

DAFTAR PUSTAKA

- Addo-Preko, E., Amissah, J.G.N. dan 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(June), pp. 1–11. <https://doi.org/10.3389/frfst.2023.1071216>.
- Adriana, L., Pranata, F.S. dan Swasti, Y.R. (2020) 'Kualitas Permen Jelly Sari Buah Pepaya (*Carica papaya L.*) Dengan Penambahan Ekstrak Kelopak Bunga Rosella (*Hibiscus Sabdariffa L.*)', *Jurnal Gizi dan Pangan Soedirman*, 4(1), p. 26. <https://doi.org/10.20884/1.jgps.2020.4.1.2601>.
- Adriani, A. *et al.* (2025) 'Pengembangan Bisnis Choubi sebagai Inovasi Olahan Pangan Lokal berbasis Ubi Ungu,' *Jurnal Pemberdayaan Ekonomi dan Masyarakat*, 2(3), p. 18. <https://doi.org/10.47134/jpem.v2i3.724>.
- Adriani, D. dan Fadilah, T. (2023) 'Peran Kadar Hemoglobin Pada Kebugaran Jasmani Remaja,' *Jurnal Penelitian Dan Karya Ilmiah Lembaga Penelitian Universitas Trisakti*, 8(2), pp. 199–214. <https://doi.org/10.25105/pdk.v8i2.14312>.
- Afolabi, A.T. dan Alabi, O.A. (2024) '*Cookware as source of toxic metals: An overview*,' *Kashmir Journal of Science*, 3(2), pp. 57–80.
- Afriandi, D. dan Aktalina, L. (2023) 'Konsumsi Vitamin C Dan Zat Besi Pada Anemia Defisiensi Besi,' *Majalah Ilmiah Methoda*, 13(3), pp. 242–247. <https://doi.org/10.46880/methoda.Vol13No3.pp242-247>.
- Aini, H. *et al.* (2024) '*Sensory Evaluation Of Lemongrass Beverage Mixed With Agarwood Infusion Using 9-Point Hedonic Scale*,' *Jurnal Silva Samalas Journal of Forestry and Plant Science*, 7(2).
- Aini, H.N. dan Safitri, D.E. (2021) 'Pengaruh Kombinasi Vitamin C pada Suplementasi Zat Besi terhadap Kadar Hemoglobin: Meta-Analisis,' *Nutri-Sains: Jurnal Gizi, Pangan dan Aplikasinya*, 5(2), pp. 115–124. <https://doi.org/10.21580/ns.2021.5.2.6683>.
- Alikha, A.T.S. *et al.* (2024) 'Pengaruh Pemberian Permen Jelly Berbahan Dasar Jeruk Dan Kurma Terhadap Peningkatan Kadar Hemoglobin Pada Remaja Putri Dengan Anemia Di SMP Muhammadiyah 1 Gresik Aina Tusamma Sals,' *Al-Insyirah Midwifery Jurnal Ilmu Kebidanan (Journal of Midwifery Sciences)*, 13, pp. 120–127. <https://jurnal.ikta.ac.id/kebidanan>.
- Almoraie, N.M. *et al.* (2021) '*Snacking patterns throughout the life span: potential implications on health*,' *Nutrition Research*, 91, pp. 81–94.

<https://doi.org/10.1016/j.nutres.2021.05.001>.

- Altaf-Un-Nahar, M. *et al.* (2025) 'Nutritional profile of thankuni (*Centella asiatica*) grown at Netrokona Bangladesh,' *Journal of Medicinal Plants Studies*, 13(4), pp. 133–139. <https://doi.org/10.22271/plants.2025.v13.i4b.1900>.
- Alves, M.B. *et al.* (2023) 'Lycopene from Red Guava (*Psidium guajava* L.): From Hepatoprotective Effect to Its Use as Promising Self-Emulsifying Drug Delivery System for Anti-Inflammatory and Antioxidant Applications,' *Pharmaceuticals*, 16(6). <https://doi.org/10.3390/ph16060905>.
- Ambra, R., Pastore, G. dan Natella, F. (2023) 'The Fate of Chlorophylls in Alkali-Treated Green Table Olives: A Review,' *Molecules*, 28(18). <https://doi.org/10.3390/molecules28186673>.
- Angraini, N. dan Desmaniar, P. (2020) 'Optimasi penggunaan High Performance Liquid Chromatography (HPLC) untuk analisis asam askorbat guna menunjang kegiatan Praktikum Bioteknologi Kelautan,' *Jurnal Penelitian Sains*. <http://ejurnal.mipa.unsri.ac.id/index.php/jps/index>.
- Angulo-López, J.E. *et al.* (2021) 'Guava (*Psidium guajava* L.) fruit and valorization of industrialization by-products,' *Processes*. MDPI AG. <https://doi.org/10.3390/pr9061075>.
- AOAC (2012) *AOAC Official Method 2012.21 Vitamin C in Infant Formula and Adult/Pediatric Nutritional Formula*.
- Arévalo-Marín, E. *et al.* (2021) 'The Taming of *Psidium guajava*: Natural and Cultural History of a Neotropical Fruit,' *Frontiers in Plant Science*. Frontiers Media S.A. <https://doi.org/10.3389/fpls.2021.714763>.
- Arshad, Z. *et al.* (2025) 'Functional Foods Enriched With Bioactive Compounds: Therapeutic Potential and Technological Innovations,' *Food Science and Nutrition*. John Wiley and Sons Inc. <https://doi.org/10.1002/fsn3.71024>.
- Arviyani, T.N. *et al.* (2022) 'Tingkat Penerimaan, Kadar Zat Besi dan Vitamin C Sorbet Berbahan Daun Kelor dan Jambu Biji Merah untuk Anemia Defisiensi Besi,' *Jurnal Aplikasi Teknologi Pangan*, 11(1), pp. 20–25. <https://doi.org/10.17728/jatp.11471>.
- Asra, R. *et al.* (2025) 'Penetapan Kadar Logam Kalsium Dan Besi Pada Daun Kelor (*Moringa Oleifera* Lam) Dengan Spektrofotometer Serapan Atom,' *Journal of Pharmaceutical and Sciences*, 8(1)(1), pp. 181–186. <https://doi.org/10.36490/journal-jps.com>.
- Astuti, D. dan Kulsum, U. (2020) Pola Menstruasi Dengan Terjadinya Anemia Pada Remaja Putri, *Jurnal Ilmu Keperawatan dan Kebidanan*.

