

DAFTAR PUSTAKA

- Acosta-Pavas, J. C., Alzate-Blandon, L., & Ruiz-Colorado, A. A. (2020). Enzymatic Hydrolysis of Wheat Starch for Glucose Syrup Production. *DYNA*, 87(214), 173–182.
- Ademakinwa A., Agunbiade M., Ayinla Z., Agboola F. 2019. Optimization of Aqueous Twophase Partitioning of Aureobasidium Pullulans A–Amylase Via Response Surface Methodology and Investigation of Its Thermodynamic and Kinetic Properties. *Int. J. Biol. Macromol.*, 140, 833–841.
- Adeyanju, A. A., Adeleye, D. G., Adejuyitan, J. A., Ogunbusola, E., & Bamidele, O. P. (2024). The In Vitro Starch Digestibility, Pasting, and Antioxidant Properties of the Composite Flour from Cassava Root and Tigernut Seed. *CYTA – Journal of Food*, 22(1).
- Ahmad, M., Isah, U., & Ibrahim, D. (2019). An Overview of the Enzyme: Amylase and Its Industrial Potentials. *Bayero Journal of Pure and Applied Sciences*, 12(1), 352–358.
- Al-Bedak, O. A. H., Sakr, R. S., & Al-Kolaibe, A. M. G. (2022). The Microbial Amylases: An Overview with Practical Consequences and Applications. *Journal of Microbiology & Experimentation*, 10(4), 130–134.
- Ali, A., Wani, T. A., Wani, I. A., & Masoodi, F. A. (2016). Comparative Study of the Physicochemical Properties of Rice and Corn Starches Grown in Indian Temperate Climate. *Journal of the Saudi Society of Agricultural Sciences*, 15(1), 75–82.
- Ali, Z., Abdullah, M., Yasin, M. T. (2025). Recent Trends in Production and Potential Applications of Microbial Amylases: A Comprehensive Review. *Protein Expression and Purification*, 227. *Academic Press*.

- Aller, E. E. J. G., Abete, I., Astrup, A., Martínez, J. A., & van Baak, M. A. (2011). Starches, Sugars, and Obesity. *Nutrients*, 3(3), 341–369.
- Amelework, A. B., & Bairu, M. W. (2022). Advances in Genetic Analysis and Breeding of Cassava (*Manihot esculenta* Crantz): A Review. *Plants (Basel, Switzerland)*, 11(12), 1617.
- Andrić, M., Meyer, A. S., Jensen, P. A., & Dam-Johansen, K. (2010). Reactor Design for Minimizing Product Inhibition During Enzymatic Lignocellulose Hydrolysis: I. Significance and Mechanism Of Cellobiose and Glucose Inhibition on Cellulolytic Enzymes. *Biotechnology Advances*, 28(3), 308-324.
- Anggraeni, V. S. (2017). *Pengembangan pati ubi jalar ungu (Ipomoea batatas) dengan metode pregelatinasi dan asetilasi sebagai bahan penghancur tablet parasetamol* (Skripsi). Universitas Darussalam Gontor.
- Anitha Gopal, B., & Muralikrishna, G. (2009). Porcine pancreatic α -amylase and its isoforms: Purification and kinetic studies. *International Journal of Food Properties*, 12(3), 571-586.
- Annidya, P. A. (2025). *Kinetika Hidrolisis Selulosa Menjadi Glukosa Pada Limbah Kulit Nanas (Ananas comosus) Menggunakan Enzim Selulase* (Doctoral dissertation, UPN Veteran Jawa Timur).
- Ardiansyah, N., & Musta, R. (2018). Waktu Optimum Hidrolisis Pati Limbah Hasil Olahan Ubi Kayu (*Manihot esculenta* Crantz var. Lahumbu) Menjadi Gula Cair Menggunakan Enzim α -Amilase Dan Glukoamilase Optimum Time Waste Processed Starch Hydrolysis of Cassava (*Manihot esculenta* Crantz var. Lahumbu) Into Liquid Sugar Using Enzymes α -Amylase. *J. Chem. Res*, 5(2).

