

## DAFTAR PUSTAKA

- Ahmadi, K., Afrila, A., & Adhi, W. I. (2007). Pengaruh Jenis Daging Dan Tingkat Penambahan Tepung Tapioka Yang Berbeda Terhadap Kualitas Bakso. *Buana Sains*, 7(2), 139–144.
- Ai, Y., & Han, P. (2022). Neurocognitive mechanisms of odor-induced taste enhancement: A systematic review. *International Journal of Gastronomy and Food Science*, 28, 100535. <https://doi.org/10.1016/J.IJGFS.2022.100535>.
- Akintade, A. O., Awolu, O. O., & Olawumi Ifesan, B. (2019). Nutritional Evaluation of Fermented, Germinated, and Roasted Pumpkin (*Cucurbita Maxima*) Seed Flour. *Acta Universitatis Cibiniensis Series E: FOOD TECHNOLOGY*, 179(2), 179–186. <https://doi.org/10.2478/aucft-2019-0021>.
- Amal, B. I., Hermanianto, J., & Hunaefi, D. (2023). Optimasi Formula Pempek dengan Penambahan Pasta Isolat Protein Kedelai Berdasarkan Preferensi Konsumen. *Jurnal Teknologi Dan Industri Pangan*, 34(1), 98–108. <https://doi.org/10.6066/jtip.2023.34.1.98>.
- Amalina, A. N., Lejap, T. Y. T., & Luthfiah, U. (2023). Pengaruh Lama Waktu Penggilingan Beras dan Jenis Ayakan terhadap Nilai Rendemen Tepung Beras. *Journal of Innovative Food Technology and Agricultural Product*, 01(01), 14–17. <https://doi.org/10.31316/jitap.vi.5767>.
- AOAC. (2005). *Official Method of Analysis of Association of Official Analytical Chemist* (18th ed.). Association of Official Analytical Chemist Inc.
- AOAC. (2012). *Official Method of Analysis of Association of Official Analytical Chemist* (19th ed.). Association of Official Analytical Chemist Inc.
- Asngad, A., Agustina, L., F., S. N., W, A. S., & J, W. K. (2021). Kualitas Penyedap Rasa Alami Dalam Bentuk Cair Dari Kombinasi Berbagai Jamur Edibel Dengan Penambahan Variasi Glukosa. *Bioeksperimen: Jurnal Penelitian Biologi*, 7(1), 34–41. <https://doi.org/10.23917/bioeksperimen.v7i1.13951>.
- Auffret, V. (2022). Dyslipidemia is a Primary Cause of Cardiovascular Disease. *Journal of Interventional and General Cardiology*, 6(2). <https://doi.org/10.37421/2684-4591.2022.6.156>.
- Aziza, T., Affandi, D. R., & Manuhara, G. J. (2015). Bakso Ikan Tongkol (*Euthynnus affinis*) dengan Filler Tepung Gembili Sebagai Fortifikasi Inulin. *Jurnal Teknologi Hasil Pertanian*, 8(2), 77–83.
- Badan Standardisasi Nasional. (2006). *Standar Nasional Indonesia Petunjuk*

*pengujian organoleptik dan atau sensori.*

- Bakhsh, A., Lee, S. J., Lee, E. Y., Hwang, Y. H., & Joo, S. T. (2021). Evaluation of Rheological and Sensory Characteristics of Plant-Based Meat Analog with Comparison to Beef and Pork. *Food Science of Animal Resources*, 41(6), 983–996. <https://doi.org/10.5851/KOSFA.2021.E50>.
- Bambona, N. R. B., Haniarti, & Nurlinda. (2022). Hubungan Pola Makan terhadap Kadar Kolesterol Darah Total pada Dosen Universitas Muhammadiyah Parepare. *Indonesian Health Journal*, 1(2), 74–81. <https://doi.org/10.58344/ihj.v1i2.20>.
- Banjarnahor, S., Rodionov, R. N., König, J., & Maas, R. (2020). Transport of L-Arginine Related Cardiovascular Risk Markers. *Journal of Clinical Medicine*, 9(12), 3975. <https://doi.org/10.3390/JCM9123975>.
- Bintoro, V. P., Putra, A. Y. R. I., & Susanti, S. (2023). Karakteristik kimia, susut masak, dan tingkat kesukaan daging analog berbasis jamur shitake dengan tepung tempe. *Agrointek : Jurnal Teknologi Industri Pertanian*, 17(3), 508–516. <https://doi.org/10.21107/AGROINTEK.V17I3.15255>.
- BPOM. (2019). *Peraturean Badan Pengawas Obat dan Makanan Nomor 22 Tahun 2019 Tentang Informasi Nilai Gizi pada Label Pangan Olahan*.
- BPOM. (2022). *Peraturan Badan Pengawas Obat dan Makanan Nomor 1 Tahun 2022 Tentang Pengawasan Klain pada Label dan Iklan Pangan Olah*.
- Bunyani, N. A., Roman, M., & Naisanu, J. (2020). Utilization of Forest Plants as Local Food Sources for the Oben Village Community, Nekamese District, Kupang Regency. *Jurnal Biologi Tropis*, 20(3), 347–354. <https://doi.org/http://dx.doi.org/10.29303/jbt.v20i3.2001>.
- Chau, C. F., Cheung, K., & Wong, Y. S. (1997). Functional Properties of Protein Concentrates from Three Chinese Indigenous Legume Seeds. *Journal of Agricultural and Food Chemistry*, 45(11), 2500–2503. <https://doi.org/doi:10.1021/jf970047c>.
- Chikezie, P., Ibegbulem, C. O., Monago, S., NkemMbagwu, F., & Nwachukwu, C. U. (2016). Amino Acid Profiles, Total Nitrogen Contents, and Computed-Protein Efficiency Ratios of Manihot esculenta Root and Discorea rotundata Tuber Peels. *Journal of Food Processing*, 5(8). <https://doi.org/10.1155/2016/1697468>.
- Cho, Y., Bae, J., Lee, J., & Choi, M. J. (2023). Storage Stability of Meat Analogs Supplemented with Vegetable Oils. *Foods*, 12(19). <https://doi.org/10.3390/FOODS12193586>.
- Choi, S. (2013). Sensory Evaluation. In S. Edelstein (Ed.), *Food Science: An*