- Ayu Saufani, I. *et al.* (2021) 'Pengaruh Penambahan Jus Jambu Biji (*Psidium Guajava* L.) Terhadap Mutu Organoleptik Dan Vitamin C Minuman *Fruity-Whey*,' *Darussalam Nutrition Journal*, 5(2), pp. 129–139.
- Ayuningtyas, I.N. *et al.* (2022) 'Analisis Asupan Zat Besi Heme Dan Non Heme, Vitamin B 12 Dan Folat Serta Asupan Enhancer Dan Inhibitor Zat Besi Berdasarkan Status Anemia Pada Santriwati, ' 11(2), pp. 171–181. <http://ejournal3.undip.ac.id/index.php/jnc/>.
- Aziz, A. *et al.* (2022) 'Formulasi Makanan Cair Alternatif Berbasis Tepung Pegagan Dan Buah Naga Merah Untuk Diet Pasien Dengan Diabetes mellitus, ' *Jkep*, 7(1), pp. 67–80. <https://doi.org/10.32668/jkep.v7i1.921>.
- Babu, A.K. *et al.* (2018) 'Review of leaf drying: Mechanism and influencing parameters, drying methods, nutrient preservation, and mathematical models,' *Renewable and Sustainable Energy Reviews*, 90 (December 2016), pp. 536–556. <https://doi.org/10.1016/j.rser.2018.04.002>.
- Bacon, J.R. *et al.* (2023) 'Atomic spectrometry update - a review of advances in environmental analysis,' *Journal of Analytical Atomic Spectrometry*, 39(1), pp. 11–65. <https://doi.org/10.1039/d3ja90044d>.
- Badan Standardisasi Nasional (2006) Standar Nasional Indonesia (SNI) Petunjuk pengujian organoleptik dan atau sensori ICS 67.240.
- Badan Standardisasi Nasional (2008) Standar Nasional Indonesia (SNI) Kembang gula-Bagian 2: Lunak.
- Basak, S., Shaik, L. dan Chakraborty, S. (2023) 'Effect of ultraviolet and pulsed light treatments on ascorbic acid content in fruit juices-A review of the degradation mechanism, ' *Food Chemistry Advances*, 2(May), p. 100333. <https://doi.org/10.1016/j.focha.2023.100333>.
- Basrowi, R. dan Dilantika, C. (2021) 'Optimizing iron adequacy and absorption to prevent iron deficiency anemia: The role of combination of fortified iron and vitamin C,' *World Nutrition Journal*, 5(S1), pp. 33–39. <https://doi.org/10.25220/wnj.v05.s1.0005>.
- Benson, C.S. *et al.* (2021) 'The effect of iron deficiency and anaemia on women's health,' *Anaesthesia*. Blackwell Publishing Ltd, pp. 84–95. <https://doi.org/10.1111/anae.15405>.
- Bhattacharya, R.D. *et al.* (2017) 'Phytochemical and pharmacological evaluation of organic and non-organic cultivated nutritional *Centella asiatica* collected after different time intervals of harvesting, ' *South African Journal of Botany*, 112, pp. 237–245. <https://doi.org/10.1016/j.sajb.2017.06.003>.
- Biltekin, S.İ. *et al.* (2025) 'Food Industry Byproducts in Confectionery: Functional

- Jelly Candy Development from Black Carrot Pomace and Olive Oil,* 'Foods, 14(20). <https://doi.org/10.3390/foods14203524>.
- Bitwell, C. *et al.* (2023) 'A review of modern and conventional extraction techniques and their applications for extracting phytochemicals from plants,' *Scientific African*, 19, p. e01585. <https://doi.org/10.1016/j.sciaf.2023.e01585>.
- BPOM (2019) 'Informasi Nilai Gizi Pada Label Kemasan Produk Olahan (Menghitung Nilai Gizi),' Badan Pengawas Obat dan Makanan [Preprint], (948). <https://peraturan.go.id/id/peraturan-bpom-no-22-tahun-2019> (Diakses pada 5 Januari 2026).
- BPOM (2022) 'Peraturan Kepala Badan Pengawas Obat Dan Makanan Republik Indonesia Nomor 1 Tahun 2022 Tentang Acuan Label Gizi,' (2), p. 21.
- BPS Kota Depok (2026) Kota Depok Dalam Angka 2026 [Online]. Tersedia di: <https://depokkota.bps.go.id/id/publication/2026/02/27/e6d256a31e64efcfb44c1dea/kota-depok-dalam-angka-2026.html> (Diakses pada 5 Januari 2026).
- Camaschella, C. (2019) 'Iron deficiency,' *Blood*, 133(1), pp. 30–39. <https://doi.org/10.1182/blood-2018-05-815944>.
- Cappellini, M.D., Musallam, K.M. dan Taher, A.T. (2020) 'Iron deficiency anaemia revisited,' *Journal of Internal Medicine*, 287(2), pp. 153–170. <https://doi.org/10.1111/joim.13004>.
- Chandrasekara, C.H.W.M.R.B., Sumanarathne, R.A.P.I., dan Bandaranayake, P.C.G. (2020) 'Centella asiatica morphotypes differ genetically as well as macronutrients content, total phenolic content and chemical fingerprints of leaves,' *Journal of Agricultural Sciences - Sri Lanka*, 15(1), pp. 75–87. <https://doi.org/10.4038/jas.v15i1.8673>.
- Charlebois, E. dan Pantopoulos, K. (2023) 'Nutritional Aspects of Iron in Health and Disease,' *Nutrients*. MDPI. <https://doi.org/10.3390/nu15112441>.
- Chaudhry, H. dan Rangra, N.K. (2023) 'Development and validation of a stability indicating green analytical method for the simultaneous estimation of l-glutathione, n-acetyl l-cysteine and Vitamin C in marketed formulation using UV–visible spectroscopy,' *Future Journal of Pharmaceutical Sciences*, 9(1). <https://doi.org/10.1186/s43094-023-00523-y>.
- Chen, Y. *et al.* (2019) 'Iron metabolism and its contribution to cancer (Review),' *International Journal of Oncology*. Spandidos Publications, pp. 1143–1154. <https://doi.org/10.3892/ijo.2019.4720>.
- Choi, B. dan Shin, Y. (2025) 'Comparative Analysis of Physicochemical Characteristics, Antioxidant Compound Contents, and Antioxidant Activities of Five Guava (*Psidium guajava* L.) Cultivars Harvested in Korea,' *Foods*,

14(21). <https://doi.org/10.3390/foods14213645>.

