

DAFTAR PUSTAKA

- Andreas König, A. G. (2022). Survey of Integrated Viscosity Sensing Methods for the Augmentation of Mobile Food Scanner and In-line Sensing. *Biomedical Journal of Scientific & Technical Research*, 46(4). <https://doi.org/10.26717/bjstr.2022.46.007379>
- Aprilia, V., Apriyanto, M., Fangohoi, L., Diba, D. F., Prayitno, S. H., Nurhayati, N., & Sari, D. A. (2021). *Pangan Berbasis Fermentasi*. Nuta Media.
- Aryanta, I. W. R. (2020). Manfaat Tempe untuk Kesehatan. *Widya Kesehatan*, 2(1), 44–50.
- Asmaq, N., & Marisa, J. (2020). Karakteristik Fisik dan Organoleptik Susu Segar di Medan Sunggal. *Jurnal Peternakan Indonesia (Indonesian Journal of Animal Science)*, 22(2), 168. <https://doi.org/10.25077/jpi.22.2.168-175.2020>
- Astawan, M., & Suhandi, I. (2013). *Jangan Takut Makan Enak: Sehat dengan Makanan Tradisional*. Penerbit Buku Kompas.
- Basak, R., & Bandyopadhyay, R. (2014). Formation and rupture of Ca^{2+} induced pectin biopolymer gels. *Soft Matter*, 10(37), 7225–7233. <https://doi.org/10.1039/c4sm00748d>
- Batubara, S. C., & Pratiwi, N. A. (2018). Pengembangan Minuman Berbasis Teh dan Rempah Sebagai Minuman Fungsional. *Jurnal Industri Kreatif Dan Kewirausahaan*, 1(2), 109–123.
- Baumann, U., & Bisping, B. (1995). Proteolysis During Tempe Fermentation. *Food Microbiology*, 12, 39–47.
- Bourne, M. (2002). *Food texture and viscosity: concept and measurement*. Elsevier.

- Chaiwanon, P., Puwastien, P., Nitithamyong, A., & Sirichakwal, P. P. (2000). Calcium Fortification In Soybean Milk And In Vitro Bioavailability. *Journal of Food Composition and Analysis*, 13(4), 319–327. <https://doi.org/10.1006/jfca.1999.0854>
- Chakraborty, P., Witt, T., Harris, D., Ashton, J., Stokes, J. R., & Smyth, H. E. (2019). Texture and mouthfeel perceptions of a model beverage system containing soluble and insoluble oat bran fibres. *Food Research International*, 120, 62–72. <https://doi.org/10.1016/j.foodres.2019.01.070>
- Dai, J., Tao, L., Shi, C., Yang, S., Li, D., Sheng, J., & Tian, Y. (2020). Fermentation Improves Calcium Bioavailability in Moringa oleifera leaves and Prevents Bone Loss in Calcium-deficient Rats. *Food Science and Nutrition*, 8(7), 3692–3703. <https://doi.org/10.1002/fsn3.1653>
- Darajat, D. P., Susanto, W. H., & Purwantiningrum, I. (2014). Pengaruh Umur Fermentasi Tempe Dan Proporsi Dekstrin Terhadap Kualitas Susu Tempe Bubuk. *Jurnal Pangan Dan Agroindustri*, 2(1), 47–53.
- de Reu, J. C., Ramdaras, D., Rombouts, F. M., & Nout, M. J. R. (1994). Changes in soya bean lipids during tempe fermentation. *Food Chemistry*, 50(2), 171–175.
- Diniyyah, S. R., & Nindya, T. S. (2017). Asupan Energi, Protein dan Lemak dengan Kejadian Gizi Kurang pada Balita Usia 24-59 Bulan di Desa Suci, Gresik. *Amerta Nutr*, 341–350. <https://doi.org/10.2473/amnt.v1i4.2017.341-350>
- Direktorat Jenderal Kesehatan Masyarakat. (2018). *Tabel Komposisi Pangan Indonesia 2017*. Kemenkes RI.
- Eviati, Sulaeman, & Suparto. (2009). *Analisis Kimia Tanah, Tanaman, Air, dan Pupuk*. Balai Penelitian Tanah.