- Ecological Approach* (pp. 83–112). Jones and Bartlett Learning LLC. <https://doi.org/10.1016/B0-12-369397-7/00561-6>.
- Cicero, A. F. G., Fogacci, F., Veronesi, M., Strocchi, E., Grandi, E., Rizzoli, E., Poli, A., Marangoni, F., & Borghi, C. (2020). A Randomized Placebo-Controlled Clinical Trial to Evaluate the Medium-Term Effects of Oat Fibers on Human Health: The Beta-Glucan Effects on Lipid Profile, Glycemia and inTestinal Health (BELT) Study. *Nutrients* 2020, Vol. 12, Page 686, 12(3), 686. <https://doi.org/10.3390/NU12030686>.
- Damayanty, A. E., Suromo, L. B., & Kisdjamiatun, R. (2016). Pengaruh pemberian ekstrak jamur merang (*volvariella volvacea*) terhadap kadar kolesterol total, enzim lplla2 dan mda darah. *Jurnal Gizi Indonesia (The Indonesian Journal of Nutrition)*, 4(1), 48–54. <https://doi.org/10.14710/jgi.4.1.48-54>.
- Danuyanti, I. G. A. N., & Fahrurrozi, Z. S. A. (2022). Dietary Fiber and Dyslipidemia. In V. Y. Waisundara (Ed.), *Dietary Fibers*. IntechOpen. <https://doi.org/10.5772/INTECHOPEN.98838>.
- de Angelis, D., Kaleda, A., Pasqualone, A., Vaikma, H., Tamm, M., Tammik, M. L., Squeo, G., & Summo, C. (2020). Physicochemical and Sensorial Evaluation of Meat Analogues Produced from Dry-Fractionated Pea and Oat Proteins. *Foods*, 9(12), 1754. <https://doi.org/10.3390/FOODS9121754>.
- de Farias, L. M., Brito, A. K. da S., Oliveira, A. S. da S. S., Lima, G. de M., Rodrigues, L. A. R. L., de Carvalho, V. B. L., Cunha, F. V. M., Pereira, C. F. de C., Rizzo, M. dos S., Nunes, P. H. M., Frota, K. de M. G., de Lima, A., dos Santos, A. C. A., Alberto, N. S. M. da C., Arcanjo, D. D. R., & Martins, M. do C. de C. e. (2022). Hypotriglyceridemic and hepatoprotective effect of pumpkin (*Cucurbita moschata*) seed flour in an experimental model of dyslipidemia. *South African Journal of Botany*, 151, 484–492. <https://doi.org/10.1016/J.SAJB.2022.05.008>.
- De Marchi, M., Costa, A., Pozza, M., Goi, A., & Manuelian, C. L. (2021). Detailed characterization of plant-based burgers. *Scientific Reports*, 11(1), 1–9. <https://doi.org/10.1038/s41598-021-81684-9>.
- Doss, A., Tresina, & Mohan, V. R. (2019). Amino acid composition of wild yam (*Dioscorea* spp.). *Journal Homepage*, 3(5), 617–621. [https://doi.org/10.26656/fr.2017.3\(5\).119](https://doi.org/10.26656/fr.2017.3(5).119).
- Dotto, J. M., & Chacha, J. S. (2020). The potential of pumpkin seeds as a functional food ingredient: A review. *Scientific African*, 10. <https://doi.org/10.1016/J.SCIAF.2020.E00575>.
- Ekeledo, E., Latif, S., Abass, A., & Muller, J. (2020). Antioxidant potential of extracts from peels and stems of yellow-fleshed and white cassava varieties. *International Journal of Food Science & Technology*, 58(3).

<https://doi.org/10.1111/ijfs.14814>.

- Enani, S., Bahijri, S., Malibary, M., Jambi, H., Eldakhakhny, B., Al-Ahmadi, J., Al Raddadi, R., Ajabnoor, G., Boraie, A., & Tuomilehto, J. (2020). The Association between Dyslipidemia, Dietary Habits and Other Lifestyle Indicators among Non-Diabetic Attendees of Primary Health Care Centers in Jeddah, Saudi Arabia. *Nutrients*, *12*(8), 1–22. <https://doi.org/10.3390/NU12082441>.
- Fadhila, R., & Darmawati, S. (2017). Profil Protein Daging Kambing, Kerbau Dan Sapi Yang Direndam Larutan Jahe Berbasis Sds-Page. *Prosiding Seminar Nasional & Internasional*, 25–33.
- Fausiah, A., & Al Buqhori, I. P. (2019). Karakteristik Kualitas Kimia Daging Sapi Bali Di Pasar Tradisional. *AGROVITAL : Jurnal Ilmu Pertanian*, *3*(1), 8. <https://doi.org/10.35329/agrovital.v3i1.213>.
- Fauzi, M., Herlina, H., & Sholeha, I. M. (2023). Karakteristik Fisik dan Fungsional Tepung Labu Kuning LA3 Desa Tegalrejo, Kecamatan Tegalsari, Kabupaten Banyuwangi. *AGRITEKNO: Jurnal Teknologi Pertanian*, *12*(2), 106–114. <https://doi.org/10.30598/jagritekno.2023.12.2.106>.
- Fresán, U., Mejia, M. A., Craig, W. J., Jaceldo-Siegl, K., & Sabaté, J. (2019). Meat analogs from different protein sources: A comparison of their sustainability and nutritional content. *Sustainability*, *11*(12). <https://doi.org/10.3390/SU11123231>.
- Frieden, T. R., Cobb, L. K., Leidig, R. C., Mehta, S., & Kass, D. (2020). Reducing Premature Mortality from Cardiovascular and Other Non-Communicable Diseases by One Third: Achieving Sustainable Development Goal Indicator 3.4.1. *Global Heart*, *15*(1), 50. <https://doi.org/10.5334/GH.531>.
- Fu, J., Zheng, Y., Gao, Y., & Xu, W. (2022). Dietary Fiber Intake and Gut Microbiota in Human Health. *Microorganisms*, *10*(12). <https://doi.org/10.3390/MICROORGANISMS10122507>.
- Gao, D., Helikh, A. O., Filon, A. M., Duan, Z., & Vasylenko, O. O. (2022). Effect of pH-Shifting Treatment on The Gel Properties of Pumpkin Seed Protein Isolate. *Journal of Chemistry and Technologies*, *30*(2), 198–204. <https://doi.org/10.15421/jchemtech.v30i2.241145>.
- Geiker, N. R. W., Bertram, H. C., Mejbom, H., Dragsted, L. O., Kristensen, L., Carrascal, J. R., Bügel, S., & Astrup, A. (2021). Meat and human health—current knowledge and research gaps. *Foods*, *10*(7), 1–17. <https://doi.org/10.3390/foods10071556>.
- Guasch-Ferré, M., Satija, A., Blondin, S. A., Janiszewski, M., Emlen, E., O'Connor, L. E., Campbell, W. W., Hu, F. B., Willett, W. C., & Stampfer, M. J. (2019).