- Aryanti, N., Kusumastuti, Y. A., Rahmawati, W., & Aryanti, N. (2017). Pati Talas (*Colocasia esculenta* (L.) Schott) sebagai Alternatif Sumber Pati Industri. *Majalah Ilmiah Momentum*.
- Ayuningtyas, L. P., Syska, K., & Yuliasari, H. (2021). Karakterisasi Pati Kimpul (*Xanthosoma sagittifolium*) dengan Modifikasi Heat Moisture Treatment. *Scientific Timeline*, 1(1), 20-26.
- Bai, Y., Li, X., Ji, H., Wang, Y., Zheng, D., Wang, Y., & Jin, Z. (2021). A Review of The Design and Architecture of Starch-Based Dietary Foods. *Engineering*, 7(5), 663-673.
- Branch, C., Baseggio, M., Resende, M., & Tracy, W. F. (2024). *The sugary enhancer1 (se1) allele is associated with significant decreases in carotenoids and tocotrienols in yellow (Y1) sugary1 (su1) sweet corn.*
- Cai, Z., Li, M., Zhang, F., Li, Y. Z., Ye, W. T., & Fan, X. W. (2023). Impact of Lignin on The Starch Accumulation, Composition, and Pasting Properties of Cassava. *LWT*, 184, 115073.
- Chakraborty, I., Pallen, S., Shetty, Y., Roy, N., & Mazumder, N. (2020). Advanced Microscopy Techniques for Revealing Molecular Structure of Starch Granules. *Biophysical Reviews*, 12(1), 105-122.
- Chakraborty, I., Pooja, N., Mal, S. S., Paul, U. C., Rahman, M. H., & Mazumder, N. (2022). An Insight into the Gelatinization Properties Influencing the 77 Modified Starches Used in Food Industry: A Review. *Food and Bioprocess Technology*, 15(6), 1231–1251.
- Chen, X., & Li, C. (2025). Partially Gelatinized Corn and Potato Starch Show Faster Digestibility after Retrogradation. *Food Chemistry*, 492, 145546.
- Da Silva, G. M., de Figueirêdo, R. M. F., de Melo Queiroz, A. J., de Vilela Silva, E. T., Moura, H. V., de França Silva, A. P., Santos, N. C., Buriti, F. C. A., Carvalho, A. J. de B. A., & dos Santos Lima, M. (2025). Blanching,

- Cooking, and Ethanol are Effective Strategies for Preserving Biofunctional Compounds in Purple-Fleshed Sweet Potato Powder. *Food and Bioproducts Processing*, 150(January), 118–130.
- Deshavath, N. N., Mukherjee, G., Goud, V. V., Veeranki, V. D., & Sastri, C. V. (2020). Pitfalls in The 3, 5-Dinitrosalicylic Acid (DNS) Assay for The Reducing Sugars: Interference Hydroxymethylfurfural. *International Bacromolecules*, 156, 180-185.
- Dewi, K. L., Aulina, D. E., Wulandari, F., & Maharani, S. (2022). Application Of *Saccharomyces Cerevisiae* in Banana Flour, Purple Sweet Potato Flour, and Black Glutinous Flour. *Edufortech*, 7(2).
- Dharmansyah, D. (2026). Strategi Inovasi Pengolahan Tepung Ubi Jalar sebagai Solusi Alternatif Karbohidrat pada Produk Pangan Lokal. *Botani: Publikasi Ilmu Tanaman dan Agribisnis*, 3(1), 111-120.
- Doan, H. T. T., Kim, T., Cha, M., & Kim, S. J. (2025). Synthesis and Potential Application of Slowly Digestible Starch. *Journal of Functional Foods*, 131, 106955.
- Dodi, R., Di Pede, G., Scarpa, C., Deon, V., Dall'Asta, M., & Scazzina, F. (2023). Effect of The Pasta Making Process on Slowly Digestible Starch Content. *Foods*, 12(10), 2064.
- Dorantes-Fuertes, M. G., López-Méndez, M. C., Martínez-Castellanos, G., Meléndez-Armenta, R. Á., & Jiménez-Martínez, H. E. (2024). Starch Extraction Methods in Tubers and Roots: A Systematic Review. *Agronomy*, 14(4), 865.
- Englyst, H. N., Kingman, S. M., & Cummings, J. H. (1992). Classification and Measurement of Nutritionally Important Starch Fractions. *European Journal of Clinical Nutrition*, 46(Suppl. 2), S33–S50.