- Correnti, M. *et al.* (2024) 'Iron Absorption: Molecular and Pathophysiological Aspects,' *Metabolites*. Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/metabo14040228>.
- De Angelis, D. *et al.* (2022) 'Optimization of formulation and physicochemical, nutritional and sensory evaluation of vegan chickpea-based salad dressings,' *Journal of Food Science and Technology*, 59(7), pp. 2685–2693. <https://doi.org/10.1007/s13197-021-05288-x>.
- DeLoughery, T.G. *et al.* (2024) 'AGA Clinical Practice Update on Management of Iron Deficiency Anemia: Expert Review,' *Clinical Gastroenterology and Hepatology*, 22(8), pp. 1575–1583. <https://doi.org/10.1016/j.cgh.2024.03.046>.
- Deng, J. *et al.* (2024) 'Efficacy of vitamin C with Fe supplementation in patients with iron deficiency anemia: a systematic review and meta-analysis,' *Blood Vessels, Thrombosis and Hemostasis*, 1(4), p. 100023. <https://doi.org/10.1016/j.bvth.2024.100023>.
- DePhillipo, N.N. *et al.* (2018) 'Efficacy of Vitamin C Supplementation on Collagen Synthesis and Oxidative Stress After Musculoskeletal Injuries: A Systematic Review,' *Orthopaedic Journal of Sports Medicine*. SAGE Publications Ltd. <https://doi.org/10.1177/2325967118804544>.
- Dewi, I.A. *et al.* (2023) *Formulation Of Moringa Leaf And Guava Jelly Candy As An Alternative Snack High Iron And Vitamin C For Children*.
- Dötsch-Klerk, M. *et al.* (2023) 'Improving the nutrient quality of foods and beverages using product specific standards for positive nutrients and ingredients will help to increase mean population intakes toward dietary guidelines,' *Frontiers in Nutrition*, 10. <https://doi.org/10.3389/fnut.2023.1292231>.
- Ebrahimi, S. dan Dabbagh, H.A. (2019) 'Oxidative and non-oxidative degradation pathways of L-ascorbic acid,' *International Journal of Food Science and Technology*, 54(9), pp. 2770–2779. <https://doi.org/10.1111/ijfs.14189>.
- Efe, N. dan Dawson, P. (2022) 'A Review: Sugar-Based Confectionery and the Importance of Ingredients,' *European Journal of Agriculture and Food Sciences*, 4(5), pp. 1–8. <https://doi.org/10.24018/ejfood.2022.4.5.552>.
- Elinaningtyas, R. dan Wibowo, A.A. (2024) 'Pengaruh Jenis Pelarut Dan Jumlah Pelarut Pada Ekstraksi Maserasi Limbah Kulit Bawang Merah Terhadap Biopestisida Yang Dihasilkan,' *Distilat: Jurnal Teknologi Separasi*, 10(1), pp. 296–302. <https://doi.org/10.33795/distilat.v10i1.4884>.

- Emam, Y. *et al.* (2025) '*Metabolomics in guava: a comprehensive review of quality, agricultural traits, composition, and nutraceutical applications of Psidium guajava fruits and byproducts*,' *Phytochemistry Reviews* [Preprint]. Springer Science and Business Media B.V. <https://doi.org/10.1007/s11101-025-10153-2>.
- Emilia, C. *et al.* (2022) Optimasi Waktu Maserasi Pada Ekstraksi Daun Pegagan (*Centella Asiatica*) Terhadap Uji Aktivitas Antioksidan.
- Enache, I.M. *et al.* (2025) '*Jelly Candies with Apple Pomace—A Circular Economy Solution for a Food Processing Waste*,' *Agriculture (Switzerland)*, 15(6), pp. 1–23. <https://doi.org/10.3390/agriculture15060653>.
- Ernawati H R (2023) Budidaya Pegagan Tanaman Obat Berkhasiat. Pertanian Press 2023.
- FAO (2011) '*Joint FAO/WHO Food Standards Programme Codex Committee On Food Additives*,' 5, pp. 1–54.
- Fekete, M. *et al.* (2025) '*Functional Foods in Modern Nutrition Science: Mechanisms, Evidence, and Public Health Implications*,' *Nutrients* . Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/nu17132153>.
- Feszterová, M., Mišiaková, M. dan Kowalska, M. (2023) '*Bioactive Vitamin C Content from Natural Selected Fruit Juices*,' *Applied Sciences (Switzerland)*, 13(6), pp. 1–20. <https://doi.org/10.3390/app13063624>.
- Giannakourou, M.C. dan Taoukis, P.S. (2021) '*Effect of alternative preservation steps and storage on vitamin c stability in fruit and vegetable products: Critical review and kinetic modelling approaches*,' *Foods*, 10(11). <https://doi.org/10.3390/foods10112630>.
- Ginting (2020) Faktor-Faktor Yang Mempengaruhi Permintaan Buah Jambu Biji Merah Di Kota Medan (Studi Kasus: Pasar Petisah, Kecamatan Medan Petisah, Kota Medan, Provinsi Sumatera Utara). Skripsi. Medan: Program Studi Agribisnis, Fakultas Pertanian, Universitas Medan Area.
- Giyarto, *et al.* (2019) Karakteristik Permen Jelly Jantung Buah Nanas Dengan Variasi Konsentrasi Karagenan Dan Suhu Pemanasan. *Jurnal Agroteknologi*.
- Gous, A.G.S. *et al.* (2019) '*Effects of varying the color, aroma, bitter, and sweet levels of a grapefruit-like model beverage on the sensory properties and liking of the consumer*,' *Nutrients*, 11(2). <https://doi.org/10.3390/nu11020464>.
- Gray, N.E. *et al.* (2018) '*Centella asiatica – Phytochemistry and mechanisms of neuroprotection and cognitive enhancement*,' *Phytochemistry Reviews*, 17(1),

pp. 161–194. <https://doi.org/10.1007/s11101-017-9528-y>.Centella.