- Meta-Analysis of Randomized Controlled Trials of Red Meat Consumption in Comparison With Various Comparison Diets on Cardiovascular Risk Factors. *Circulation*, 139(15), 1828–1845. <https://doi.org/10.1161/CIRCULATIONAHA.118.035225>.
- Gusnadi, D., Taufik, R., & Baharta, E. (2021). Uji Organoleptik dan Daya Terima pada Produk Mousse Berbasis Tapai Singkong Sebagai Komoditi UMKM di Kabupaten Bandung. *Jurnal Inovasi Penelitian*, 1(12), 2883–2888. <https://doi.org/10.47492/JIP.V1I12.606>.
- Gyawali, R., & Ibrahim, S. A. (2016). Effects of hydrocolloids and processing conditions on acid whey production with reference to Greek yogurt. *Trends in Food Science and Technology*, 56, 61–76. <https://doi.org/10.1016/j.tifs.2016.07.013>.
- Hadi, J., & Brightwell, G. (2021). Safety of Alternative Proteins: Technological, Environmental and Regulatory Aspects of Cultured Meat, Plant-Based Meat, Insect Protein and Single-Cell Protein. *Foods*, 10(6), 1226. <https://doi.org/10.3390/FOODS10061226>.
- Halimah, R. N., & Rahmawati, F. (2021). Substitusi Puree Labu Kuning Terhadap Donat Untuk Meningkatkan Konsumsi Labu Kuning. *Prosiding Pendidikan Teknik Boga Busana*, 16(1), 1–7.
- Han, J., Zhang, R., Muheyati, D., Lv, M. X., Aikebaier, W., & Peng, B. X. (2021). The Effect of Chickpea Dietary Fiber on Lipid Metabolism and Gut Microbiota in High-Fat Diet-Induced Hyperlipidemia in Rats. *Journal of Medicinal Food*, 24(2), 124–134. <https://doi.org/10.1089/JMF.2020.4800>.
- 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), 2552–2560. <https://doi.org/10.1016/J.TJNUT.2023.07.014>.
- Harris, G. K., & Marshall, M. R. (2017). Ash Analysis. In S. Nielsen (Ed.), *Food Analysis* (pp. 287–297). Springer. [https://doi.org/https://doi.org/10.1007/978-3-319-45776-5\\_16](https://doi.org/https://doi.org/10.1007/978-3-319-45776-5_16).
- Herdiana, N., Susilawati, S., Koesoemawardani, D., & Rahayu, E. (2023). Penambahan Tepung Ubi Jalar Ungu (*Ipomea batatas* L) dan Tapioka Sebagai Bahan Pengisi Pembentuk Tekstur Nugget Ikan Lele. *AgriTECH*, 43(2), 127–133. <https://doi.org/10.22146/AGRITECH.69714>.
- Herlambang, F., Latriyanto, A., & Ahmad, A. (2019). Karakteristik Fisik dan Uji Organoleptik Produk Bakso Tepung Singkong sebagai Substitusi Tepung Tapioka. *Jurnal Keteknik Pertanian Tropis Dan Biosistem*, 7(3), 253–258. <https://doi.org/10.21776/ub.jkptb.2019.007.03.05>.

- Herlina, Harijono, Subagio, A., & Estiasih, T. (2013). Potensi Hipolipidemi Polisakarida Larut Air Umbi Gembili (*Dioscorea esculenta* L.) pada Tikus Hiperlipidemia. *AGRITECH*, 33(1), 8–16.
- Hiel, S., Neyrinck, A. M., Rodriguez, J., Pachikian, B. D., Bouzin, C., Thissen, J. P., Cani, P. D., Bindels, L. B., & Delzenne, N. M. (2018). Inulin Improves Postprandial Hypertriglyceridemia by Modulating Gene Expression in the Small Intestine. *Nutrients*, 10(5). <https://doi.org/10.3390/NU10050532>.
- Huang, M., Mehany, T., Xie, W., Liu, X., Guo, S., & Peng, X. (2022). Use of food carbohydrates towards the innovation of plant-based meat analogs. *Trends in Food Science & Technology*, 129, 155–163. <https://doi.org/10.1016/J.TIFS.2022.09.021>.
- Huang, S., Martinez, M. M., & Bohrer, B. M. (2019). The Compositional and Functional Attributes of Commercial Flours from Tropical Fruits (Breadfruit and Banana). *Foods*, 8(11), 586. <https://doi.org/10.3390/FOODS8110586>.
- Husna, A., Handayani, L., & Syahputra, F. (2020). Pemanfaatan tulang ikan kambing-kambing (*Abalistes stellaris*) sebagai sumber kalsium pada produk tepung tulang ikan. *Acta Aquatica: Aquatic Sciences Journal*, 7(1), 13. <https://doi.org/10.29103/aa.v7i1.1912>.
- Indiarto, R., Nurhadi, B., Subroto, E., Teknologi, J., Pangan, I., Teknologi, F., & Pertanian, I. (2012). Kajian Karakteristik Tekstur (Texture Profil Analysis) dan Organoleptik Daging Ayam Asap Berbasis Teknologi Asap Cair Tempurung Kelapa. *Jurnal Teknologi Hasil Pertanian*, 5(2). <https://doi.org/10.20961/JTHP.V0I0.13562>
- Irawati, A., Warnoto, W., & Kususiah, K. (2016). Pengaruh Pemberian Jamur Tiram Putih (*Pleurotus ostreatus*) terhadap pH, DMA, Susut Masak dan Uji Organoleptik Sosis Daging Ayam Broiler. *Jurnal Sains Peternakan Indonesia*, 10(2), 125–135. <https://doi.org/10.31186/jspi.id.10.2.125-135>.
- Ismail, I., Hwang, Y. H., & Joo, S. T. (2020). Meat analog as future food: a review. *Journal of Animal Science and Technology*, 62(2), 111. <https://doi.org/10.5187/JAST.2020.62.2.111>.
- Iswahyudi, Arindani, S. M., & Muhdar, I. N. (2023). Pemanfaatan Tepung Biji Labu Kuning dalam Pembuatan Pie Susu sebagai Alternatif Camilan Sumber Zink. *Jurnal Teknologi Dan Industri Pertanian Indonesia*, 15(1).
- Janitra, A. A. A., & Dewi, E. N. (2022). Pengaruh Perbandingan Maltodekstrin Terhadap Karakteristik Kaldu Jamur Merang Bubuk. *DISTILAT: Jurnal Teknologi Separasi*, 8(3), 485–492.
- Kamble, C., Chavan, R. R., & Kamble, V. (2021). (PDF) A Review on Amino Acids. *Research & Reviews: A Journal of Drug Design & Discovery*, 8(3), 19–27.