- Fajri, M.S., Satrio, M.A., Utami, L.I., & Wahyusi, K.N. (2022). Produksi Gula Cair dengan Proses Hidrolisis Asam dengan Bahan Pati Singkong. *ChemPro*, 3(1), 58 -64.
- Fajri, P. Y., Putri, N. E., Novita, R., Gusmalini, G., & Muchrida, Y. (2021). Alih teknologi pengolahan pangan lokal di Kenagarian Andaleh, Limapuluh Kota. *LOGISTA-Jurnal Ilmiah Pengabdian Kepada Masyarakat*, 5(1), 81-86.
- Faridah, D. N., Thonthowi, A. (2020). Karakterisasi Fisik Pati Tapioka Modifikasi Gabungan Hidroksipropilasi dengan Fosfat-Ikat Silang. *Jurnal Mutu Pangan*, 7(1), 30–37.
- Fitriani, W., & Khairi, A. N. (2023). Pengaruh Blanching dan Jenis Larutan Perendam Terhadap Karakteristik Fisiko-Kimia Tepung Ubi Jalar Ungu (*Ipomoea batatas* L.). *Jurnal Teknologi Pangan*, 17(1), 69-88.
- Geng, J., Luo, Y., Liu, L., Feng, J., Zhang, J., Wang, J., ... & Liu, Y. (2025). Effect of Extraction Methods on Lyophyllum Decastes Crude Polysaccharides for Modifying Wheat Starch Pasting, Rheology, and In Vitro Digestibility. *International Journal of Biological Macromolecules*, 149328.
- Gomez, K. A., & Gomez, A. A. (1984). *Statistical procedures for agricultural research*. John wiley & sons.
- Gopal B.A., Muralikrishna G. 2009. Porcine Pancreatic A–Amylase and Its Isoforms: Purification and Kinetic Studies. *Int. J. Food Prop.*, 12, 571–586.
- Gusni, V. S., Chatri, M., Akhyar, A., Hartati, N. S., Fitriani, H., & Taryana, N. (2022). Diversity of the Starch Granule Morphology of Several Types Cassava (*Manihot esculenta* Crantz). *EKSAKTA: Berkala Ilmiah Bidang MIPA*, 23(03), 167-174.
- Hanifah, U. A., Saputri, Y., Hikmala, R. A., & Fadhlurrohman, I. (2025, December). Pengaruh Penambahan Berbagai Jenis Tepung terhadap Tekstur

- Bakso. In *Prosiding Seminar Nasional Pembangunan dan Pendidikan Vokasi Pertanian* (Vol. 6, No. 1, pp. 722-731).
- Harbor, C. I., & Aniedu, C. (2021). Exploring Some Neglected and Underutilized Root and Tuber Crops For Food Security in Nigeria. In O. O. Babalola (Ed.), *Food Security and Safety* (p. 133). Springer.
- Harni, M., & Viza, R. Y. (2024). Pengaruh Proses Pengolahan terhadap Sifat Fungsional Pati: Artikel Review. *Agroteknika*, 7(2), 287–298.
- Harni, M., Anggraini, T., Rini, R., & Suliansyah, I. (2022). Review Artikel: Pati pada Berbagai Sumber Tanaman. *Agroteknika*, 5(1), 26-39.
- Irfandi, D. (2019). *Pengaruh pupuk phospat dan bahan organik terhadap pertumbuhan dan hasil singkong (Manihot esculenta Crantz) ketan yang bermikoriza di tanah mediteran, Gunung Kidul* (Skripsi). Universitas Muhammadiyah Yogyakarta.
- Irsyam, A. S. D., Mustaqim, W. A., & Irwanto, R. R. (2020). *Xanthosoma sagittifolium* (L.) Schott (Araceae). In F. M. Franco (Ed.), *Ethnobotany of The Mountain Regions of Southeast Asia* (pp. 1131–1136). Springer.
- Istia'nah, D., Utami, U., & Barizi, A. (2020). Characterization of Amylase Enzyme from *Bacillus megaterium* on Various Temperature, pH, and Substrate Concentration. *Jurnal Riset Biologi dan Aplikasinya*, 2(1).
- Istifadah, N. N., & Siahaan, N. R. (2022). *Pembuatan Pati Rendah Kaloridari Ubi Jalar Ungu*. Surabaya: Universitas Pembangunan Nasional “Veteran” Jawa Timur.
- Jatmiko, G. P., & Estiasih, T. (2014). Mie Dari Umbi Kimpul (*Xanthosoma Sagittifolium*): Kajian Pustaka. *Jurnal Pangan dan Agroindustri*, 2(2), 127–134.
- Kholidah, S. N., & Purwanti, Y. (2023). Characteristics of The Physicochemical Properties of Purple Sweet Potato Flour (*Ipomea batatas* L.) with

