

DAFTAR PUSTAKA

- Amrinola, W., Widowati, S., & Hariyadi, P. (2015). Metode Pembuatan Sorgum Sosoh Rendah Tanin pada Pembuatan Nasi Sorgum (*Sorghum Bicolor* L) Instan. *ComTech: Computer, Mathematics and Engineering Applications*, 6(1), 9. <https://doi.org/10.21512/comtech.v6i1.2280>
- Arkha, J., & Halimah, E. (2023). Review Artikel: Aktivitas Farmakologi Tanaman Sacha Inchi (*Plukenetia volubilis* L.). *Farmaka*, 21(1), 100–108.
- Aulia, K. I. (2016). Konsentrasi Kritis Misel. In *Laporan Praktikum Termodinamika Kimia* (pp. 1–23).
- Berton-Carabin, C. C., & Schroën, K. (2015). Pickering emulsions for food applications: background, trends, and challenges. *Annual Review of Food Science and Technology*, 6, 263–297. <https://doi.org/10.1146/annurev-food-081114-110822>
- Blakemore, W. R. (2016). Polysaccharide Ingredients: Carrageenan. In *Reference Module in Food Science*. Elsevier. <https://doi.org/10.1016/b978-0-08-100596-5.03251-0>
- Bueno-Borges, L. B., Sartim, M. A., Gil, C. C., Sampaio, S. V., Rodrigues, P. H. V., & Regitano-d'Arce, M. A. B. (2018). Sacha inchi seeds from sub-tropical cultivation: effects of roasting on antinutrients, antioxidant capacity and oxidative stability. *Journal of Food Science and Technology*, 55(10), 4159–4166. <https://doi.org/10.1007/s13197-018-3345-1>
- C, X. G., Jin, J., A, Q. J., A, X. W., A, P. X., & A, L. L. (2024). *Machine Translated by Google Hidrokoloid Makanan Stabilitas statis emulsi kristal sebagian yang distabilkan oleh protein susu : 147*(September 2023).
- Cahyadi, W. (2008). *F.4. Buku Analisis dan Aspek Kesehatan Bahan Tambahan Pangan.pdf*.
- Cahyani, D., & Tamaroh, S. (2021). *NASKAH PUBLIKASI*.
- Cai, Z. Q. (2011). Shade delayed flowering and decreased photosynthesis, growth and yield of Sacha Inchi (*Plukenetia volubilis*) plants. *Industrial Crops and Products*, 34(1), 1235–1237. <https://doi.org/https://doi.org/10.1016/j.indcrop.2011.03.021>
- Chirinos, R., Zuloeta, G., Pedreschi, R., Mignolet, E., Larondelle, Y., & Campos, D. (2013). Sacha inchi (*Plukenetia volubilis*): A seed source of polyunsaturated fatty acids, tocopherols, phytosterols, phenolic compounds

- and antioxidant capacity. *Food Chemistry*, 141(3), 1732–1739.
<https://doi.org/https://doi.org/10.1016/j.foodchem.2013.04.078>
- Dalton Luiz Schiessel Ricardo K. Yamazaki, M. K. I. C. A. A. Y. D. C. T. P. G. A. P. B. G. B., & Fernandes, L. C. (2015). α -Linolenic Fatty Acid Supplementation Decreases Tumor Growth and Cachexia Parameters in Walker 256 Tumor-Bearing Rats. *Nutrition and Cancer*, 67(5), 839–846.
<https://doi.org/10.1080/01635581.2015.1043021>
- David L. Nelson, M. M. C. (2008). *Lehninger Principles of Biochemistry 5th Edition*.
- Deng, W., Li, Y., Wu, L., & Chen, S. Z. (2022). Pickering emulsions stabilized by polysaccharides particles and their applications: a review. *Food Science and Technology*. <https://api.semanticscholar.org/CorpusID:248684747>
- Dimas, A. P. P., Tri, W. A., & Ima, W. (2015). Pengaruh penambahan karagenan sebagai stabilizer terhadap karakteristik otak-otak ikan kurisi. 4(2), 1–10.
<http://www.ejournal-s1.undip.ac.id/index.php/jpbhp>
- Edwin, D. iacute o B. H., Luz, A. U. M., & Luis, F. R. B. (2016). Effect of adding sachu inchi (Plukenetia volubilis L.) seeds to a prototype of convenience food draft, on the nutritional composition and sensory acceptance. *Journal of Medicinal Plants Research*, 10(29), 435–441.
<https://doi.org/10.5897/jmpr2016.6064>
- Fatoni, M., Basuki, E., & Prarudiyanto, A. (2016). Pengaruh Penambahan Karagenan terhadap Beberapa Komponen Mutu Es Krim Labu Kuning (Cucurbita moschata). *Pro Food (Jurnal Ilmu Dan Teknologi Pangan)*, 2(2), 158–164. <http://jurnal.unram.ac.id/index.php/profood/index>
- Fitriyaningtyas, S. I., & Widyaningsih, T. D. (2015). PENGARUH PENGGUNAAN LESITIN DAN CMC TERHADAP SIFAT FISIK, KIMIA, DAN ORGANOLEPTIK MARGARIN SARI APEL MANALAGI (Malus sylfetrtris Mill) TERSUPLEMENTASI MINYAK KACANG TANAH. *Jurnal Pangan Dan Agroindustri*, 3(1), 226–236.
- Fransiska, D., Permatasari, A., Haryati, S., Munandar, A., Subaryono, S., Darmawan, M., & Rahmad, W. (2014). Penambahan Kalsium Karbonat Pada Pembuatan Tepung Puding Instan Berbahan Alginat. *Jurnal Pascapanen Dan Bioteknologi Kelautan Dan Perikanan*, 9, 69.
<https://doi.org/10.15578/jpbkp.v9i1.101>
- García, P., Quinteros, A., García, P., Chumacero, J., & Castro, P. (2018). Storage