<https://doi.org/10.37591/RRJoDDD>.

- Kemalawaty, M., Anwar, C., & Aprita, I. R. (2019). Kajian Pembuatan Dendeng Ayam Sayat dengan Penambahan Ekstrak Asam. *Jurnal Peternakan Sriwijaya*, 8(1), 1–8.
- Kemenkes RI. (2014). *Peraturan Menteri Kesehatan Republik Indonesia Nomor 41 Tahun 2014 Tentang Pedoman Gizi Seimbang*.
- Kemenkes RI. (2018). *Tabel Komposisi Pangan Indonesia 2017*. Direktorat Jenderal Kesehatan Masyarakat RI.
- Kementerian Kesehatan RI. (2018). *Riset Kesehatan Dasar (Riskesdas) 2018*.
- Khotimah, H., Agustina, R., & Ardana, M. (2018). Pengaruh Lama Penyimpanan Terhadap Aktivitas Antioksidan Ekstrak Daun Miana (*Coleus atropurpureus* L. Benth). *Proceeding of the 8th Mulawarman Pharmaceuticals Conferences*, 20–21.
- Khutami, C., Sumiwi, S. A., Ikram, N. K. K., & Muchtaridi, M. (2022). The Effects of Antioxidants from Natural Products on Obesity, Dyslipidemia, Diabetes and Their Molecular Signaling Mechanism. *International Journal of Molecular Sciences*, 23(4), 2056. <https://doi.org/10.3390/IJMS23042056>.
- Kim, S. A., Joung, H., & Shin, S. (2019). Dietary pattern, dietary total antioxidant capacity, and dyslipidemia in Korean adults. *Nutrition Journal*, 18(1). <https://doi.org/10.1186/S12937-019-0459-X>.
- Kohyama, K. (2020). Food texture-sensory evaluation and instrumental measurement. In *Textural Characteristics of World Foods* (pp. 1–13). Wiley Blackwell. <https://doi.org/10.1002/9781119430902.CH1>.
- Kołodziejczak, K., Onopiuk, A., Szpicer, A., & Poltorak, A. (2021). Meat Analogues in the Perspective of Recent Scientific Research: A Review. *Foods* 2022, Vol. 11, Page 105, 11(1), 105. <https://doi.org/10.3390/FOODS11010105>.
- Kumalasari, I. D., Dinata, G. D. A., & Satar, I. (2022). Evaluation of Sensory and Microbiological Analogue Meat Made of Cashew Fruit and Red Bean Flour. *Jurnal Agroindustri*, 12(1), 1–11. <https://doi.org/10.31186/j.agroindustri.12.1.1-11>.
- Kurniawan, C. W., Atmaka, W., Manuhara, G. J., & Sanjaya, A. P. (2018). Quality characteristic of liquid smoked straw mushroom (*Volvariella volvacea*) ball during storage. *IOP Conference Series: Earth and Environmental Science*, 102(1). <https://doi.org/10.1088/1755-1315/102/1/012094>.
- Kyriakopoulou, K., Keppler, J. K., & van der Goot, A. J. (2021). Functionality of

- Ingredients and Additives in Plant-Based Meat Analogues. *Foods*, *10*(3), 600. <https://doi.org/10.3390/FOODS10030600>.
- Li, P., Hu, C., Li, Y., Ge, L., Wu, G., Lv, B., Jiang, W., & Xi, D. (2021). The cold - resistance mechanism of a mutagenic *Volvariella volvacea* strain VH3 with outstanding traits revealed by transcriptome profiling. *BMC Microbiology*, *21*(1), 1–9. <https://doi.org/10.1186/S12866-021-02396-8/FIGURES/4>.
- Li, X., & Li, J. (2020). The Flavor of Plant-Based Meat Analogues. *Cereal Foods World*, *65*(4). <https://doi.org/10.1094/CFW-65-4-0040>.
- Lindriati, T, Herlina, H., Arbiantara, H., & Asrofi, M. (2020). Optimization of meat analog production from concentrated soy protein and yam (*Xanthosoma sagittifolium*) powder using pasta machine. *Food Research*, *4*(3), 887–895. [https://doi.org/10.26656/fr.2017.4\(3\).357](https://doi.org/10.26656/fr.2017.4(3).357).
- Lindriati, Triana, Herlina, H., & Emania, J. N. (2018). Sifat Fisik Daging Analog Berbahan Dasar Campuran Tepung Porang (*Amorphophallus oncophyllus*) dan Isolat Protein Kedelai. *Jurnal Teknologi Pertanian Andalas*, *22*(2), 175. <https://doi.org/10.25077/JTPA.22.2.175-186.2018>.
- Lindriati, Triana, Nafi, A., & Sari, Z. G. (2019). Optimasi Pembuatan Daging Tiruan Umbi Porang (*Amorphophallus oncophyllus*) dan Isolat Protein Kedelai dengan Metode RSM (Response Surface Methodology). *Jurnal Teknologi Dan Industri Pertanian Indonesia*, *11*(2), 75–83. <https://doi.org/10.17969/jtipi.v11i2.12798>.
- Liu, T., Zhao, D., & Qi, Y. (2022). Global Trends in the Epidemiology and Management of Dyslipidemia. *Journal of Clinical Medicine*, *11*(21). <https://doi.org/10.3390/JCM11216377/S1>.
- Ma, Q., Zhou, X., Sun, Y., Hu, L., Zhu, J., Shao, C., Meng, Q., & Shan, A. (2020). Threonine, but Not Lysine and Methionine, Reduces Fat Accumulation by Regulating Lipid Metabolism in Obese Mice. *Journal of Agricultural and Food Chemistry*, *68*(17), 4876–4883. <https://doi.org/10.1021/acs.jafc.0c01023>.
- Mahmud, S. D., Laparaga, S., & Warastuti, R. A. (2021). Animal and Vegetable Lipid Solution Test in Identifying Fatty Acid Hydrolysis Reactions. *Jurnal Ilmiah Dr Aloei Saboe*, *3*(1), 1–8.
- Maiyena, S., & Mawarnis, E. R. (2022). Kajian Analisis Konsumsi Daging Sapi dan Daging Babi Ditinjau dari Kesehatan. *Jurna Pendidikan Tambusai*, *6*(1), 3131–3136. <https://jptam.org/index.php/jptam/article/view/3359/2858>.
- Majid, A. K., Ahmed, Z., & Khan, R. (2020). Effect of pumpkin seed oil on cholesterol fractions and systolic/diastolic blood pressure. *Food Science and Technology*, *40*(3), 769–777. <https://doi.org/10.1590/FST.03720>.