Temperature Variations in Drying Cabinet Dryer. *Journal of Food and Agricultural Product*, 3(2), 82-92.

- Laga, A., Putri, T. P., Syarifuddin, A., Hidayah, N., & Muhpidah, M. (2019). Pengaruh Penambahan Asam Askorbat Terhadap Sifat Fungsional Pati Ubi Jalar Ungu (*Ipomea batatas* L.): (The Effect of Ascorbic Acid Addition on Functional Characteristic of Purple Sweet Potato (*Ipomea batatas* L.) Starch). *Canrea Journal: Food Technology, Nutritions, and Culinary Journal*, 90-97.
- Li, M., Xu, J., Cai, Z., Zhu, P., Liu, K., Deng, S., Li, Y., & Fan, X. (2026). Variations in Carbon Flux Allocation Among Cassava (*Manihot Esculenta*) Cultivars Arise from Balanced Competition Between Starch Accumulation and Structural Component Development. *Communications Biology*, 9, 277.
- Li, X., Chen, Z., & Sun, Q. (2020). Influence of Temperature and Enzyme Concentration on Starch Hydrolysis Kinetics. *International Journal of Biological Macromolecules*, 155, 1043–1052.
- Lin, J., & Li, C. (2023). Pengaruh Karakteristik Beras Instan dan Kondisi Pengolahan Terhadap Daya Cerna Pati. *Jurnal Ilmu Pangan*, 88 (8), 3143–3154.
- Liu, Y. H., Lu, F. P., Li, Y., Wang, J. L., & Gao, C. (2008). Acid Stabilization of *Bacillus Licheniformis* Alpha Amylase Through Introduction of Mutations. *Applied Microbiology and Biotechnology*, 80(5), 795-803.
- Mancin, L., Burke, L. M., & Rollo, I. (2025). Fibre: The Forgotten Carbohydrate in Sports Nutrition Recommendations. *Sports Medicine*, 55(5), 1067–1083.
- Marsely, B., Utami, S., & Murningsih. (2024). Keanekaragaman Jenis Tumbuhan Semak di KHDTK Wanadipa Kabupaten Semarang, Jawa Tengah. *Jurnal Ilmu Lingkungan*, 22(6), 1388–1393.