- Gutierrez-Montiel, D. *et al.* (2023) '*Psidium guajava L.: From byproduct and use in traditional Mexican medicine to antimicrobial agent,*' *Frontiers in Nutrition*, 10(6). <https://doi.org/10.3389/fnut.2023.1108306>.
- Hakim, L. dan Ismawati, R. (2022) 'Daya Terima Dan Kandungan Gizi Kue Ku Dengan Pemanfaatansari Daun Pegagan (*Centella Asiatica L. Urban*) Sebagai Pewarna Alami Untuk Kudapan Sehat Saat Pandemi Sars Covid-19,' *Jurnal Gizi Unesa*, 02 Nomor 03, pp. 129–138.
- Hamid, M.G., Elsafy, M. dan Abdelhalim, T. (2025) '*Integrating sensory evaluation into biofortification breeding: assessing consumer acceptance and market segmentation of porridge made from biofortified pearl millet cultivars,*' *Frontiers in Nutrition*, 12(August), pp. 1–15. <https://doi.org/10.3389/fnut.2025.1594589>.
- Handayani, N.A. *et al.* (2023) '*Fortifying jelly foods with microencapsulated anti-anaemic compounds, ferrous gluconate, ascorbic acid and folic acid,*' *Journal of Food Science and Technology*, 60(1), pp. 147–159. <https://doi.org/10.1007/s13197-022-05599-7>.
- Haninda, P. *et al.* (2018) 'Pengaruh Pemberian Jus Jambu Biji Merah (*Psidium Guajava.L*) Terhadap Kadar Hemoglobin dan Ferritin Serum Penderita Anemia Remaja Putri', '*Jurnal Kesehatan Andalas*'. <http://jurnal.fk.unand.ac.id>.
- Hein, Z.M. *et al.* (2025) '*Centella asiatica: Advances in Extraction Technologies, Phytochemistry, and Therapeutic Applications,*' *Life. Multidisciplinary Digital Publishing Institute (MDPI)*. <https://doi.org/10.3390/life15071081>.
- Hess, J.M., Jonnalagadda, S.S. dan Slavin, J.L. (2016) '*What is a snack, why do we snack, and how can we choose better snacks? A review of the definitions of snacking, motivations to snack, contributions to dietary intake, and recommendations for improvement,*' *Advances in Nutrition*, 7(3), pp. 466–475. <https://doi.org/10.3945/an.115.009571>.
- Hess, S. *et al.* (2024) '*Accelerating action to reduce anemia: Review of causes and risk factors and related data needs,*' 1523(1), pp. 11–23. <https://doi.org/10.1111/nyas.14985>.Accelerating.
- Hidayati, N. *et al.* (2021) 'Pengaruh Kombinasi Jus Buah Pepaya (*Carica Papaya L*) Dan Sari Daun Katuk (*Sauropus Androgynus*) Pada,' *Jurnal Info Kesehatan*, 11(02).
- Hosry, L. *et al.* (2023) '*Sample Preparation and Analytical Techniques in the Determination of Trace Elements in Food: A Review,*' *Foods*, 12(4). <https://doi.org/10.3390/foods12040895>.

- Hosry, L. *et al.* (2025) 'Maillard Reaction: Mechanism, Influencing Parameters, Advantages, Disadvantages, and Food Industrial Applications: A Review,' *Foods*, 14(11), pp. 1–43. <https://doi.org/10.3390/foods14111881>.
- Hossain, M.S. *et al.* (2025) 'Fortified and functional Foods: Trends, innovations, and their public health impact for future nutrient enrichment,' *Journal of Agriculture and Food Research*. Elsevier B.V. <https://doi.org/10.1016/j.jafr.2025.102275>.
- Iolascon, A. *et al.* (2024) 'Recommendations for diagnosis, treatment, and prevention of iron deficiency and iron deficiency anemia,' *HemaSphere*, 8(7), pp. 1–16. <https://doi.org/10.1002/hem3.108>.
- Ismanto, H. (2023) 'Uji Organoleptik Keripik Udang (*L. Vannamei*) Hasil Penggorengan Vakum,' *Jurnal AgroSainTa: Widyaiswara Mandiri Membangun Bangsa*, 6(2), pp. 53–58. <https://doi.org/10.51589/ags.v6i2.3137>.
- Ismillayli, N. *et al.* (2020) 'Determination of Ascorbic Acid Content Using The Reverse Phase-High Performance Liquid Chromatography (RP-HPLC) Method,' pp. 168–176. <https://doi.org/10.24252/al-kimiav8i2.15097>.
- Kathuria, D. *et al.* (2023) 'Maillard reaction in different food products: Effect on product quality, human health and mitigation strategies,' *Food Control*, 153(May). <https://doi.org/10.1016/j.foodcont.2023.109911>.
- Kaur, N., Agarwal, A. dan Sabharwal, M. (2022) 'Food fortification strategies to deliver nutrients for the management of iron deficiency anaemia,' *Current Research in Food Science*, 5(September), pp. 2094–2107. <https://doi.org/10.1016/j.crfs.2022.10.020>.
- Kejık, Z. *et al.* (2021) 'Iron complexes of flavonoids-antioxidant capacity and beyond,' *International Journal of Molecular Sciences*, 22(2), pp. 1–20. <https://doi.org/10.3390/ijms22020646>.
- Kementerian Kesehatan RI (2019) Peraturan Menteri Kesehatan Republik Indonesia Nomor 28 Tahun 2019 tentang Angka Kecukupan Gizi yang Dianjurkan untuk Masyarakat Indonesia.
- Kementerian Kesehatan RI (2024) Survei Kesehatan Indonesia (SKI) 2023 Dalam Angka.
- Kementerian Kesehatan RI (2024) 'Tabel Komposisi Pangan Indonesia,' *Perpustakaan Kementerian Kesehatan RI* [Preprint].
- Khairiyanti dan Siregar, H. S. (2025) 'Validasi Metode Penetapan Kadar Besi (Fe) dalam Telur Bebek menggunakan Spektrofotometri Serapan Atom (SSA),' *Nian Tana Sikka : Jurnal ilmiah Mahasiswa*, 3(2), pp. 115–124.

<https://doi.org/10.59603/niantanasikka.v3i2.770>.