- Mariod, A. A. (2018). Functional Properties of Gum Arabic. *Gum Arabic: Structure, Properties, Application and Economics*, 283–295. <https://doi.org/10.1016/B978-0-12-812002-6.00024-5>.
- Martemucci, G., Costagliola, C., Mariano, M., D'andrea, L., Napolitano, P., & D'Alessandro, A. G. (2022). Free Radical Properties, Source and Targets, Antioxidant Consumption and Health. *Oxygen*, 2(2), 48–78. <https://doi.org/10.3390/OXYGEN2020006>.
- Masrikhiyah, R., & Fera, M. (2021). Ekstraksi Inulin dari Umbi Gembili (*Discorea esculenta* L) dengan Pelarut Etanol. *Jurnal Pangan Dan Gizi*, 9(2), 156–161.
- Maysaroh, C. (2020). Pengaruh Lama Waktu Pengukusan Terhadap Karakteristik Fisikokimia dan Organoleptik Puree Labu Kuning (*Cucurbita moschata*). *Jurnal Teknologi Pangan Dan Hasil Pertanian*, 18(3), 1–11.
- Medina-Vera, I., Gómez-De-regil, L., Gutiérrez-Solis, A. L., Lugo, R., Guevara-Cruz, M., Pedraza-Chaverri, J., & Avila-Nava, A. (2021). Dietary Strategies by Foods with Antioxidant Effect on Nutritional Management of Dyslipidemias: A Systematic Review. *Antioxidants*, 10(2), 225. <https://doi.org/10.3390/ANTIOX10020225>.
- Mohd Joha, N. S., Misran, A., Mahmud, T. M. M., Abdullah, S., & Mohamad, A. (2021). Physical quality, amino acid contents, and health risk assessment of straw mushroom (*Volvariella volvacea*) at different maturity stages. *International Food Research Journal*, 28(1), 181–188. <https://doi.org/10.47836/IFRJ.28.1.18>.
- Molyneux, P. (2004). The use of the stable free radical diphenylpicryl-hydrazyl (DPPH) for estimating antioxidant activity. *Songklanakarin J. Sci. Technol*, 26(4), 211–219.
- Mouzo, D., Bernal, J., López-Pedrouso, M., Franco, D., & Zapata, C. (2018). Advances in the Biology of Seed and Vegetative Storage Proteins Based on Two-Dimensional Electrophoresis Coupled to Mass Spectrometry. *Molecules: A Journal of Synthetic Chemistry and Natural Product Chemistry*, 23(10). <https://doi.org/10.3390/MOLECULES23102462>.
- Nafi, A., Susanto, T., & Subagio, A. (2006). Pengembangan Tepung Kaya Protein (TKP) dari Koro Komak (*Lablab purpureus* (L) Sweet) dan Koro Kratok (*Phaseolus lunatus*). *Jurnal Teknologi Dan Industri Pangan*, 17(3), 159–165.
- Navarro, D. M. D. L., Abelilla, J. J., & Stein, H. H. (2019). Structures and characteristics of carbohydrates in diets fed to pigs: A review. *Journal of Animal Science and Biotechnology*, 10(1), 1–17. <https://doi.org/10.1186/S40104-019-0345-6/TABLES/4>.