- Maulidya, Z., Rizkyana, Y. N., Anugraini, B. B., Firdaus, H. I., & Marlina, I. (2026, January). Karakteristik Fisik Tepung Ubi Ungu (*Ipomoea batatas* L.) Non-Kukus dan Evaluasi Sensoris Cookies. *In Prosiding Seminar Nasional Hukum, Bisnis, Sains dan Teknologi* (Vol. 6, No. 1, pp. 53-58).
- Milek, J. (2021). Determination of Activation Energies and The Optimum Temperatures of Hydrolysis of Starch By α -Amylase from Porcine Pancreas. *Molecules*, 26(14), 4117.
- Milek, J., & Liszkowska, J. (2026). Potato Starch Hydrolysis by α -Amylase: Effect of Duration on the Optimum Temperature and Deactivation Energy. *Journal of Thermal Analysis and Calorimetry. Advance Online Publication*.
- Miller, G. L. (1959). Use Of Dinitrosalicylic Acid Reagent for Determination of Reducing Sugar. *Analytical Chemistry*, 31(3), 426–428.
- Muchlisriyati, J., Widyaningsih, T. D., Wulansari, R., & Prasmita, H. S. (2021). *The Effect of Processing and Cooling Methods on Coleus tuberosus in vitro Starch Digestibility*. *agriTECH*, 41(3).
- Muhammad, F., Retnaningsih, T. S., Hastuti, R. B. (2023). Reboisasi sebagai Upaya Konservasi di KHDTK Dipoforest Hutan Penggaron Kabupaten Semarang. *Jurnal Pasopati*, 5(1).
- Muliasari, H., & Permatasari, L. (2022). Studi Awal Uji Aktivitas Enzim Amilase dari Tumbuhan secara Kualitatif Berdasarkan Perbedaan Suhu dan Konsentrasi Substrat. *Journal of Agritechnology and Food Processing*, 2(1).
- Nadhira, R., & Cahyana, Y. (2023). Kajian Sifat Fungsional dan Amilografi Pati dengan Penambahan Senyawa Fenolik: Kajian Pustaka. *Jurnal Penelitian Pangan (Indonesian Journal of Food Research)*, 3(1).
- Ni Made Frida Yanti, & I Gusti Ngurah Agung Dewantara Putra. (2023). Pengaruh Variasi Suhu Pengeringan Dalam Pembuatan Amilum Talas Kimpul

- (*Xanthosoma sagittifolium* (L.) Schoot) Dengan Oven. *Jurnal Transformasi Mandalika*, E-ISSN: 2745-5882, P-ISSN: 2962-2956 , 4 (3), 87-91.
- Oza, D., Rathva, S., & Upadhyay, D. (2020). Industrial Application of Amylase: A Review. *UGC Care Journal*, 40(71), 209–215.
- Palimeri, D. T., Papadopoulou, K., Vlyssides, A. G., & Vlysidis, A. A. (2023). Hydrolysis Optimization of By-Products from the Potato Processing Industry and Biomethane Production from Starch Hydrolysates. *Sustainability*, 15(20), 14860.
- Pinudya, A. S., Soedarmo, S. P. K., & Kismartini. (2025). Analisis Faktor Internal dan Eksternal Proses Pengelolaan KHDTK Wanadipa Berbasis Peran Serta Masyarakat dalam Fungsi Simpanan Karbon. *Jurnal Ilmu Lingkungan*, 23(4), 1004–1012.
- PT Permada Nusantara Hijau. (2021). Laporan Akhir Inventarisasi Sumber Daya Hutan dan Sosial Ekonomi Masyarakat pada Kawasan Hutan dengan Tujuan Khusus (KHDTK) Wanadipa untuk Penelitian dan Pengembangan Universitas Diponegoro di Kabupaten Semarang Provinsi Jawa Tengah Luas 99,65 Hektar. [Laporan Akhir]. Yogyakarta.
- Puspitasari, G., Safrihatini, W., & Umam, K. (2022). Studi Kinetika Reaksi dari Enzim α -Amilase pada Proses Penghilangan Kanji Kain Kapas.
- Putri, A., Alfisyahrin, A., Khairani, D., Hutabarat, L. S. B., & Sarjani, T. M. (2023). Form and Type of Familum in The Tuber Family. *Jurnal Biologi Tropis*, 23(2), 460-467.
- Rashwan, A. K., Younis, H. A., Abdelshafy, A. M. (2024). Plant Starch Extraction, Modification, and Green Applications: A Review. *Environmental Chemistry Letters*, 22(5).
- Rosalinda, S., Nurjanah, S., Saputra, R. A., & Bafdal, N. (2019). Optimalisasi Pemisahan Menggunakan Kecepatan dan Waktu Sentrifuge yang Berbeda

