*, 12 (18), p.3490.
- Mawarno, B. A. S. & Lewerissa, K. B. (2022) Kajian Proporsi Air Kelapa-Sari Daun Kelor (*Moringa oleifera*) dan Konjac Powder Terhadap Kualitas Fisikokimia dan Sensoris Jelly Drink Kelor. *Journal of Food and Culinary*, pp.58-65.
- Menichetti, F., Berteotti, C., Schirinzi, V., Poli, C., Arrighi, R. & Leone, A. (2025) *Moringa oleifera* and Blood Pressure: Evidence and Potential Mechanisms. *Nutrients*, 17 (7), p.1258.
- Mensah, R.T., Eklou-Lawson, M., Gambogou, B., Kangni-Dossou, M. & Ameyapoh, Y. (2025) Acceptability of Optimized Fresh *Moringa oleifera* and Soymilk Beverage. *CyTA - Journal of Food*, 23 (1).
- Mihafu, F.D., Issa, J.Y. & Kamiyango, M.W. (2020) Implication of Sensory Evaluation and Quality Assessment in Food Product Development: A Review. *Current Research in Nutrition and Food Science*, 8 (3), pp.690-702.
- Milviniva, L.R. & Widhi, A.S. (2023) Pengaruh Jus Jambu Biji Merah (*Psidium Guajava* Linn) terhadap Kadar Glukosa Darah. *Pontianak Nutrition Journal* (PNJ), 6 (2).
- Mozos, I., Stoian, D., Caraba, A., Malainer, C., Horbańczuk, J.O. & Atanasov, A.G. (2018) Lycopene and Vascular Health. *Frontiers in Pharmacology*, 9. Available from: <<https://pmc.ncbi.nlm.nih.gov/articles/PMC5974099/>>.
- Mthiyane, F.T., Dlodla, P.V., Ziqubu, K., Mthembu, S.X.H., Muvhulawa, N., Hlengwa, N., Nkambule, B.B. & Mazibuko-Mbeje, S.E. (2022) A Review on the Antidiabetic Properties of *Moringa oleifera* Extracts: Focusing on Oxidative Stress and Inflammation as Main Therapeutic Targets. *Frontiers in Pharmacology*, 13.
- Musazadeh, V., Rostami, R.Y., Moridpour, A.H., Hosseini, Z.B., Nikpayam, O., Falahatzadeh, M. & Faghfour, A.H. (2024) The Effect of Glucomannan Supplementation on Lipid Profile in Adults: A Grade-Assessed Systematic

- Review and Meta-Analysis. *BMC Cardiovascular Disorders*, 24 (1). Available from: <<https://doi.org/10.1186/s12872-024-04223-0>>.
- Naseer, S., Hussain, S., Naeem, N., Pervaiz, M. & Rahman, M. (2018) The Phytochemistry and Medicinal Value of Psidium Guajava (Guava). *Clinical Phytoscience*, 4 (1).
- Nurjanah, N., Hidayati, L., Kiranawati, T.M., Fatimah, N. & Susanto, H. (2021) The Characteristics and Organoleptic Qualities of Moringa Oleifera Jelly Candy Post Kelor Leave Puree Supplementation. *AIP Conference Proceedings*, 2353, p.030097.
- Nurlela, N., Ariesta, N., Laksono, D.S., Santosa, E. & Muhandri, T. (2021) Characterization of Glucomannan Extracted from Fresh Porang Tubers Using Ethanol Technical Grade. *Molekul*, 16 (1), p.1. Available from: <<https://doi.org/10.20884/1.jm.2021.16.1.632>>.
- Nurlela, N., Ariesta, N., Santosa, E. & Mulandri, T. (2022) Physicochemical Properties of Glucomannan Isolated From Fresh Tubers of Amorphophallus Muelleri Blume by a Multilevel Extraction Method. *Food Research*, 6 (4), pp.345-353.
- Panou, A. and Karabagias, I.K., 2025. Composition, Properties, and Beneficial Effects of Functional Beverages on Human Health. *Beverages*, 11(2), p.40.
- Patel, N., Mittal, N., Wilkinson, M.J. & Taub, P.R. (2024) Unique Features of Dyslipidemia in Women Across a Lifetime And a Tailored Approach to Management. *American Journal of Preventive Cardiology*, 18, p.100666.
- Patil, S.V., Mohite, B.V., Marathe, K.R., Salunkhe, N.S., Marathe, V. & Patil, V.S. (2022) Moringa Tree, Gift of Nature: A Review on Nutritional and Industrial Potential. *Current Pharmacology Reports*, 8 (4), pp.262-280.
- Perkumpulan Endokrinologi Indonesia. (2021) Panduan Pengelolaan Dislipidemia di Indonesia. PB. PERKENI.
- Purba, C., Sinaga, H. & Nurminah, M. (2018) Effect of Ratio of Moringa Leaves Juice with Pineapple Juice and Arabic Gum on the Quality of Jelly Candy. *Indonesian Journal of Agricultural Research*, 1 (2), pp.162-171.
- Putri, S., Marliyati, S.A., Setiawan, B. & Rimbawan, R. (2024) The Physical Characteristics of Jelly Drink Bay Leaf Water Extract with Guava Juice Combination. *IOP Conference Series: Earth and Environmental Science*, 1377 (1), p.012042.