- Fawwaz, M., Natalisnawati, A., & Baits, M. (2017). Kadar Isoflavon Aglikon pada Ekstrak Susu Kedelai dan Tempe Determination of Isoflavon Aglicone in Extract of Soymilk and Tempeh. *Industria: Jurnal Teknologi Dan Manajemen Agroindustri*, 6(3), 152–158. <https://doi.org/10.21776/ub.industria.2017.006.03.6>
- Gawkowska, D., Cybulska, J., & Zdunek, A. (2018). Structure-related gelling of pectins and linking with other natural compounds: A review. In *Polymers* (Vol. 10, Issue 7). MDPI AG. <https://doi.org/10.3390/polym10070762>
- Ginting, N. S. W., & Sindar, A. (2018). Sistem Pakar Diagnosa Penyakit Kacang Kedelai Menggunakan Metode Certainty Factor. *Jurnal KomTekInfo*, 5(2), 36–41.
- Greis, M., Sainio, T., Katina, K., Nolden, A. A., Kinchla, A. J., Seppä, L., & Partanen, R. (2022). Physicochemical Properties and Mouthfeel in Commercial Plant-Based Yogurts. *Foods*, 11(7). <https://doi.org/10.3390/foods11070941>
- Harmain, R. M., Daila, R. M., Syamsuddin, & ZC, F. (2018). *Analisis Bahan Baku dan Hasil Olahan Perikanan*. Artha Samudra.
- Ju, Z. Y., & Kilara, A. (1998). Aggregation Induced by Calcium Chloride and Subsequent Thermal Gelation of Whey Protein Isolate. *Journal of Dairy Science*, 81(4), 925–931. [https://doi.org/10.3168/jds.S0022-0302\(98\)75652-8](https://doi.org/10.3168/jds.S0022-0302(98)75652-8)
- Jungbunzlauer. (1999). Facts Mineral Fortification in Dairy Alternatives. *Innovations in Food Technology*, 14.
- Kaharso, V. C., & Hua, Y. (2022). Stabilization and sensory evaluation of calcium-enriched soymilk prepared using

- different chelating agents. *Food Research*, 6(2), 383–388.
[https://doi.org/10.26656/fr.2017.6\(2\).283](https://doi.org/10.26656/fr.2017.6(2).283)
- Kohn, R. (1987). BINDING OF DIVALENT CATIONS TO OLIGOMERIC FRAGMENTS OF PECTIN. In *Carbohydrate Research* (Vol. 160).
- Kristiningrum, E., & Susanto, D. A. (2016). Kemampuan Produsen Tempe Kedelai Dalam Menerapkan SNI 3144:2009. *Jurnal Standardisasi*, 17(2), 99.
<https://doi.org/10.31153/js.v17i2.309>
- Li, J., Heng, X., Ni, Z., & Chen, H. (2023). Study on the Antibacterial Rule in Fermented Feed with Different Amounts of CaCO₃ by Quantitative Real-Time Polymerase Chain Reaction. *Fermentation*, 9(11).
<https://doi.org/10.3390/fermentation9110940>
- Li, W., Ruan, W., Peng, Y., & Wang, D. (2018). Soy and the risk of type 2 diabetes mellitus: A systematic review and meta-analysis of observational studies. *Diabetes Research and Clinical Practice*, 137, 190–199.
<https://doi.org/10.1016/j.diabres.2018.01.010>
- Maiyena, S., & Mawarnis, A. R. (2022). Kajian Analisis Konsumsi Daging Sapi dan Daging Babi Ditinjau dari Kesehatan. *Jurnal Pendidikan Tambusai*, 6(1), 3131–3136.
- Meldasari Lubis, Y., & Agustina, R. (2021). Uji Organoleptik Minuman Sari Buah Belimbing Wuluh (Averrhoa bilimbi.L) (Organoleptic Test Fruit Juice Drink (Averrhoa Bilimbi.L)). *JFP Jurnal Ilmiah Mahasiswa Pertanian*, 6(4).
www.jim.unsyiah.ac.id/JFP
- Menteri Kesehatan Republik Indonesia. (2019). *Peraturan Menteri Kesehatan Republik Indonesia*.