- Nie, Y., & Luo, F. (2021). Dietary Fiber: An Opportunity for a Global Control of Hyperlipidemia. *Oxidative Medicine and Cellular Longevity*, 2021(1), 5542342. <https://doi.org/10.1155/2021/5542342>.
- OECD. (2016). Squashes, pumpkins, zucchinis and gourds (Curcubita species). In *Safety assessment of transgenic organisms*, (Vol. 5).
- Ondikeleuw, M., & Malik, D. A. (2020). Kajian Etnobotani Budidaya Gembili (*Dioscorea* sp.) di Papua. *Prosiding Seminar Nasional Kesiapan Sumber Daya Pertanian Dan Inovasi Spesifik Lokasi Memasuki Era Industri 4.0*, 637–647.
- Popang, E. G., Khotimah, K., Lisnawati, A., & Susanti, T. A. (2016). Analisa Fisik Tepung Jamur Merang pada Tandan Kosong Kelapa Sawit. *Buletin Loupe*, 13(01), 48–54.
- Popoola-Akinola, O. O., Raji, T. J., & Olawoye, B. (2022). Lignocellulose, dietary fibre, inulin and their potential application in food. *Heliyon*, 8(8), e10459. <https://doi.org/10.1016/j.heliyon.2022.e10459>.
- Prabaningrum, S. D., Bintoro, V. P., & Abduh, S. B. M. (2022). Pengaruh Konsentrasi Bahan Pengikat terhadap Nilai Rendemen, Kadar Air, Aktivitas Air, dan Warna pada Nori Artifisial Daun Cincau. *Jurnal Aplikasi Teknologi Pangan*, 11(2), 47–52. <https://doi.org/10.17728/jatp.14367>.
- Pramanda, I. T., Anjani, D., & Heriawan, G. (2022). View of Inulin-producing Genes in Gembili (*Dioscorea esculenta*) and Future Applications for Food Industries in Indonesia. *Indonesian Journal of Life Sciences*, 4(1), 129–157.
- Prasetyaningsih, Y., Sari, M. W., & Ekawandani, N. (2018). Pembuatan Penyedap Rasa Alami Berbahan Dasar Jamur untuk Aplikasi Makanan Sehat (Batagor). *Eksergi*, 15(2), 41–47.
- Prasetyo, T. F., Isdiana, A. F., & Sujadi, H. (2020). Measure Device of Water Content On Food Materials Based On Internet of Things. *International Journal of Information System & Technology*, 3(2), 234–245.
- Pratiwi, T., & Hakiki, D. N. (2021). Pengaruh Variasi Tepung Tapioka Terhadap Tingkat Kesukaan Bakso Ikan Bandeng (*Channos channos* Forsk) Presto. *Food Scientia : Journal of Food Science and Technology*, 1(2), 131–141. <https://doi.org/10.33830/fsj.v1i2.2075.2021>.
- Puspaningdyah, E., & Herawati, D. (2020). Kombinasi BILAKUPU (Biji Labu Kuning dan Kunyit Putih) dalam Menurunkan Hiperkolesterolemia. *Jurnal SainHealth*, 4(1), 20–24.
- Putri, D. N., Haqqyana, Purwanti, L., Azizah, N., & Astuty, R. M. (2017). BALI (Beras Analog Umbi Gembili ): The Utilization of Gembil Tuber as The Raw

Material for Rice Analogue Production. *UI Proceedings on Science and Technology*, 2–5.

- Rahma, C., Yuniastuti, A., & Christijanti, W. (2021). Kadar Triglicerida Tikus Hiperkolesterolemia Setelah Pemberian Pati Umbi Gembili (*Dioscorea esculenta* L.). *Prosiding Semnas Biologi Ke-9*, 162–166.
- Ramos Diaz, J. M., Kantanen, K., Edelmann, J. M., Suhonen, H., Sontag-Strohm, T., Jouppila, K., & Piironen, V. (2022). Fibrous meat analogues containing oat fiber concentrate and pea protein isolate: Mechanical and physicochemical characterization. *Innovative Food Science & Emerging Technologies*, 77, 102954. <https://doi.org/10.1016/J.IFSET.2022.102954>.
- Rexhepi, F., Behrami, A., Samaniego-Sánchez, C., Rebezov, M., Shariati, M. A., da Silva, A. B., Bertoli, S. L., & de Souza, C. K. (2022). Chemical Changes of Pumpkin Seed Oils and the Impact on Lipid Stability During Thermal Treatment: Study By Ftir - Spectroscopy. *Journal of Microbiology, Biotechnology and Food Sciences*, 11(6), 1–6. <https://doi.org/10.55251/jmbfs.5839>.
- Rimbawan, & Nurbayani, R. (2013). Glycemic index value of *Dioscorea esculenta* product. *Jurnal Gizi Dan Pangan*, 8(2), 145–150.
- Riyanto, B., Syafitri, U. D., Santoso, J., & Yasmin, E. F. (2022). Karakteristik Daging Tiruan (Meat Analog) dengan Optimasi Formulasi Substitusi Rumput Laut menggunakan Mixture Design. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 25(2), 268–280. <https://doi.org/http://dx.doi.org/10.17844/jphpi.v25i2.39942>.
- Roth, G. A., Mensah, G. A., Johnson, C. O., Addolorato, G., Ammirati, E., Baddour, L. M., Barengo, N. C., Beaton, A., Benjamin, E. J., Benziger, C. P., Bonny, A., Brauer, M., Brodmann, M., Cahill, T. J., Carapetis, J. R., Catapano, A. L., Chugh, S., Cooper, L. T., Coresh, J., ... Fuster, V. (2020). Global Burden of Cardiovascular Diseases and Risk Factors, 1990–2019: Update From the GBD 2019 Study. *Journal of the American College of Cardiology*, 76(25), 2982–3021. <https://doi.org/10.1016/J.JACC.2020.11.010>.
- Rustagi, S. (2020). Food Texture and Its Perception, Acceptance and Evaluation. *Biosciences Biotechnology Research Asia*, 17(03), 651–658. <https://doi.org/10.13005/BBRA/2869>.
- Sabda, M., Wulanningtyas, H. S., Ondikeleuw, M., & Baliadi, Y. (2019). Karakterisasi Potensi Gembili (*Dioscorea esculenta* L.) Lokal Asal Papua Sebagai Alternatif Bahan Pangan Pokok. *Buletin Plasma Nutfah*, 25(1), 25–32.
- Sadli. (2018). Phytochemical Screening of *Volvariella Volvacea* (Straw Mushroom) Extract From Aceh's Local Cultivation. *Jurnal Natural*, 18(1), 32–37.

<https://doi.org/10.24815/jn.v18i1.9228>.

