

DAFTAR PUSTAKA

- Amalia, R., Haris, H., & Nurlaela, R. S. (2024). Pengaruh Konsentrasi Gula Dan Waktu Pemasakan Terhadap Karakteristik Kimia , Sensori , Dan Aktivitas Antioksidan Selai Jeruk Mandarin. *Jurnal Ilmiah Pangan Halal*, 6(2), 79–92.
- Artantha, D. A., & Hudi, L. (2021). Study of The Proportion of Aloe Vera (Aloe vera L.) with Tomato (*Lycopersicum esculentum* Mill) and CMC Concentration on The Characteristics of Aloe Vera Jam. *Journal of Tropical Food and Agroindustrial Technology*, 2(2), 9–15.
- Assyera, R. A., Nurjanah, S., Widyasanti, A., Ainina, N., Raya, (2023). Quality Profile of Lemon Peels Essential Oil (*Citrus limon* (L.) Burm.f. var. Eureka) Based on Differences in Maturity Colors and Moisture Contents. *Jurnal Teknologi Pertanian*, 24(3), 201–218.
- Badan Pengawas Obat dan Makanan Republik Indonesia. (2019). Peraturan Badan Pengawas Obat dan Makanan Nomor 28 Tahun 2019 tentang Bahan Penolong dalam Pengolahan Pangan. https://standarpangan.pom.go.id/dokumen/peraturan/2019/PBPOM-No_28-Tahun-2019-tentang-Bahan-Penolong-dalam-Pangan-Olahan.pdf
- Badan Pusat Statistik (BPS). (2023). Produksi Tanaman Biofarmaka Menurut Jenis Tanaman, 2022. [bps.go.id](https://www.bps.go.id). Retrieved February 25, 2025, from <https://www.bps.go.id/id/statistics-table/3/TmtaU01tVkdkazFSZHpoNFFtOHZMMVJCUzNObIVUMDkjMw==/produksi-tanaman-biofarmaka-menurut-jenis-tanaman--2022.html?year=2022>
- Badan Standardisasi Nasional (BSN). 2006. *Petunjuk Pengujian Organoleptik atau Sensori*. SNI 01-2346-2006. Jakarta. Badan Standardisasi Nasional
- Badan Standardisasi Nasional (BSN). 2008. *Selai Buah*. SNI 3746:2008. Jakarta. Badan Standardisasi Nasional
- Bekkour, K., Sun-Waterhouse, D., & Wadhwa, S. S. (2014). Rheological Properties And Cloud Point Of Aqueous Carboxymethyl Cellulose Dispersions As Modified By High Or Low Methoxyl Pectin. *Food Research International*, 66, 247–256.
- BPOM. (2017). *Produksi Pangan untuk Industri Rumah Tangga Selai Buah*. Badan Pengawas Obat dan Makanan.
- Burgos, W. J. M., Serra, J. L., MarsigliaF, R. M., Montoya, P., Sarmiento-Vásquez, Z., Marin, O., Gallego-Cartagena, E., & Paternina-Arboleda, C. D. (2022).