- Mukaromah, U., Susetyorini, S. H., & Aminah, S. (2010). Kadar Vitamin C, Mutu Fisik, pH, dan Mutu Organoleptik Sirup Rosella (*Hibiscus sabdariffa*, L) Berdasarkan Cara Ekstraksi. *Jurnal Pangan Dan Gizi*, 01(01), 43–51.
- Mukhoyaroh, H. (2015). Pengaruh Jenis Kedelai, Waktu dan Suhu Pemeraman terhadap Kandungan Protein Tempe Kedelai. *Florea: Jurnal Biologi Dan Pembelajarannya*, 2(2), 47–51.
- Najih, L., & Nurhidajah. (2011). Mutu Gizi Dan Organoleptik Susu Tempe Fermentasi Dengan Penambahan Jenis Bahan Pengental. *Jurnal Pangan Dan Gizi*, 02(04).
- Natsir, N. A., & Latifa, S. (2018). Analisis Kandungan Protein Total Ikan Kakap Merah Dan Ikan Kerapu Bebek. *Jurnal Biology Science & Education*, 7(1), 49–55.
- Niamnuy, C., Devahastin, S., & Soponronnarit, S. (2008). Changes in protein compositions and their effects on physical changes of shrimp during boiling in salt solution. *Food Chemistry*, 108(1), 165–175. <https://doi.org/10.1016/j.foodchem.2007.10.058>
- Nissar, J., Ahad, T., & Rashid Naik, H. (2017). A review phytic acid: As antinutrient or nutraceutical. *Journal of Pharmacognosy and Phytochemistry*, 6(6), 1554–1560. <https://www.researchgate.net/publication/333775737>
- Önning, G., Åkesson, B., Öste, R., & Lundquist, I. (1998). Effects of Consumption of Oat Milk, Soya Milk, or Cow's Milk on Plasma Lipids and Antioxidative Capacity in Healthy Subjects. *Annals of Nutrition and Metabolism*, 42(4), 211–220. <http://BioMedNet.com/karger>
- Palacios, C., Cormick, G., Hofmeyr, G., Garcia-Casal, M., Peña-Rosas, J., & Betrán, A. (2020). Calcium-fortified foods in

- public health programs: considerations for implementation. *Annals of the New York Academy of Sciences*, 1485, 3–21. <https://doi.org/10.1111/nyas.14495>
- Palupi, H. T., & Saihullah, M. (2013). Pembuatan Susu Tempe Kajian Pengaruh Lama Fermentasi Tempe dan Penggunaan Carboxymethyl cellulose (CMC). *Jurnal Teknologi Pangan*, 5(1), 1–15.
- Pangan, Eb. (2006). *Karakteristik Kedelai Sebagai Bahan Pangan Fungsional*.
- Pathare, P. B., Opara, U. L., & Al-Said, F. A. J. (2013). Colour Measurement and Analysis in Fresh and Processed Foods: A Review. *Food and Bioprocess Technology*, 6(1), 36–60. <https://doi.org/10.1007/s11947-012-0867-9>
- Pathomrungsyounggul, P., Grandison, A. S., & Lewis, M. J. (2010). Effect of calcium carbonate, calcium citrate, tricalcium phosphate, calcium gluconate and calcium lactate on some physicochemical properties of soymilk. *International Journal of Food Science and Technology*, 45(11), 2234–2240. <https://doi.org/10.1111/j.1365-2621.2010.02399.x>
- Pathomrungsyounggul, P., Lewis, M. J., & Grandison, A. S. (2010). Effects Of Calcium-Chelating Agents And Pasteurisation On Certain Properties Of Calcium-Fortified Soy Milk. *Food Chemistry*, 118(3), 808–814. <https://doi.org/10.1016/j.foodchem.2009.05.067>
- Picauly, P., Talahatu, J., & Mailoa, M. (2015). Pengaruh Penambahan Air pada Pengolahan Susu Kedelai. *AGRITEKNO, Jurnal Teknologi Pertanian*, 1, 8–13.