- pada Ekstraksi Pati Jagung Varietas Lokal Kabupaten Garut. *Jurnal Teknotan*, 13(1), 28.
- Rosida, D. F., Priyanto, A. D., & Ristanti, D. W. (2022). Kajian Penambahan Madu dan Pati Kimpul (*Xanthosoma Sagittifolium*) Pada Snack Bar Buah Kering dan Serealia. *Journal of Tropical Agricultural Engineering and Biosystems Jurnal Keteknikan Pertanian Tropis dan Biosistem*, 10(3), 200-212.
- Roy, J. K., Manhar, A. K., Nath, D., Mandal, M., & Mukherjee, A. K. (2015). Cloning and Extracellular Expression of A Raw Starch Digesting A Amylase (Blamy-I) and Its Application in Bioethanol Production from A Non-Conventional Source Microbiology, 55(11), 1287-1298.
- Rozali, Z. F., Zulmalisa, Z., Sulaiman, I., Lubis, Y. M., Noviasari, S., Eriani, K., & Asrizal, C. W. (2021). Decreased of calcium oxalate levels in the purple taro flour (*Colocasia esculenta*) from Aceh Province, Indonesia using three immersion methods. *IOP Conference Series: Earth and Environmental Science*, 711(1), 012022.
- Sakinah, A. R. (2018). *Isolasi, karakterisasi sifat fisikokimia, dan aplikasi pati jagung dalam bidang farmasetik*. Farmaka, 16(2), 430–442.
- Santosa, E. (2022). Karakterisasi Morfo-fisiologi dan Keragaman Genetik Aksesori Talas Kimpul (*Xanthosoma sagittifolium* (L.) Schott). *Indonesian Journal of Agronomy/Jurnal Agronomi Indonesia*, 50(2).
- Saputro, R. W., Izzati, M., & Yusuf, M. (2024). Tree Carbon Stock Analysis in Education Forest KHDTK Wanadipa UNDIP, Semarang. *Journal of Bioresources and Environmental Sciences*, 3(1), 27–36.
- Sari, D. P., Wuryanti, & Anam, K. (2013). *Isolasi, purifikasi dan karakterisasi α -amilase dari Saccharomyces cerevisiae FNCC 3012/1000*. Chem Info, 1(1), 337–344.

- Siddiqui, S., Dalal, N., & Srivastva, A. (2022). Morphological, Physiochemical and Colour Characteristics of Fresh and Cured Starch in Potato Varieties. *Journal of Horticultural Sciences*, 17(1), 227-236.
- Silano, V., Barat Baviera, J. M., Bolognesi, C., Cocconcelli, P. S., Crebelli, R., & Gott, D. M. (2021). Safety evaluation of a food enzyme containing trypsin, chymotrypsin, elastase and carboxypeptidase from porcine pancreas. *EFSA Journal*, 19 (1), Article e06368.
- Sina, N. W. F., Sukmaria, A. A., & Redjeki, S. (2020). Studi Kinetika Reaksi Fermentasi Selulosa Tongkol Jagung Menggunakan Enzim Selulase Pada Reaktor Batch. *Journal Of Chemical and Process Engineering Chempro Journal*, 1(2).
- Singh, J., Dartois, A., & Kaur, L. (2010). Starch Digestibility in Food Matrix: A Review. *Trends in Food Science & Technology*, 21(4), 168–180.
- Somavat, P., Liu, W., & Singh, V. (2021). Wet milling characteristics of corn mutants using modified processes and improving starch yields from high amylose corn. *Food and Bioproducts Processing*, 126, 104–112
- Spada, V., De Caro, S., Di Stasio, L., Siano, F., Ferranti, P., Addeo, F., ... & Picariello, G. (2026). Molecular Characterization of Porcine Pancreatin and A-Amylase Highlights Protein and Peptide Complexity Impacting In Vitro Digestion Assays. *Food Research International*, 119327.
- Suarni, S., Firmansyah, I. U., & Aqil, M. (2013). Keragaman mutu pati beberapa varietas jagung. *Jurnal Penelitian Pertanian Tanaman Pangan*, 32(1), 124615.
- Syahbanu, F., Napitupulu, F. I., Septiana, S., & Aliyah, N. F. (2023). Struktur Pati Beras (*Oryza sativa* L.) dan Mekanisme Perubahannya pada Fenomena Gelatinisasi dan Retrogradasi. *Agrointek: Jurnal Teknologi Industri Pertanian*, 17(4), 755–767.