- Sadli, Saleha, S., & Raiyan. (2022). Natural flavoring formulations of straw mushrooms and quality test with variations in temperature and drying time. *Jurnal Natural*, 22(3), 141–147. <https://doi.org/10.24815/jn.v22i3.22885>.
- Sangthong, S., Pintathong, P., Pongsua, P., Jirarat, A., & Chaiwut, P. (2022). Polysaccharides from *Volvariella volvacea* Mushroom: Extraction, Biological Activities and Cosmetic Efficacy. *Journal of Fungi*, 8(6). <https://doi.org/10.3390/jof8060572>.
- Saputra, S., & Margawati, A. (2019). Pengaruh Pemberian Yoghurt Sinbiotik Tanpa Lemak dengan Penambahan Tepung Gembili (*Dioscorea Esculenta*) Terhadap Kadar Kolesterol Total Tikus Hiperkolesterolemia. *Journal of Nutrition College*, 4(2), 104–109.
- Saputra, W. (2014). *Budi Daya Jamur Merang* (N. Riawan (ed.)). AgroMedia Pustaka.
- Sari, D. W. R., & Savitri, M. (2018). Faktor-Faktor yang berhubungan dengan Pemanfaatan POSBINDU Penyakit Tidak Menular (PTM) di Wilayah Kerja PUSKESMAS Kecamatan Setia Budi Kota Jakarta Selatan Tahun 2018. *Jurnal Kebijakan Kesehatan Indonesia: JKKI*, 7(2), 49–56.
- Sari, LN., Yuniastuti, A., & Christijanti, W. (2021). Pengaruh Pemberian Pati Umbi Gembili (*Dioscorea esculenta*) Terhadap Kadar Kolesterol Ldl Dan Hdl Tikus Hiperkolesterolemia. *Prosiding Semnas Biologi Ke-9*, 192–195.
- Sarifudin, A., Ekafitri, R., Diki, N., Surahman, S., Khudaifanny, D., Febrianti, A., Putri, B., Besar, P., Teknologi, T., Guna, J. K. S., Tubun, N., & Barat, J. (2015). Pengaruh Penambahan Telur pada Kandungan Proksimat, Karakteristik Aktivitas Air Bebas (Aw) dan Tekstural Snack Bar Berbasis Pisang (*Musa paradisiaca*). *Agritech: Jurnal Fakultas Teknologi Pertanian UGM*, 35(1), 1–8. <https://doi.org/10.22146/AGRITECH.9413>.
- Sarofa, U., Wicaksono, L. A., & Wayuni, A. I. (2022). Pengaruh Konsentrasi Tapioka dan Margarin terhadap Karakteristik Patty Burger Keong Sawah (*Pila ampullacea*). *Jurnal Keteknikan Pertanian Tropis Dan Biosistem*, 10(2), 101–107.
- Septian, M. T., Wahyuni, F. D., & Nora, A. (2022). Uji Aktivitas Antioksidan dengan Metode DPPH dan Identifikasi Golongan Metabolit Sekunder pada Daging Ubi Jalar dari Berbagai Daerah Indonesia. *SPIN: Jurnal Kimia Dan Pendidikan Kimia*, 4(2), 185–196.
- Setyaningsih, D., Siregar, M. S., Pasaribu, P. Y., & Muna, N. (2023). Formulation of Palm Oil Based Fat Replacer and Its Application on Meat Analogue. *IOP Conference Series: Earth and Environmental Science*, 1187(1).

<https://doi.org/10.1088/1755-1315/1187/1/012001>.

- Setyowati, T. (2018). *Pengaruh Penambahan Tepung Maizena Terhadap Karakteristik Daging Tiruan Berbahan Dasar Tempe Gembus dan Tempe Koro Benguk (Mucuna pruriens)*. Universitas Brawijaya.
- Shen, Y., Hong, S., & Li, Y. (2022). Pea protein composition, functionality, modification, and food applications: A review. *Advances in Food and Nutrition Research*, *101*, 71–127. <https://doi.org/10.1016/BS.AFNR.2022.02.002>.
- Singh, A., & Sit, N. (2022). Meat Analogues: Types, Methods of Production and Their Effect on Attributes of Developed Meat Analogues. *Food and Bioprocess Technology*, *15*(12), 2664–2682. <https://doi.org/10.1007/S11947-022-02859-4>.
- Singla, A., Gupta, O. P., Sagwal, V., Kumar, A., Patwa, N., Mohan, N., Ankush, Kumar, D., Vir, O., Singh, J., Kumar, L., Lal, C., & Singh, G. (2024). Beta-Glucan as a Soluble Dietary Fiber Source: Origins, Biosynthesis, Extraction, Purification, Structural Characteristics, Bioavailability, Biofunctional Attributes, Industrial Utilization, and Global Trade. *Nutrients*, *16*(6), 900. <https://doi.org/10.3390/NU16060900/S1>.
- Soetjipto, H., Tindage, A., & Cahyani, N. (2018). Pengaruh Pemurnian Degumming dan Netralisasi Terhadap Profil Minyak Biji Labu Kuning (*Curcubita moschata* D.). *Jurnal Konversi*, *7*(1), 49–56.
- Souhoka, F. A., Hattu, N., & Huliselan, M. (2019). Uji Aktivitas Antioksidan Ekstrak Metanol Biji Kesumba Keling (*Bixa orellana* L). *J. Chem. Res*, *7*(1), 25–31.
- Spence, C. (2015). On the psychological impact of food colour. *Flavour*, *4*(1), 1–16. <https://doi.org/10.1186/S13411-015-0031-3>.
- Subroto, E., Lembong, E., Filianty, F., Indiarito, R., Primalia, G., Putri, M. S., Theodora, H. C., & Junar, S. (2020). The Analysis Techniques Of Amino Acid And Protein In Food And Agricultural Products. *International Journal of Scientific & Technology Research*, *9*(10), 29–36.
- Sukalingam, K., Ganesan, K., Das, S., & Thent, Z. C. (2015). An insight into the harmful effects of soy protein: A review. *Clinica Therapeutica*, *166*(3), 131–139. <https://doi.org/10.7417/CT.2015.1843>.
- Sunyoto, M., Andoyo, R., Radiani, H., & Rista, N. (2017). Kajian Karakteristik Pure Ubi Jalar dengan Perlakuan Suhu dan Lama Annealing Sebagai Sediaan Pangan Darurat. *Jurnal Sains Dan Teknologi*, *6*(1), 1–10.
- Syed, Q. A., Akram, M., & Shukat, R. (2019). Nutritional and Therapeutic