- Khoirunnisa, A. *et al.* (2023) 'Analisis Kadar Seng (Zn) dan Besi (Fe) Pada Kangkung Air (*Ipomoea aquatica* Forssk.) Berdasarkan Tempat Tumbuh dengan Metode AAS (*Atomic Absorption Spectrophotometry*),' 25(2).
- Kim, M.A. *et al.* (2019) 'Consumer acceptance measurement focusing on a specified sensory attribute of products: Can the attribute-specified degree of satisfaction-difference (DOSD) method replace hedonic scaling?,' *Food Quality and Preference*, 75(March), pp. 198–208. <https://doi.org/10.1016/j.foodqual.2019.03.009>.
- Koo, Y.J. *et al.* (2020) 'Determination of toxic metal release from metallic kitchen utensils and their health risks,' *Food and Chemical Toxicology*, 145(July), p. 111651. <https://doi.org/10.1016/j.fct.2020.111651>.
- Kunjumon, R., Johnson, A.J. dan Baby, S. (2022) 'Centella asiatica: Secondary metabolites, biological activities and biomass sources,' *Phytomedicine Plus*, 2(1), p. 100176. <https://doi.org/10.1016/j.phyplu.2021.100176>.
- Kurniawan, H. *et al.* (2024) *Journal Pharmacy Of Tanjungpura Analisis Vitamin C Menggunakan Kromatografi Cair Kinerja Tinggi Dengan Variasi Variabel Perbandingan Terhadap Sirup Multivitamin Analysis Of Vitamin C Using High Performance Liquid Chromatography With Variable Variation Comparison Of Multivitamin Syrup, Jpop.*
- Küster-Boluda, I. dan Vila, N. (2020) 'Appearance of Low-Fat Foods Stimulate, *Foods*, 9(7), pp. 1–14.
- Kyomugasho, C. *et al.* (2017) 'Pectin nanostructure influences pectin-cation interactions and in vitro-bioaccessibility of Ca²⁺, Zn²⁺, Fe²⁺ and Mg²⁺-ions in model systems,' *Food Hydrocolloids*, 62, pp. 299–310. <https://doi.org/10.1016/j.foodhyd.2016.07.030>.
- Li, N. *et al.* (2020) 'The Efficacy and Safety of Vitamin C for Iron Supplementation in Adult Patients With Iron Deficiency Anemia: A Randomized Clinical Trial,' *JAMA Network Open*, 3(11), p. E2023644. <https://doi.org/10.1001/jamanetworkopen.2020.23644>.
- Li, W. *et al.* (2025) 'A systematic review and meta—analysis of the prevalence and associated factors of iron—deficiency anemia among Chinese children under 6 years of age,' *Frontiers in Pediatrics*. Frontiers Media SA. <https://doi.org/10.3389/fped.2025.1674121>.
- Liberal, Â. *et al.* (2020) 'Fighting Iron-Deficiency Anemia: Innovations in Food Fortificants and Biofortification Strategies,' *Alimentos*, pp. 1–19. <https://www.mdpi.com/2304-8158/9/12/1871>.

- Listin, F.I., Saati, E.A. dan 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. <https://doi.org/10.22219/fths.v2i1.12964>.
- Loi, M. *et al.* (2020) 'A novel and potentially multifaceted dehydroascorbate reductase increasing the antioxidant systems is induced by beauvericin in tomato,' *Antioxidants*, 9(5). <https://doi.org/10.3390/antiox9050435>.
- Maharani, E. *et al.* (2024) 'A Comprehensive Review on Atomic Absorption Spectroscopy: Principles, Techniques, and Applications,' *Jurnal Ilmiah Wahana Pendidikan*, 2024(15), pp. 20–29. <https://doi.org/10.5281/zenodo.13764070>.
- Malik, Z.I. *et al.* (2025) 'Unlocking iron: nutritional origins, metabolic pathways, and systemic significance,' *Frontiers in Nutrition*. Frontiers Media SA. <https://doi.org/10.3389/fnut.2025.1637316>.
- Mansoor, J. *et al.* (2026) 'Effect of guava juice intake on haemoglobin levels in Indonesian females: a systematic review and meta-analysis,' *BMJ Nutrition, Prevention and Health* [Preprint]. <https://doi.org/10.1136/bmjnp-2025-001466>.
- Marcia-Fuentes, J.A. *et al.* (2026) 'Functional foods: A review of foods ingredient and their health benefits,' *Food and Humanity*. Elsevier B.V. <https://doi.org/10.1016/j.foohum.2025.100953>.
- Mariano, A.F.C., Dutra, M.B.L. dan Melo, B.G. (2024) 'Sensory Characterization of Conventional and Diets in Sugar Guava Sweet by Check-All- That-Apply and Emotion Measurement Methods,' 6(4), pp. 48–54.
- Mawouma, S. *et al.* (2024) 'Bioaccessibility and Speciation of Iron from Aqueous Extracts of *Moringa oleifera* Leaves,' *Journal of Food Biochemistry*, 2024. <https://doi.org/10.1155/2024/9312118>.
- Medina, A. D. *et al.* (2025) 'Umur Simpan Dan Kesukaan Permen Jelly Ekstrak Daging Dan Kulit Buah Naga', *Pasundan Food Technology Journal* (Pftj).
- Melse-Boonstra, A. (2020) 'Bioavailability of Micronutrients From Nutrient-Dense Whole Foods: Zooming in on Dairy, Vegetables, and Fruits,' *Frontiers in Nutrition*, 7(July), pp. 1–12. <https://doi.org/10.3389/fnut.2020.00101>.
- Mieszczakowska-Frać, M., Celejewska, K. dan Płocharski, W. (2021) 'Impact of innovative technologies on the content of vitamin C and its bioavailability from processed fruit and vegetable products,' *Antioxidants*. MDPI, pp. 1–19. <https://doi.org/10.3390/antiox10010054>.
- Min, D.H. *et al.* (2024) 'Pharmacological effects of pentacyclic triterpenoids

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**FORMULASI PERMEN JELLY BERBASIS EKSTRAK DAUN PEGAGAN (*CENTELLA ASIATICA*)
DAN JAMBU BIJI TERHADAP KADAR ZAT BESI DAN VITAMIN C SEBAGAI KUDAPAN
ALTERNATIF PENCEGAH ANEMIA**

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- isolated from Centella asiatica,' Horticulture Environment and Biotechnology*, 65(2), pp. 189–197. <https://doi.org/10.1007/s13580-023-00561-8>.
- Modi, B. *et al.* (2021) 'Current Trends of Food Analysis, Safety, and Packaging,' *International Journal of Food Science*, 2021. <https://doi.org/10.1155/2021/9924667>.
- Moon, P. *et al.* (2018) 'Assessment of fruit aroma for twenty-seven guava (*Psidium guajava*) accessions through three fruit developmental stages,' *Scientia Horticulturae*, 238, pp. 375–383. <https://doi.org/10.1016/J.SCIENTA.2018.04.067>.
- Mukunzi, Y. dan Aryee, A.N.A. (2026) 'Quantifying nutrients and beyond: Analytical approaches for food composition tables and databases,' *Journal of Food Composition and Analysis*, 151(January), p. 108962. <https://doi.org/10.1016/j.jfca.2026.108962>.
- Nagy, L.B. dan Temesi, Á. (2024) 'Color Matters: A Study Exploring the Influence of Packaging Colors on University Students' Perceptions and Willingness to Pay for Organic Pasta,' *Foods*, 13(19). <https://doi.org/10.3390/foods13193112>.
- Nath, P.C. *et al.* (2023) 'A Comprehensive Review of Food Hydrogels: Principles, Formation Mechanisms, Microstructure, and Its Applications,' *Gels*, 9(1). <https://doi.org/10.3390/gels9010001>.
- Nieddu, A. *et al.* (2020) 'Dietary habits, anthropometric features and daily performance in two independent long-lived populations from nicoya peninsula (Costa rica) and ogliastria (sardinia),' *Nutrients*, 12(6). <https://doi.org/10.3390/nu12061621>.
- Ninga, K.A. *et al.* (2021) 'Pectinase hydrolysis of guava pulp: effect on the physicochemical characteristics of its juice,' *Heliyon*, 7(10), p. e08141. <https://doi.org/10.1016/j.heliyon.2021.e08141>.
- Nissa, K. dan Legasari, L. (2025) Analytical Evaluation of Soil Iron (Fe) Levels Using AAS: Integrating Scientific Methods with Islamic Environmental Values, *International Seminar on Social*. <https://proceedings.radenfatah.ac.id/index.php/ISSHMIC>.
- Nongrum, Y. *et al.* (2020) 'Development and nutritional characterization of noodles enriched with *Centella asiatica* powder Assessment of nutritional status of Mising tribe of Assam View project Fish processing View project Development and nutritional characterization of noodles enriched with *Centella asiatica* powder,' *International Journal of Chemical Studies*, 8(2), pp. 2183–2186. Available at: www.chemijournal.com.
- Nuh, M. *et al.* (2020) 'Studi Pembuatan Permen Jelly Dari Sari Buah Nangka,' 9(1).