- evaluation of a functional food with skimmed milk enriched with fatty acids of Sacha Inchi (*Plukenetia volubilis* L.). *Agroindustrial Science*, 8(1), 39–43. <https://doi.org/10.17268/agroind.sci.2018.01.06>
- Ghozali, T. (2011). *Rekayasa Proses Pembuatan Susu Bubuk Dengan Metode Foam-Mat Drying (Kajian Pengaruh Jenis Dan Konsentrasi Emulsifier Terhadap Kualitas Fisik Susu Bubuk)*.
- Gómez-Alvarez, L. M., & Zapata Montoya, J. E. (2024). Effect of fortification with CaCO₃ nanoparticles obtained from eggshell on the physical and sensory characteristics of three food matrices. *Heliyon*, 10(2). <https://doi.org/10.1016/j.heliyon.2024.e24442>
- Gong, H.-D., Geng, Y.-J., Yang, C., Jiao, D.-Y., Chen, L., & Cai, Z.-Q. (2018). Yield and resource use efficiency of *Plukenetia volubilis* plants at two distinct growth stages as affected by irrigation and fertilization. *Scientific Reports*, 8(1), 80. <https://doi.org/10.1038/s41598-017-18342-6>
- Gonzalez Ortiz, D., Pochat-Bohatier, C., Cambedouzou, J., Bechelany, M., & Miele, P. (2020). Current Trends in Pickering Emulsions: Particle Morphology and Applications. *Engineering*, 6(4), 468–482. <https://doi.org/https://doi.org/10.1016/j.eng.2019.08.017>
- Goyal, A., Tanwar, B., Kumar Sihag, M., & Sharma, V. (2022a). Sacha inchi (*Plukenetia volubilis* L.): An emerging source of nutrients, omega-3 fatty acid and phytochemicals. *Food Chemistry*, 373(PB), 131459. <https://doi.org/10.1016/j.foodchem.2021.131459>
- Goyal, A., Tanwar, B., Kumar Sihag, M., & Sharma, V. (2022b). Sacha inchi (*Plukenetia volubilis* L.): An emerging source of nutrients, omega-3 fatty acid and phytochemicals. *Food Chemistry*, 373, 131459. <https://doi.org/https://doi.org/10.1016/j.foodchem.2021.131459>
- Guo, X., Li, X., Chan, L., Huang, W., & Chen, T. (2021). Edible CaCO₃ nanoparticles stabilized Pickering emulsion as calcium-fortified formulation. *Journal of Nanobiotechnology*, 19(1), 1–17. <https://doi.org/10.1186/s12951-021-00807-6>
- Hamad, A., Septhea, A. G., & Ma'ruf, A. (2015). Produksi *Lecithin* dari Minyak Jagung Sebagai *Emulsifier* Makanan. *Jurnal Techno*, 16(2), 118–124.
- Hardiyanti, R., Sari, A. R., Norsita, D. I., & Bachtiar, W. F. (2020). The Effect of Garam Masala Levels Addition on Chocolate Based Functional Beverage.