- Importance of the Pumpkin Seeds. *Biomed J Sci & Tech Res*, 21(2). <https://doi.org/10.26717/BJSTR.2019.21.003586>.
- Szlas, A., Kurek, J. M., & Krejpcio, Z. (2022). The Potential of L-Arginine in Prevention and Treatment of Disturbed Carbohydrate and Lipid Metabolism—A Review. *Nutrients*, 14(5). <https://doi.org/10.3390/NU14050961>.
- Tjokrokusumo, D. (2015). Diversitas jamur pangan terhadap kandungan beta-glukan dan manfaatnya terhadap kesehatan. *Pros Sem Nas Masy Biodiv Indo*, 1, 1520–1523. <https://doi.org/10.13057/psnmbi/m010646>.
- Umarudin, Susanti, R., & Yuniastuti, A. (2012). Efektifitas Ekstrak Tanin Seledri Terhadap Profil Lipid Tikus Putih Hiperkolesterolemia. *Unnes Journal of Life Science*, 1(2), 78–85.
- Wajpeyi, S. M. (2020). Analysis of Etiological Factors of Dyslipidemia -A Case Control Study. *International Journal of Ayurvedic Medicine*, 11(1), 92–97. <https://doi.org/10.47552/ijam.v11i1.1340>.
- Wang, M., & Zhao, R. (2023). A review on nutritional advantages of edible mushrooms and its industrialization development situation in protein meat analogues. *Journal of Future Foods*, 3(1), 1–7. <https://doi.org/10.1016/J.JFUTFO.2022.09.001>.
- Watford, M., & Wu, G. (2018). Protein. *Advances in Nutrition*, 9(5), 651. <https://doi.org/10.1093/ADVANCES/NMY027>.
- WHO. (2023). *Noncommunicable diseases*. <https://www.who.int/news-room/fact-sheets/detail/noncommunicable-diseases>.
- Wi, G., Bae, J., Kim, H., Cho, Y., & Choi, M. J. (2020). Evaluation of the physicochemical and structural properties and the sensory characteristics of meat analogues prepared with various non-animal based liquid additives. *Foods*, 9(4). <https://doi.org/10.3390/FOODS9040461>.
- Wibawa, M. J. K., Ulfah, M., Widyasaputra, R., & Setya, E. A. (2023). Pengaruh Substitusi Tepung Kacang Merah dan Kacang Koro dengan Variasi Waktu Perebusan terhadap Karakteristik Daging Analog. *BIOFOODTECH : Journal of Bioenergy and Food Technology*, 1(02), 95–105. <https://doi.org/10.55180/biofoodtech.v1i02.299>.
- Widya, F. C., Anjani, G., & Syauqy, A. (2019). Analisis Kadar Protein, Asam Amino, dan Daya Terima Pemberian Makanan Tambahan (PMT) Pemulihan Berbasis Labu Kuning (Cucurbita Moschata) untuk Batita Gizi Kurang. *Journal of Nutrition College*, 8(4), 207–218.
- Widyastuti, N., & Tjokrokusumo, D. (2022). Manfaat Jamur Konsumsi (Edible

- Mushroom) Dilihat Dari Kandungan Nutrisi Serta Perannya Dalam Kesehatan. *Jurnal Teknologi Pangan Dan Kesehatan (The Journal of Food Technology and Health)*, 3(2), 92–100. <https://doi.org/10.36441/jtepakes.v3i2.562>.
- Wijono, W. K., & Estiasih, T. (2021). The effect of lesser yam tuber flour (*Dioscorea esculenta*) and cooking methods on meat analogue chemical and textural properties. *Advances in Food Science, Sustainable Agriculture and Agroindustrial Engineering*, 4(2), 162–170. <https://doi.org/10.21776/ub.afssae.2021.004.02.10>.
- Winarti, S., Harmayani, E., & Nurismanto, R. (2011). Karakteristik dan Profil Inulin Beberapa Jenis Uwi. *AGRITECH*, 31(4), 378–386.
- Wu, G., Cross, H. R., Gehring, K. B., Savell, J. W., Arnold, A. N., & McNeill, S. H. (2016). Composition of free and peptide-bound amino acids in beef chuck, loin, and round cuts. *Journal of Animal Science*, 94(6), 2603–2613. <https://doi.org/10.2527/JAS.2016-0478>.
- Xie, Y., Cai, L., Zhao, D., Liu, H., Xu, X., Zhou, G., & Li, C. (2022). Real meat and plant-based meat analogues have different in vitro protein digestibility properties. *Food Chemistry*, 387, 132917. <https://doi.org/10.1016/J.FOODCHEM.2022.132917>.
- Yofananda, O., Sobir, Wijaya, C. H., & Lioe, H. N. (2021). Variability and relationship of six Indonesian shallots (*Allium cepa* var. *ascalonicum*) cultivars based on amino acid profiles and fried shallot's sensory characteristics. *Biodiversitas*, 22(8), 3327–3332.
- Yu, Q., Guo, M., Zhang, B., Wu, H., Zhang, Y., & Zhang, L. (2020). Analysis of Nutritional Composition in 23 Kinds of Edible Fungi. *Journal of Food Quality, 2020*. <https://doi.org/10.1155/2020/8821315>.
- Yuliani, Y., Maryanto, M., & Nurhayati, N. (2018). Karakteristik Fisik dan Kimia Tepung Jamur Merang (*Volvariella volvacea*) dan Tepung Jamur Tiram (*Pleurotus ostreatus*) Tervariasi Perlakuan Blanshing. *Jurnal Agroteknologi*, 12(2), 176. <https://doi.org/10.19184/J-AGT.V12I02.9296>.
- Yuningrum, H., Rahmuniyati, M. E., & Sumiratsi, N. N. R. (2020). Consumption of Fried Foods as A Risk Factor for Hypercholesterolemia: Study of Eating Habits in Public Health Students. *Journal of Health Education*, 5(2), 78–85. <https://doi.org/10.15294/jhe.v5i2.38683>.
- Zeka, K., Ruparelia, K., Arroo, R. R. J., Budriesi, R., & Micucci, M. (2017). Flavonoids and Their Metabolites: Prevention in Cardiovascular Diseases and Diabetes. *Diseases*, 5(3), 19. <https://doi.org/10.3390/DISEASES5030019>.
- Zhang, J., Hayden, K., Jackson, R., & Schutte, R. (2021). Association of red and

processed meat consumption with cardiovascular morbidity and mortality in participants with and without obesity: A prospective cohort study. *Clinical Nutrition*, 40(5), 3643–3649. <https://doi.org/10.1016/J.CLNU.2020.12.030>.

Zuhdi, M., & Khairi, A. N. (2022). Analysis of organoleptic properties and consumer acceptance of frozen noodle products. *Journal of Halal Science and Research*, 3(1), 15–19.