- Nurhalimah, S., Muthiatulmillah, S. dan Kusumaningrum, I. (2024) Karakteristik Fisikokimia dan Sensori Minuman Serbuk Instan Kombinasi Ekstrak Daun Pegagan (*Centella asiatica* L.) dan Ekstrak Bunga Telang (*Clitoria ternatea* L.).
- Nurita, S.R., Julaecha, J. dan Perwitasari, T. (2025) 'Pemanfaatan Pangan Lokal untuk Pencegahan Anemia pada Remaja Putri di SMAS Adhyaksa 1 Kota Jambi,' *Jurnal Akademika Baiturrahim Jambi*, 14(1), pp. 113–125. <https://doi.org/10.36565/jab.v14i1.926>.
- Ode, W. et al. (2025) *Anemia Dengan Media Kartu Kuartet Anemia Pada Remaja Putri Di Smp Negeri 11 Kendari Kota Kendari, Indonesian Journal of Health Science*.
- Ojong, C., Besong, S.A. dan Aryee, A.N.A. (2026) 'Solvent-Based Extraction Recovers Phytochemicals from Medicinal Plants Demonstrating Anticancer and Chemopreventive Potential: A Review,' *Molecules*, 31(7), pp. 1–45. <https://doi.org/10.3390/molecules31071202>.
- Pangestika, W. et al. (2025) 'Inovasi Pangan Fungsional Lokal : Strategi Pasar dan Bisnis Berkelanjutan (Studi Kasus Universitas Sultan Ageng Tirtayasa),' *Jurnal Bisnis & Kewirausahaan*, 21, p. 2025. <http://ojs2.pnb.ac.id/index.php/JBK>.
- Phaisan, S. et al. (2021) 'Development of a colorless *Centella asiatica*(L.) Urb. extract using a natural deep eutectic solvent (NADES) and microwave-assisted extraction (MAE) optimized by response surface methodology,' *RSC Advances*, 11(15), pp. 8741–8750. <https://doi.org/10.1039/d0ra09934a>.
- Piskin, E. et al. (2022) 'Iron Absorption: Factors, Limitations, and Improvement Methods,' *ACS Omega*. American Chemical Society, pp. 20441–20456. <https://doi.org/10.1021/acsomega.2c01833>.
- Plaza, M.L. et al. (2025) 'Effect of Enzyme Treatment on Physicochemical and Phytochemical Properties of Guava Puree,' *Food Science and Nutrition*, 13(11), pp. 1–13. <https://doi.org/10.1002/fsn3.70939>.
- Prinyawiwatkul, W. dan Tepper, B. (2023) 'Advances in sensory science : From perception to consumer acceptance,' pp. 2–4. <https://doi.org/10.1111/1750-3841.16540>.
- Punchay, K. et al. (2020) 'Nutrient and mineral compositions of wild leafy vegetables of the karen and lawa communities in thailand,' *Foods*, 9(12). <https://doi.org/10.3390/foods9121748>.
- Punetha, P., O'Callaghan, T.F. dan McCarthy, E.K. (2026) 'Micronutrients in Future Diets: Considerations for Dietary Iron and the Food Matrix Effects

- on Bioavailability,' *Molecular Nutrition and Food Research*, 70(8), pp. 1–11.
<https://doi.org/10.1002/mnfr.70483>.
- Purbajanti, E.D., Setiadi, A. dan Roessali, W. (2016) '*Variability and nutritive compounds of guava (Psidium guajava L.)*,' *Indian Journal of Agricultural Research*, 50(3), pp. 273–277.
<https://doi.org/10.18805/IJARE.V0IOF.10280>.
- Purwaningsih, R.A. (2023) *Pemberian Buah Kurma Terhadap Peningkatan Kadar Hemoglobin Pada Remaja Putri Di Ponpes Bustanul Ulum Bulugading Jember Skripsi*.
- Putra, A.K. et al. (2025) Tinjauan Biomolekuler Dampak Anemia Defisiensi Zat Besi Terhadap Wanita Usia Subur.
- Putra, R.P. et al. (2025) '*Effect of vitamin C as an iron-supporting supplement in adolescents with suspected iron deficiency anemia: Is it effective for increasing hemoglobin levels?*,' *Original Article Iraqi National Journal of Medicine*, 7(2). <https://doi.org/10.37319/inqjm.7.2.10>.
- Rafika, M., Lestari, L.A. dan Helmyati, S. (2023) '*Fortifikasi besi dan prebiotik pada kukis terhadap histologi usus tikus anemia*,' *Jurnal Gizi Klinik Indonesia*, 19(4), p. 173. <https://doi.org/10.22146/ijcn.42606>.
- Ramadhan, F. (2023) '*Pendekatan Diagnostik, Tatalaksana dan Pencegahan Anemia Defisiensi Besi*,' *Jurnal Kedokteran Nanggroe Medika*, 6(4), pp.27–36.
- Rani, V. et al. (2024) '*Vitamin C-Rich Guava Consumed with Mungbean Dal Reduces Anemia and Increases Hemoglobin but not Iron Stores: A Randomized Controlled Trial of Food-to-Food Fortification in Indian Children*,' *Journal of Nutrition*, 154(12), pp. 3740–3748.
<https://doi.org/10.1016/j.tjnut.2024.10.042>.
- Riyamol, N. et al. (2023) '*Recent Advances in the Extraction of Pectin from Various Sources and Industrial Applications*,' *ACS Omega*, 8(49), pp. 46309–46324.
<https://doi.org/10.1021/acsomega.3c04010>.
- Rodrigues, S.S.Q., Dias, L.G. dan Teixeira, A. (2024) '*Emerging Methods for the Evaluation of Sensory Quality of Food: Technology at Service*,' *Current Food Science and Technology Reports*, 2(1), pp. 77–90.
<https://doi.org/10.1007/s43555-024-00019-7>.
- Rowe, S. dan Carr, A.C. (2020) '*Factors Affecting Vitamin C Status and Prevalence of Deficiency: A Global Health Perspective*,' *Nutrients*, 1, pp. 1–19.
- Rudeva, A. D. dan Ardi (2025) '*Hubungan Anemia dengan Hasil Belajar Siswi : Literature Review*,' *Jurnal Pengabdian Masyarakat dan Riset Pendidikan*,