- Journal of Applied Food Technology*, 7(1), 5–8.
<https://doi.org/10.17728/jaft.7132>
- Hegar, B., & Widodo, A. (2015). Lactose intolerance in Indonesian children. *Asia Pacific Journal of Clinical Nutrition*, 24 Suppl 1, S31-40.
<https://doi.org/10.6133/apjcn.2015.24.s1.06>
- Hisprasitin, Y., & Fajri, N. R. (2018). Perbedaan Emulsi Dan Mikroemulsi Pada Minyak Nabati. *Farmaka*, 16, 1–15.
- Husni, P., Hisprastin, Y., & Januarti, M. (2019). FORMULASI DAN UJI STABILITAS FISIK SEDIAAN EMULSI MINYAK IKAN LEMURU (*Sardinella lemuru*). *Jurnal Ilmiah As-Syifaa*, 11(2), 137–146.
<https://doi.org/10.33096/jifa.v11i2.575>
- Jenny, C., Siswanto, S., Ristiarini, S., Indarto, T., & Suseno, P. (2021). PENGARUH PROPORSI LESITIN DAN SUSU SKIM TERHADAP KARAKTERISTIK HARD CANDY TOFFEE (Effects of Lecithin and Skim Milk Addition as Emulsifier of Hard Candy Toffee ' s Characteristics). *Jurnal Teknologi Pangan Dan Gizi*, 20(1), 63–68.
- Kim, D.-S., & Joo, N. (2019). Nutritional composition of Sacha inchi (*Plukenetia Volubilis L.*) as affected by different cooking methods. *International Journal of Food Properties*, 22(1), 1235–1241.
<https://doi.org/10.1080/10942912.2019.1640247>
- Laviano, A., Rianda, S., Molino, A., & Fanelli, F. R. (2013). Omega-3 fatty acids in cancer. *Current Opinion in Clinical Nutrition & Metabolic Care*, 16(2).
https://journals.lww.com/clinicalnutrition/fulltext/2013/03000/omega_3_fatty_acids_in_cancer.7.aspx
- Lesmana, S. N., Putut, T. I., & Kusumawati, N. (2008). Pengaruh Penambahan Kalsium Karbonat Sebagai Fortifikan Kalsium Terhadap Sifat Fisikokimia Dan Organoleptik Permen Jeli Susu. *Jurnal Teknologi Pangan Dan Gizi*, 7(1), 29.
- Lomolino, G., Vincenzi, S., Zannoni, S., Marangon, M., De Iseppi, A., & Curioni, A. (2022). Emulsifying activity of potato proteins in the presence of carrageenan at different pH conditions. *Food Chemistry: X*, 13, 100232.
<https://doi.org/https://doi.org/10.1016/j.fochx.2022.100232>
- Marina, E. dan Y. A. (2018). Pengaruh Lama Pengukusan Terhadap Penurunan Kadar Asam Sianida (HCN) Biji Api - Api Dalam Pembuatan Tepung Biji Api - Api (*Avicennia marina*). *MProsiding Seminar Nasional Fakultas Pertanian*

Universitas Jambi Tahun 2018, 1(1), 297–308.