- Aloe vera: From Ancient Knowledge To The Patent And Innovation Landscape – A Review. *South African Journal of Botany*, 147, 993–1006.
- Cucikodana, Y., Saragih, D. S., Kalista, A., Verawati, E., Sriwijaya, P. N., Selatan, S., Sriwijaya, P. N., & Selatan, S. (2025). Pengaruh Lama Pemanasan Terhadap Ph , Vitamin C , Dan Aktivitas Antioksidan Sari Lemon (Citrus limon L .). *Jurnal Sains Dan Teknologi Pangan*, 4(3), 8440–8447.
- Danıǵman, E., & Yalçındağ, Y. (2023). Process Improvement and an Application with Taguchi Method in Food Industry. *Journal of Yasar University*, 18(69), 105–131.
- Dipowaseso, D. A., Nurwantoro, & Hintono, A. (2018). Karakteristik Fisik Dan Daya Oles Selai Kolang-Kaling yang Dibuak Melalui Substitusi Pektin dengan Modified Cassava Flour (MOCAF) sebagai Bahan Pengental. *Jurnal Teknologi Pangan*, 2(1), 1–7.
- Fuentes, R. M., Rodríguez-González, V. M., González-Laredo, R. F., Eim, V., González-Centeno, M. R., & Femenia, A. (2017). Effect Of Different Drying Procedures On The Bioactive Polysaccharide *Acemannan* from Aloe vera (Aloe barbadensis Miller). *Carbohydrate Polymers*, 168, 327–336.
- García, V., Laca, A., Martínez, L. A., Paredes, B., Rendueles, M., & Díaz, M. (2015). Development And Characterization Of A New Sweet Egg-Based Dessert Formulation. *International Journal of Gastronomy and Food Science*, 2(2015), 72–82.
- Hardiadana, M. R. F., Hudi, L., & Budiandari, R. U. (2022). Effect of Inulin Concentration and Cooking Time on the Quality of Aloe Vera Jam. *Journal of Tropical Food and Agroindustrial Technology*, 3(02), 33–40.
- Hernández, M. G. A., Sánchez-Bravo, P., Hernández, F., Carbonell-Barrachina, Á. A., Pastor-Pérez, J. J., & Legua, P. (2020). Determination Of The Volatile Profile Of Lemon Peel Oils As Affected By Rootstock. *Foods*, 9(241), 1–9.
- Heumasse, M., Palijama, S., & Lawalata, V. (2024). Jurnal Agrosilvopasture-Tech Pengaruh Konsentrasi CMC (Carboxy Methyl Cellulose) Terhadap Karakteristik Fisikokimia Dan Organoleptik Jelly Drink Air Kelapa Muda. *Jurnal Agrosilvopasture-Tech Journal*, 3(2024), 335–342.
- Hiltunen, S., Xu, C., Willför, S., & Backfolk, K. (2018). Thermally induced degradation of NaCMC in water and effects of NaHCO₃ on acid formation and charge. *Food Hydrocolloids*, 74(2018), 32–36.

- Himashree, P., Sengar, A. S., & Sunil, C. K. (2022). Food Thickening Agents: Sources, Chemistry, Properties And Applications - A Review. *International Journal of Gastronomy and Food Science*, 27(100468), 1-13.
- Ibáñez, M. D., Sanchez-Ballester, N. M., & Blázquez, M. A. (2020). Encapsulated Limonene : A Pleasant Lemon-Like. *Molecules*, 25(11), 1–20.
- Intariani, N. P., Puspawati, G. A. K. D., & Wisaniyasa, N. W. (2022). Pengaruh Konsentrasi *Carboxyl Methyl Cellulosa* (CMC) terhadap Karakteristik Bubuk Daun Singkong (*Manihot esculenta* Crantz) dengan Metode *Foam Mat Drying*. *Ilmu Dan Teknologi Pangan*, 11(4), 744–755.
- Jaya, D. P., Suseno, T. I. P., & Setijawati, E. (2017). Pengaruh Konsentrasi Agar Terhadap Karakteristik Fisikokimia Dan Organoleptik Selai Lembaran Apel Anna Dan Rosella. *Jurnal Teknologi Pangan Dan Gizi*, 16(2), 58–65.
- Jiang, H., Zhang, W., Xu, Y., Chen, L., Cao, J., & Jiang, W. (2022). An Advance On Nutritional Profile, Phytochemical Profile, Nutraceutical Properties, And Potential Industrial Applications Of Lemon Peels: A Comprehensive Review. *Trends in Food Science and Technology*, 124(April), 219–236.
- Kanojia, S., Zaidi, A., Pandey, N., Gupta, S., Pratap, D., Dwivedi, G., Singh, A., Nandan, A., Singh, A., & Singh, P. (2018). Organoleptic Evaluation of Aloe vera Jam. *International Journal of Home Science*, 4(3), 75–77.
- Koyuncu, D., & Duran, A. (2024). Optimising Technological Treatments with the Taguchi Approach to Reduce Acrylamide and Improve Colour Properties in Potato Chips. *Potato Research*, 67, 1809–1827.
- Kumar, V. D., & Ramasamy, D. (2016). Impact Of Storage Conditions On The Health Promoting Attributes Of Lemon, Citrus Limon Juice. *Bioscience Biotechnology Research Communications*, 9(1), 121–127.
- Linggawati, Utomo, A. R., & Kuswardani, I. (2020). Pengaruh Penggunaan CMC (Carboxylmethyl Cellulose) sebagai Gelling Agent terhadap Sifat Fisikokimia dan Organoleptik Selai Kawis (*Limonia acidissima*). *Jurnal Teknologi Pangan Dan Gizi*, 19(2), 109–113.
- Lundberg, B., Pan, X., White, A., Chau, H., & Hotchkiss, A. (2014). Rheology And Composition Of Citrus Fiber. *Journal of Food Engineering*, 125(2014), 97–104.