4(1), pp. 1312–1317. <https://doi.org/10.31004/jerkin.v4i1.1438>.

- Rusli, Z. and Rahmawati, B. (2022) Penentuan Kadar Vitamin C Menggunakan Metode Kromatografi Cair Kinerja Tinggi (Kckt) Terhadap Ekstrak Bonggol Nanas (*Ananas Comosus (L.) Merr*) Dengan Perbedaan Metode Ekstraksi, Penentuan Kadar Vitamin C Menggunakan.....*Pharmacoscript*.
- Sabaragamuwa, R. dan Perera, C.O. (2023) 'Total Triterpenes, Polyphenols, Flavonoids, and Antioxidant Activity of Bioactive Phytochemicals of *Centella asiatica* by Different Extraction Techniques,' *Foods*, 12(21). <https://doi.org/10.3390/foods12213972>.
- Saha, D. dan 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. <https://doi.org/10.1007/s13197-010-0162-6>.
- Salwa, N. et al. (2025) 'Effects of moringa leaf powder substitution on organoleptic characteristics, iron, and vitamin C of calamansi orange gummy candy,' *AcTion: Aceh Nutrition Journal*, 10(4), p. 1157. <https://doi.org/10.30867/action.v10i4.2816>.
- Saraswati, A.R. et al. (2025) "Verification Method for Analysis of Iron (Fe) in Water Irrigation at Sukarama, South Lampung Using Atomic Absorption Spectrophotometry," *Agriwar Journal*, 5(1), pp. 24–29. Available at: <https://doi.org/10.22225/aj.5.1.2025.24-29>.
- Sen, S., Roy, S. dan Datta, S. (2020) "A Study on the Quantitative Estimation of Iron in the leaves of *Centella asiatica* (Thankuni) along with its effect on the Blood Hemoglobin Level in Rat Model," *IOSR Journal of Environmental Science*, 14, pp. 54–57. <https://doi.org/10.9790/2402-1411015457>.
- Setiawan, R.A. and Wardani, R. (2025) *Engineering Of Sugarcane Juice Extraction Process (Saccharum officinarum L.) Using Cellulase And Xylanase Enzymes*
- Shafira, S.M., Islamy, B.A.N. dan Tanzhiha, I. (2025) 'Efektivitas Edukasi Anemia terhadap Peningkatan Pengetahuan Remaja di Desa Kaliwulu, Cirebon,' *Jurnal Pusat Inovasi Masyarakat*, 7(1), pp. 177–185. <https://doi.org/10.29244/jpim.7.1.177-185>.
- Sharma, V. et al. (2023) 'Multi-Criteria Decision Making Methods for Selection of Lightweight Material for Railway Vehicles,' *Materials*, 16(1), pp. 1–23. <https://doi.org/10.3390/ma16010368>.
- Shirur, et al. (2011) 'A Review On The Medicinal Plant *Psidium Guajava* Linn. (*Myrtaceae*),' *Journal of Drug Delivery & Therapeutics*, 2013(3), pp. 162–168. <http://jddtonline.info>.
- Silva Lopes, K. et al. (2021) 'Nutrition-specific interventions for preventing and controlling anaemia throughout the life cycle: an overview of systematic

- reviews,' *Cochrane Database of Systematic Reviews*, 2021(9). <https://doi.org/10.1002/14651858.CD013092.pub2>.
- Singh, R. et al. (2023) 'The Effect of Production and Post-Harvest Processing Practices on Quality Attributes in *Centella asiatica* (L.) Urban—A Review,' *Agronomy*, 13(8). <https://doi.org/10.3390/agronomy13081999>.
- Sipayung, M. dan Eddyanto (2022) 'Utilization of Betadine as an Indicator of the Presence of Vitamin C (Ascorbic Acid) In Fruits and Vegetables,' *Indonesian Journal of Chemical Science and Techonology*, 05(1), pp. 31–41.
- Siswatiningsih, O., Syarah, M. dan Darmi, S. (2024) 'Efektivitas Jus Jambu Biji Merah Dan Air Jeruk Lemon Terhadap Peningkatan Kadar Hemaglobin Pada Remaja Putri Dengan Anemia Di UPT Puskesmas Petir Kabupaten Serang Tahun 2023,' *Innovative: Journal Of Social Science Research*, 4 Nomor 3, pp. 7782–7793. <https://j-innovative.org/index.php/Innovative/article/view/11260/7756> (Accessed: January 3, 2026).
- Skolmowska, D. dan Głabska, D. (2022) 'Effectiveness of Dietary Intervention with Iron and Vitamin C Administered Separately in Improving Iron Status in Young Women,' *International Journal of Environmental Research and Public Health*, 19(19). <https://doi.org/10.3390/ijerph19191877>.
- Soares, S. et al. (2020) 'Tannins in Food : Insights into the Molecular Perception of Astringency and Bitter Taste,' (Figure 1), pp. 1–26.
- Spena, S. dan Grizzuti, N. (2025) ' κ -Carrageenan and Its Synergistic Blends: Next-Generation Food Gels,' *Gels*, 11(12). <https://doi.org/10.3390/gels11120976>.
- Spence, C. (2019) 'On the Relationship (s) Between Color and Taste / Flavor,' 66, pp. 99–111.
- Spence, C. (2022) 'Current Research in Food Science The tongue map and the spatial modulation of taste perception,' *Current Research in Food Science*, 5(March), pp. 598–610. <https://doi.org/10.1016/j.crfs.2022.02.004>.
- Sriasih, N.G.K., Suindri, N.N. dan Darmapatni, M.W.G. (2025) 'Moringa Leaf and Red Dragon Fruit Peel (K Na) Gummy Candy Increases Hemoglobin in Anemic Teenage Girls,' *Biomedical and Pharmacology Journal*, 18(1), pp. 773–780. <https://doi.org/10.13005/bpj/3127>.
- Sulistiawati et al. (2020) *Makalah Kimia Analisis Bahan Pangan*.
- Sulistio, A. (2021) 'Pemanfaatan Daun Pegagan (*Centella asiatica*) menjadi Olahan Keripik Oleh Masyarakat Desa Wisata Jatimulyo, Girimulyo,' 2021(2), pp. 125–130. Available at: <http://journal.uny.ac.id/index.php/jpmmp>.