- Pramono, S. A. (2021). Inovasi Potensi Pangan Kacang Kedelai: Dari Olahan Produk Hingga Pemasaran Online. *Jurnal Atma Inovasia*, 1(3), 402–408.
- Pravina, P., Sayaji, D., & Avinash, M. (2012). Calcium and its Role in Human Body. *International Journal of Research in Pharmaceutical and Biomedical Sciences*, 4(2). www.ijrpbsonline.com
- Pravina, P., Sayaji, D., & Avinash, M. (2013). *Calcium and its Role in Human Body*. <https://consensus.app/papers/calcium-and-its-role-in-human-body-pravina-sayaji/dd96adfb3fb452769fced6e70b6f8c4e/>
- Pu, F., Chen, N., & Xue, S. (2016). Calcium Intake, Calcium Homeostasis and Health. In *Food Science and Human Wellness* (Vol. 5, Issue 1, pp. 8–16). Elsevier B.V. <https://doi.org/10.1016/j.fshw.2016.01.001>
- Purwandari, F. A., Fogliano, V., & Capuano, E. (2024). Tempeh Fermentation Improves The Nutritional And Functional Characteristics Of Jack Beans (*Canavalia ensiformis* (L.) DC). *Food and Function*, 15(7), 3680–3691. <https://doi.org/10.1039/d3fo05379b>
- Purwantiningrum, I., Choirun Nisa, F., Setyo Yuwono, S., & Fathuroya, V. (2015). KARAKTERISTIK RHEOLOGI SUSU PADA BERBAGAI PROSES PENGOLAHAN. In *Jurnal Teknologi Pertanian* (Vol. 16, Issue 3).
- Qolis, N., Handayani, C. B., Asmoro, N. W., & Arriyanti. (2020). Fortifikasi Kalsium Pada Kerupuk Dengan Substitusi Tepung Cangkang Telur Ayam Ras. *Jurnal Teknologi Pangan*, 14(1), 30–39.

- Rahayu, W. P., Pambayun, R., Santoso, U., Nuraida, L., & Ardiansyah. (2015). *Tinjauan Ilmiah Teknologi Pengolahan Tempe Kedelai*. Perhimpunan Ahli Teknologi Pangan Indonesia (PATPI).
- Rahman, U., Younas, Z., Ahmad, I., Yousaf, T., Latif, R., Rubab, U., Hassan, H., Shafi, U., & Mashwani, Z. (2024). Enhancing health and therapeutic potential: innovations in the medicinal and pharmaceutical properties of soy bioactive compounds. *Frontiers in Pharmacology*, 15. <https://doi.org/10.3389/fphar.2024.1397872>
- Raya, B. A., Kurniawan, H., & Nugraha, F. (2023). Karakterisasi Bobot Jenis dan Identifikasi Kalsium Pada Susu Kedelai. *Journal Syifa Sciences and Clinical Research*, 5(1). <https://doi.org/10.37311/jsscr.v5i1.15830>
- Resnawati, H. (2020). Kualitas Susu Pada Berbagai Pengolahan Dan Penyimpanan. *Semiloka Nasional Prospek Industri Sapi Perah Menuju Perdagangan Bebas*, 497–502.
- Rosalinda, S., Febriananda, T., & Nurjanah, S. (2021). Penggunaan Berbagai Konsentrasi Kulit Buah Pepaya dalam Penurunan Kadar Kafein pada Kopi. *Jurnal Teknotan*, 15(1), 27. <https://doi.org/10.24198/jt.vol15n1.5>
- Santoso, H., & Moulina, M. A. (2017). Analisis Mutu Susu Tempe dengan Variasi Jenis Kacang dan Zat Penstabil. *AGRITEPA: Jurnal Ilmu Dan Teknologi Pertanian*, 4(2), 38–52.
- Sari, Y. K., & Adi, A. C. (2017). Daya Terima, Kadar Protein dan Zat Besi Cookies Substitusi Tepung Daun Kelor dan Tepung Kecambah Kedelai. *Media Gizi Indonesia*, 12(1), 27–33.