- Ma'arif, J. M., Dewi, E. N., & Kurniasih, R. A. (2021). Formulasi Dan Karakterisasi Fisikokimia Selai Lembaran Anggur Laut (*Caulerpa racemosa*). *Pharmacognosy Magazine*, 3(2), 123–130.
- Machado, D. I. S., López-Cervantes, J., Sendón, R., & Sanches-Silva, A. (2017). Aloe vera: Ancient Knowledge With New Frontiers. *Trends in Food Science and Technology*, 61, 94–102.
- Meilgaard, M. C., Civille, G. V., & Carr, B. T. (2016). *Sensory Evaluation Techniques* (fifth edition). Boca Raton: CRC Press.
- Mewis, J., & Wagner, N. J. (2012). *Colloidal Suspension Rheology*. Cambridge: Cambridge University Press.
- Montgomery, D. C. (2012). *Design and Analysis of Experiments* (eighth edition). Hoboken: John Wiley & Sons, Inc.
- Nakamura, A., Hara, Y., & Kawano, T. (2017). Dewatering And Extraction Of Hydrophilic Solutes And Essential Oils From Cryopreserved Lemon Peels Using Liquefied Dimethyl Ether. *Solvent Extraction Research and Development, Japan*, 24(1), 37–45.
- Permadi, M. R., Huda Oktafa, & Khafidurrohman Agustianto. (2019). Perancangan Pengujian Preference Test, Uji Hedonik Dan Mutu Hedonik Menggunakan Algoritma Radial Basis Function Network. *SINTECH (Science and Information Technology) Journal*, 2(2), 98–107.
- Pradnyani, N. M. A., Antarini, A. A. N., & Puryana, S. (2018). Pengaruh Perendaman Gel Lidah Buaya (Aloe Vera) Terhadap Mutu Manisan Lidah Buaya. *Jurnal Ilmu Gizi : Journal of Nutrition Science*, 7(4), 171–175.
- Pramono, Y. B., Rizqiati, H., & Luthfiyanti, E. (2024). The Effect Of Different Concentrations Of Carboxy Methyl Cellulose Addition On Chemical And Organoleptic Characteristics Of Red Guava (*Psidium Guajava*) Jam Sheet. *Food Research*, 8(2), 402–406.
- Pujilestari, S., Carlusi, T., & Azni, I. N. (2023). Minuman Rosella Pemanfaatan Kulit Lemon Pada Pembuatan Minuman Rosella. *Seminar Nasional Pariwisata Dan Kewirausahaan*, 625–635.
- Radha, M. H., & Laxmipriya, N. P. (2015). Evaluation Of Biological Properties And Clinical Effectiveness Of Aloe Vera: A Systematic Review. *Journal of Traditional and Complementary Medicine*, 5(1), 21–26.