- Sumayyah, S.S. (2021) *Pengaruh Kemasan Botol Kaca Dan Kaleng Pada Suhu Panas Terhadap Kadar Vitamin C Menggunakan Kromatografi Cair Kinerja Tinggi (Kckt) Fase Terbalik*.
- Surya, R. et al. (2026) 'Profiling of Consumer Perception and Acceptance of Indigenous Jamu Beverages,' *Beverages*, 12(4), pp. 1–14. <https://doi.org/10.3390/beverages12040046>.
- Susilastuti, D., Aditiameri dan Marhaeni, S. (2021) *Functional Food Support Government Policies To Prevent Stunting*. <https://ahlimediapress.com/prosiding/index.php/icistech/>.
- Talang, H. et al. (2023) 'Nutritional evaluation of some potential wild edible plants of North Eastern region of India,' *Frontiers in Nutrition*, 10(March). <https://doi.org/10.3389/fnut.2023.1052086>.
- Tan, S.C. et al. (2021) *Actions and therapeutic potential of madecassoside and other major constituents of centella asiatica: A review*, *Applied Sciences (Switzerland)*, 11(18). <https://doi.org/10.3390/app11188475>.
- Tarahi, M. et al. (2024) 'Current Innovations in the Development of Functional Gummy Candies,' *Foods*, 13(1). <https://doi.org/10.3390/foods13010076>.
- Tousif, M.I. et al. (2022) 'Psidium guajava L. An Incalculable but Underexplored Food Crop: Its Phytochemistry, Ethnopharmacology, and Industrial Applications,' *Molecules*, 27(20). <https://doi.org/10.3390/molecules27207016>.
- Usmadi, U. (2020) 'Penguji-an Persyaratan Analisis (Uji Homogenitas Dan Uji Normalitas),' *Inovasi Pendidikan*, 7(1), pp. 50–62. <https://doi.org/10.31869/ip.v7i1.2281>.
- Wahyuni, S. (2024) *Defisiensi Besi dan Anemia Defisiensi Besi: Updated Literature Review*.
- Wang, Q.J. et al. (2019) 'The role of intrinsic and extrinsic sensory factors in sweetness perception of food and beverages: A review,' *Foods*, 8(6). <https://doi.org/10.3390/foods8060211>.
- Wati, E., Sistiarani, C. dan Rahardjo, S. (2023) 'Diet behavior and consumption of iron inhibitors: Incidence anemia in adolescent girls,' *Journal of Public Health in Africa*, 14(12), p. 6. <https://doi.org/10.4081/jphia.2023.2593>.
- WHO (2025) *WHO global anaemia estimates*. Geneva: World Health Organization. <https://www.who.int/publications/i/item/9789240113930> (Accessed: 5 Januari 2026).
- WHO (2024) *Guideline on haemoglobin cutoffs to define anaemia in individuals*

- and populations. World Health Organization. Geneva: World Health Organization. <https://www.who.int/publications/i/item/9789240088542> (Accessed: 2 Januari 2026).
- Wiafe, M.A., Ayenu, J. dan Eli-Cophie, D. (2023) 'A Review of the Risk Factors for Iron Deficiency Anaemia among Adolescents in Developing Countries,' *Anemia*. Hindawi Limited. <https://doi.org/10.1155/2023/6406286>.
- Widiada, P.A. (2020) 'Iron-deficiency anemia: a review of diagnosis and management,' *Intisari Sains Medis*, 11(1), pp. 92–96. <https://doi.org/10.15562/ism.v11i1.578>.
- Widyani, M., Ulfa, M. dan Wirasisya, D.G. (2019) 'Efek Penghambatan Radikal Bebas Infusa Dan Ekstrak Etanol Herba Pegagan (*Centella Asiatica* (L.) Urb) Dengan Metode Dpph,' *Jurnal Pijar Mipa*, 2(2132), p. 45. <https://doi.org/10.29303/jpm.v14.i1.1006>.
- Wong, C.Y. dan Chu, D.H. (2021) 'Cutaneous signs of nutritional disorders,' *International Journal of Women's Dermatology*, 7(5), pp. 647–652. <https://doi.org/10.1016/j.ijwd.2021.09.003>.
- Worku, L.A. et al. (2024) 'Ethnomedical Use, Phytochemistry, Nutritional Profile, Commercial Potential, and Other Potential Applications of *Psidium guajava* (Guava),' *Journal of Food Quality*, 2024(1). <https://doi.org/10.1155/jfq/6076403>.
- Wu, F. et al. (2023) 'A High-Performance Liquid Chromatography with Electrochemical Detection Method Developed for the Sensitive Determination of Ascorbic Acid: Validation, Application, and Comparison with Titration, Spectrophotometric, and High-Performance Liquid Chromatography with Diode-Array Detection Methods,' *Foods*, 12(16). <https://doi.org/10.3390/foods12163100>.
- Wulandari, D., Sugiyanto, S. dan Tawarniate, A.Z. (2023) 'Characteristics of Jelly Candy Based on Bovine Split Hide Gelatin,' *Jurnal Ilmu Ternak Universitas Padjadjaran*, 23(1), p. 14. <https://doi.org/10.24198/jit.v23i1.43854>.
- Zahiroh, D. dan Azara, R. (2023) Pengaruh Konsentrasi Gelatin dan Asam Sitrat Pada Pembuatan Permen Jelli Buah Tomat Ceri (*Solanum lycopersicum* var. *cerasiforme*)., *Procedia of Engineering and Life Science*.
- Zhang, M. et al. (2023) 'Extraction and Analysis of Chemical Compositions of Natural Products and Plants,' *Separations*, 10(12). <https://doi.org/10.3390/separations10120598>.
- Zhang, Y. et al. (2024) 'Insights into flavor and key influencing factors of Maillard reaction products: A recent update,' *Frontiers in Nutrition*, 1, p. 1.