- Tazkiah, N. P., Rosahdi, T. D., & Supriadin, A. (2017). Isolasi dan Karakterisasi Enzim Amilase dari Biji Nangka (*Artocarpus heterophyllus*). *Al-Kimiya*, 4 (1), 17–22.
- Ulyarti, U., Mursyid, M., Nazarudin, N., & Situmorang, J. A. (2022). Pengaruh konsentrasi pati dan jenis pelarut pada modifikasi pati menggunakan metode presipitasi terhadap sifat fisik pati uwi putih (*Dioscorea alata*). *Jurnal Teknologi Pertanian Andalas*, 26(1),
- Wahyuningsih, S. (2019). Pengaruh Konsentrasi Enzim A–Amilase pada Hidrolisis Pati Labu Jepang (Kabocha). *Chemical Engineering Research Article*, 2(1), 26-32.
- Wang Y., Ral J.-P., Saulnier L., Kansou K. (2022). How Does Starch Structure Impact Amylolysis? Review of Current Strategies for Starch Digestibility Study. *Foods*, 11(9), 1223, 1–19.
- Wang, J., Li, Y., Ma, W., Zhang, J., Yang, H., Wu, P., ... & Jin, Z. (2024). Physicochemical Changes and In Vitro Digestibility of Three Banana Starches at Different Maturity Stages. *Food Chemistry: X*, 21, 101004.
- Wardani, N. E., Subaidah, W. A., & Muliasari, H. (2021). Ekstraksi dan Penetapan Kadar Glukomanan dari Umbi Porang (*Amorphophallus muelleri* Blume) Menggunakan Metode DNS: Extraction and Determination of Glucomannan Contents from Porang Tuber (*Amorphophallus muelleri* Blume) Using DNS Method. *Jurnal Sains dan Kesehatan*, 3(3), 383-391.
- Warren, F. J., Zhang, B., Waltzer, G., Gidley, M. J., & Dhital, S. (2015). The Interplay Of α -Amylase and Amyloglucosidase Activities on The Digestion of Starch In Vitro Enzymic Systems. *Carbohydrate polymers*, 117, 192 200.
- William, O. A., Selina, O. K., & Orua, A. O. (2023). Investigation Into Optimal Conditions for Enzymatic Hydrolysis of Cassava Starch to Glucose by Amylase from Rice. *American Journal of Smart Technology and Solutions*, 2(2), 1-9.

- Xie, Q., Fan, B., Tao, R., Wang, F., & Sun, Y. (2025). A comprehensive review of starch: Structure, properties, chemical modification, and application in food preservation. *Food Frontiers*, 6(4), 1645–1657.
- Yanti, N. M. F., & Putra, I. G. N. A. D. (2023). Pengaruh Variasi Suhu Pengeringan dalam Pembuatan Amilum Talas Kimpul (*Xanthosoma sagittifolium* (L.) Schoot) dengan Oven. *Journal Transformation of Mandalika*, 4(3), 87–91.
- Yao, B., Jin, C., Guan, Y., Chang, Z., Liu, Q., & Gao, H. (2024). Purification and Characteristics of β -Amylase from Soybean Whey Wastewater. *Catalysts*, 14(12), 909.
- Yuliansar, R., & Hermawati. (2020). Karakterisasi Pati Ubi Jalar Putih, Oranye, dan Ungu. *Saintis*, 1(2).
- Zhang, G., Venkatachalam, M., & Hamaker, B. R. (2006). Structural basis for the slow digestion property of starches. *Biomacromolecules*, 7(11), 3259–3266. native cereal
- Zhang, Y., Wang, Y., Yang, B., Han, X., He, Y., Wang, T., ... & Zhao, J. (2023). Effects of zucchini polysaccharide on pasting, rheology, structural properties and in vitro digestibility of potato starch. *International Journal of Biological Macromolecules*, 253, 127077.
- Zheng, Y., Wei, Z., Zhang, R., Deng, Y., Tang, X., Zhang, Y., Liu, G., Liu, L., Wang, J., Liao, N., & Zhang, M. (2020). Optimization of the Autoclave Preparation Process for Improving Resistant Starch Content in Rice Grains. *Food Science & Nutrition*, 8(5), 2383–2394.