- Sa'roni, & Triastuti, U. Y. (2021). Pembuatan Susu Tempe Kurma sebagai Alternatif Minuman Kesehatan. *Garina : Jurnal Ipteks Tata Boga, Tata Rias, Dan Tata Busana*, 13(1), 9–16.
- Setyaningsih, D., Apriyantono, A., & Sari, M. P. (2010). *Analisis Sensori untuk Industri Pangan dan Agro*. IPB Press.
- Suryani, Y., Hernaman, I., & Ningsih, D. (2017). The Effect of Urea and Sulfur Addition in Solid Waste Bioethanol Fermented by EM-4 on Contents of Crude Protein and Fiber. *Jurnal Ilmiah Peternakan Terpadu*, 5(1), 13–17.
- Sutardi. (1992). Perubahan Kandungan Asam Fitat dan Aktivitas Fitase Pada Pembuatan, Penyimpanan, dan Pemasakan Tempe. *AgriTECH*, 12(1), 1–15.
- Syukri, D. (2021). *Bagan Alir Analisis Proksimat Bahan Pangan (Volumetri dan Gravimetri)*. Andalas University Press.
- Titi P, H., & Saihullah, M. (2013). Pembuatan Susu Tempe Kajian Pengaruh Lama Fermentasi Tempe Dan Penggunaan Carboxymethyl cellulose (CMC). *Jurnal Teknologi Pangan*, 5(1), 1–15.
- Trailokya, A., Srivastava, A., Bhole, M., & Zalte, N. (2017). Calcium and Calcium Salts. *Journal of the Association of Physicians of India*, 65, 100–103. <https://www.researchgate.net/publication/313717335>
- Triandita, N., & Putri, N. E. (2019). Peranan Kedelai dalam Mengendalikan Penyakit Degeneratif. *Jurnal Teknologi Pengolahan Pertanian*, 1(1), 6–17.
- Vyas, H. K., & Tong, P. S. (2004). Impact Of Source And Level Of Calcium Fortification On The Heat Stability Of Reconstituted

- Skim Milk Powder. *Journal of Dairy Science*, 87(5), 1177–1180. [https://doi.org/10.3168/jds.S0022-0302\(04\)73266-X](https://doi.org/10.3168/jds.S0022-0302(04)73266-X)
- Wang, W., Tan, K. W. J., Chiang, P. L., Wong, W. X., Chen, W., & Lin, Q. (2023a). Impact of Incorporating Free Calcium and Magnesium on the Heat Stability of a Dairy- and Soy-Protein-Containing Model Emulsion. *Polymers*, 15(22). <https://doi.org/10.3390/polym15224424>
- Wang, W., Tan, K. W. J., Chiang, P. L., Wong, W. X., Chen, W., & Lin, Q. (2023b). Impact of Incorporating Free Calcium and Magnesium on the Heat Stability of a Dairy- and Soy-Protein-Containing Model Emulsion. *Polymers*, 15(22). <https://doi.org/10.3390/polym15224424>
- Weingartner, K. E., Nelson, A. I., & Erdman, J. W. (1983). Effects of Calcium Addition on Stability and Sensory Properties of Soy Beverage. *Journal Of Food Science*, 48, 256–257.
- Wicaksono, Y., Fanani, M. Z., & Jumiono, A. (2022). Potensi Pengembangan Produk Susu Bebas Laktosa Bagi Penderita Lactose Intolerance. *Jurnal Ilmiah Pangan Halal*, 4(1), 16–24.
- Widowati, E., Parnanto, N. H. R., & Muthoharoh. (2020). Pengaruh Enzim Poligalakturonase Dan Gelatin Dalam Klarifikasi Sari Buah Naga Super Merah (*Hylocereus costaricensis*). *Jurnal Teknologi Hasil Pertanian*, XIII(1).
- Yenrina, R. (2015). *Metode Analisis Bahan Pangan dan Komponen Bioaktif*. Andalas University Press.
- Yuliana, R. (2013). Susu Kedelai Dan Susu Tempe: Mutu Organoleptik Dan Kandungan Zat Gizi. In *Jakarta: Esa unggul*. Esa Unggul.

Zainuddin, A., Mansyur, M. H., & Moha, C. D. (2020). Aplikasi Xanthan Gum Pada Pengolahan Susu Tempe. *Gorontalo Agriculture Technology Journal*, 3(2), 63–71.