- Rafique, S., Hassan, S.M., Mughal, S.S., Hassan, S.K., Shabbir, N., Pervez, S., Mushtaq, M., & Farman, M. (2020). Biological Attributes Of Lemon: A Review. *Journal of Addiction Medicine and Therapeutic Science*, 6(1), 030–034.
- Rahman S, Carter P, Bhattarai N (2017) Aloe Vera For Tissue Engineering Applications. *J Funct Biomat* 8(1):6
- Rahman, M. S., Hasan, M. S., Nitai, A. S., Nam, S., Karmakar, A. K., Ahsan, M. S., Shiddiky, M. J. A., & Ahmed, M. B. (2021). Recent Developments Of Carboxymethyl Cellulose. *Polymers*, 13(1345), 1–49.
- Rahmawati, D., Andarwulan. N., & Lioe, H. N. (2015). Identifikasi Atribut Rasa dan Aroma Mayonnaise dengan Metode Quantitative Descriptive Analysis (QDA). *Jurnal Mutu Pangan*, 2(2), 80–86.
- Ramadhan, A., Hartati, F. K., & Rahmiati, R. (2024). Physicochemical And Organoleptic Properties Of Mixed Mulberry (*Morus Alba*) Jam At Different Temperatures And Aloe Vera (*Aloe Vera*) Concentrations. *Jurnal Ilmiah Biologi*, 12(2), 2531–2541.
- Ridhani, M.A., & Aini, N. (2021). Potensi Penambahan Berbagai Jenis Gula Terhadap Sifat Sensori Dan Fisikokimia Roti Manis: Review. *Pasundan Food Technology Journal*, 8(3), 61–68.
- Sanny, B. I., & Dewi, R. K. (2020). Pengaruh Net Interest Margin (NIM) Terhadap Return on Asset (ROA) Pada PT Bank Pembangunan Daerah Jawa Barat Dan Banten Tbk Periode 2013-2017. *Jurnal Ekonomi-Bisnis*, 4(1), 78–87.
- Septiani, I. N., & Widowati, E. (2013). The Influence Of Agar And Carrageenan Concentration On Physical, Chemical, And Sensory Characteristics Of Red Guava Jam Slice (*Psidium guajava* L.). *Jurnal Teknologi Hasil Pertanian*, 6(1), 27–35.
- Sirait, V. A. A., Zulkifli, Z., Handayani, T. T., & Lande, M. L. (2020). Pengaruh Penambahan Asam Sitrat Terhadap Proses Non-Enzimatis Browning Jus Buah Pir Yali (*Pyrus bretschneideri* Rehd.). *Jurnal Penelitian Pertanian Terapan*, 18(3), 186–192.
- Sukoyo, A., Argo, B. D., & Yulianingsih, R. (2014). Analisis Pengaruh Suhu Pengolahan dan Derajat Brix terhadap Karakteristik Fisikokimia dan Sensoris Gula Kelapa Cair dengan Metode Pengolahan Vakum. *Jurnal Bioproses Komoditas Tropis*, 2(2), 170–179.

- Szczykutowicz, M. K., Szopa, A., & Ekiert, H. (2020). Citrus Limon (Lemon) Phenomenon—A Review Of The Chemistry, Pharmacological Properties, Applications In The Modern Pharmaceutical, Food, And Cosmetics Industries, And Biotechnological Studies. *Plants*, 9(119), 1–24.
- Thekkuden, D. T., Sherif, M. M., Alkhedher, M., Iftikhar, S. H., & Ismail Mourad, A.-H. (2024). Integrated Taguchi-PCA-GRA Based Multi Objective Optimization Of Tube Projection And Radial Clearance For Friction Stir Welded Heat Exchanger Tube-To-Tube Sheet Joints. *International Journal of Lightweight Materials and Manufacture*, 7(2024), 914–924.
- Wedamulla, N. E., Fan, M., Choi, Y. J., & Kim, E. K. (2022). Citrus Peel As A Renewable Bioresource: Transforming Waste To Food Additives. *Journal of Functional Foods*, 95(105163), 1–19.
- Widowati, A. N. A. (2022). Pengaruh Penambahan Kulit Buah Lemon (Citrus limon (L.)) Kering Terhadap Karakteristik Organoleptik, Total Padatan Terlarut, pH, Kandungan Vitamin^oC dan Total Fenol Teh Celup Daun Kelor (Moringa oleifera). *Jurnal Teknologi Pangan*, 6(1), 30–39.
- Wulandari, A. A., Wuryandari, T., & Ispriyanti, D. (2016). Penerapan Metode Taguchi Untuk Kasus Multirespon Menggunakan Pendekatan Grey Relational Analysis Dan Principal Component Analysis (Studi Kasus Proses Freis Komposit GFRP). *Jurnal Gaussian*, 5(4), 791–800.
- Yellapragada, N. V. S. R., Madala, V. S. K., Devarakonda, S. K., Shaik, R. S. M. A., Annamdasu, N. R., Dasari, K. R., & Mohammad, H. S. (2023). Application of Taguchi – PCA/GRA Method to Optimize the Wear Behaviour of Polyester/Carbon Fibre Composites. *Journal of Composite and Advanced Materials*, 33(2), 65–73.
- Zhang, M., Yang, Y., Zhang, H., Li, C., He, L., & Deng, L. (2023). Changes in food quality and characterization under thermal accumulation conditions during Chinese cooking. *Food Science and Nutrition*, 12(3), 2081–2092. <https://doi.org/10.1002/fsn3.3908>