- Putri, S., Marliyati, S.A., Setiawan, B. & Rimbawan, R. (2023) Development of Jelly Drink Bay Leaf Water Extract with Guava Juice Combination. *International Journal of Chemical and Biochemical Sciences*, 24 (5), pp.199-205.
- Rahmawati, P.S. & Adi, A.C. (2017) Daya Terima dan Zat Gizi Permen Jeli dengan Penambahan Bubuk Daun Kelor (*Moringa Oleifera*). *Media Gizi Indonesia*, 11 (1), p.86.
- Saha, D. & Bhattacharya, S. (2010) Hydrocolloids as Thickening and Gelling Agents in Food: A Critical Review. *Journal of Food Science and Technology*, 47 (6), pp.587-597.
- Shukla, S., Kushwaha, R., Singh, M., Saroj, R., Puranik, V., Agarwal, R. & Kaur, D. (2021) Quantification of Bioactive Compounds in Guava at Different Ripening Stages. *Food Research*, 5 (3), pp.183-189.
- Sun, Y., Xu, X., Zhang, Q., Zhang, D., Xie, X., Zhou, H., Wu, Z., Liu, R. & Pang, J. (2023) Review of Konjac Glucomannan Structure, Properties, Gelation Mechanism, and Application in Medical Biology. *Polymers*, 15 (8), p.1852.

- Sun, Y., Xu, X., Wu, Z., Zhou, H., Xie, X., Zhang, Q., Liu, R., & Pang, J. (2023). Structure, Merits, Gel Formation, Gel Preparation and Functions of Konjac Glucomannan and Its Application in Aquatic Food Preservation. *Foods*, 12(6), 1215.
- Talpur, M.T.H., Katbar, M.T., Shabir, Khalil Ullah, Shabir, Kashif Ullah, Yaqoob, U., Jabeen, S. & Zia, D. (2020) Prevalence of Dyslipidemia in Young Adults. *The Professional Medical Journal*, 27 (05), pp.987-993
- Trigo, C., Castelló, M.L. & Ortolá, M.D. (2022) Potentiality of Moringa oleifera as a Nutritive Ingredient in Different Food Matrices. *Plant Foods for Human Nutrition*, 78 (1), pp.25–37.
- Ueno, H., Haraguchi, N., Azuma, M., Shiiya, T., Noda, T., Ebihara, E., Uehira, Y., Uchida, T., Sasaba, K., Nakamura, M., Uchimura, N., Kita, E., Umemura, A., Nobe, T., Sumoto, E., Yano, Y. & Nakazato, M. (2021) Active Consumption of Konjac and Konjac Products Improves Blood Glucose Control in Patients with Type 2 Diabetes Mellitus. *Journal of the American Nutrition Association*, 42 (2), pp.123-129.
- United States Department of Agriculture, National Organic Program & Group, S. (2020) *Technical Evaluation Report Konjac Flour Handling/Processing*. <https://www.ams.usda.gov/sites/default/files/media/CO23KonjacFlour.pdf>
- Vergara-Jimenez, M., Almatrafi, M. & Fernandez, M. (2017) Bioactive Components in Moringa Oleifera Leaves Protect against Chronic Disease. *Antioxidants*, 6 (4), p.91.
- Wickramasinghe, Y.W.H., Wickramasinghe, I. & Wijesekara, I. (2020) Effect of Steam Blanching, Dehydration Temperature & Time, on the Sensory and Nutritional Properties of a Herbal Tea Developed from Moringa oleifera Leaves. *International Journal of Food Science*, 2020, pp.1-11.
- World Health Organization. (2003). Diet, Nutrition and the Prevention of Chronic Diseases.
- Wulandari, F. K., Setiani, B. E., & Susanti, S. (2016). Analisis Kandungan Gizi, Nilai Energi, dan Uji Organoleptik Cookies Tepung Beras dengan Substitusi Tepung Sukun. *Jurnal Aplikasi Teknologi Pangan*, 5(4), 107-112.
- Xu, C., Yu, C., Yang, S., Deng, L., Zhang, C., Xiang, J. & Shang, L. (2023) Effects of Physical Properties of Konjac Glucomannan on Appetite Response of Rats. *Foods*, 12 (4), p.743.
- Yudhistira, B., Hamidah, S.R. & Punthi, F. (2024) Physical, Chemical, and Sensory Characteristics of Star Fruit (*Averrhoa carambola* L.) Jelly Candy with Various Concentrations of Carrageenan-Konjac and Carrageenan-Pectin. *AgriHealth Journal of Agri-food Nutrition and Public Health*, 5 (1), p.76.
- Zhang, W., Ren, X., Zhang, L., & Chen, J. (2022). Preparation and Performance of Thickened Liquids for Patients with Konjac Glucomannan-Mediated Dysphagia. *Molecules*, 27(7), 2194
- Zuhdiyah, S., Alsuhendra, & Mariani. (2024). Pengaruh Penggunaan Ekstrak Jambu Biji Merah (*Psidium Guajava* L.) terhadap Sifat Kimia dan Organoleptik Minuman Cendol. *Jurnal Pendidikan Seroja*, 3(1), 174-183.