- Márquez, A. L., Medrano, A., Panizzolo, L. A., & Wagner, J. R. (2010). Effect of calcium salts and surfactant concentration on the stability of water-in-oil (w/o) emulsions prepared with polyglycerol polyricinoleate. *Journal of Colloid and Interface Science*, 341(1), 101–108. <https://doi.org/10.1016/j.jcis.2009.09.020>
- Masudin, I., & Safitri, N. T. (2020). Food Cold Chain in Indonesia during the Covid-19 Pandemic: A Current Situation and Mitigation. *Jurnal Rekayasa Sistem Industri*, 9(2), 99–106. <https://doi.org/10.26593/jrsi.v9i2.3981.99-106>
- Mega, R. D., Pramono, Y. B., & Nurwantoro. (2019). Pengaruh Penambahan Karagenan terhadap Karakteristik Fisik, dan Organoleptik *Velva* Bengkuang dengan Perisa Bunga Kecombrang. *Jurnal Teknologi Pangan*, 3(2), 281–285.
- Mulia Arganis, L., Rizqiati, H., Ni, A., Al-Baarri, matullah, Studi Teknologi Pangan, P., Pertanian, J., Peternakan dan Pertanian, F., & Diponegoro, U. (2020). Nilai Total Padatan Terlarut pada Emulsi Kunyit (*Curcuma longa* L.) yang Dipengaruhi oleh Iota dan Kappa Karagenan The Value of Total Dissolved Solids on Turmeric Emulsion (*Curcuma longa* L.) Affected by Iota and Kappa Carrageenan. *Jurnal Teknologi Pangan*, 4(1), 1–3. www.ejournal-s1.undip.ac.id/index.php/tekpangan.
- Pan, Y., Liu, L., Li, J., Zhu, B., Li, X., Cheng, J., Muneeb, M., Kouame, K. J. E. parfait, & Jiang, X. (2024). Enhancing the physical stability and bioaccessibility of curcumin emulsions through the interaction of whey protein isolate and soybean lecithin. *Food Bioscience*, 58(November 2023), 103676. <https://doi.org/10.1016/j.fbio.2024.103676>
- Pratiwy, F. M., & Pratiwi, D. Y. (2021). Penyuluhan Potensi Omega-3 untuk Meningkatkan Sistem Imun (Terutama Dalam Masa pandemic Covid-19) Secara Virtual. *Farmers: Journal of Community Services*, 2(1), 30. <https://doi.org/10.24198/fjcs.v2i1.31191>
- Purnasari, N., Juwitangtyas, T., & Sabarisman, I. (2020). Household food security during Covid-19 pandemic in Daerah Istimewa Yogyakarta, Indonesia. *Sustinere: Journal of Environment and Sustainability*, 4(2), 132–143. <https://doi.org/10.22515/sustinere.jes.v4i2.118>
- Sari, A. R., Rahman, R. A., Shukri, R., & Norhayati, H. (2019). Improvement process of partially cooked corn grit (PCCG) preparation. *International Food*

Research Journal, 26(2), 537–546.

Sari, D. K., Kustiningsih, I., Oktawiyono, A. E., & Prastyo, R. A. E. (2022). Karakterisasi Pengaruh Penambahan Iota Karagenan Pada Emulsi Susu Kacang Koro. *Jurnal Integrasi Proses*, 11(2), 01. <https://doi.org/10.36055/jip.v11i2.12295>

Sariratan. (n.d.). *การพัฒนาผลิตภัณฑ์อาหาร: เคมี องค์ มนโมโปรตีน สูง ทั่ว ดาวอิ นคา* *Development of innovative food products: High protein Sacha Inchi milk* นางสาวสิริรัตน์ พานิช งานวิ จัยนี้ ้ ได้ รั บทุ นสนั บสนุ นจากงบประมาณเงิน รั ยจ ำ ย ประจ าปี งบประมาณ พ.ศ. 2.

Septiana, P., Usia, D., & Bulan, S. (2015). PENGARUH PEMBERIAN IKAN TERI (*Engraulis encrasicolus*) PADA MEMORI SPASIAL TIKUS SPRAGUE DAWLEY USIA SATU BULAN. 4, 1–9.

Sibuea, P., Sri, R., Umar, S., & Noor, Z. (2010). Oksidasi Minyak Dalam Emulsi O/W: Mekanisme Dan Pengendaliannya (Lipid Oxidation in Oil-in-Water Emulsions: Mechanism and Controlling. In *Jurnal Agritech* (Vol. 24, Issue 4, pp. 210–216).

Sidik, S. L., Fatimah, F., & Sangi, M. S. (2013). Pengaruh Penambahan Emulsifier dan Stabilizer Terhadap Kualitas Santan Kelapa. *Jurnal MIPA*, 2(2), 79. <https://doi.org/10.35799/jm.2.2.2013.1991>

Sienny, T. and Serli, W. (2010). Food Safety and Food Hygiene in Small and Medium Restaurants in Surabaya, Indonesia. *International Food Research Journal*, 17, 641–650.

Sofyan, I. (2018). PENGARUH KONSENTRASI BAHAN PENGISI DAN SODIUM TRIPOLYPHOSPHATE (Na₅P₃O₁₀) TERHADAP KARAKTERISTIK SOSIS JAMUR TIRAM PUTIH (*Pleurotus ostreatus*). *Pasundan Food Technology Journal*, 5(1), 25. <https://doi.org/10.23969/pftj.v5i1.807>

Soimee, W., Nakyai, W., Charoensit, P., Grandmottet, F., Worasakwutiphong, S., Phimnuan, P., & Viyoch, J. (2020). Evaluation of moisturizing and irritation potential of sacha inchi oil. *Journal of Cosmetic Dermatology*, 19(4), 915–924. <https://doi.org/https://doi.org/10.1111/jocd.13099>

Srichamnong, W., Ting, P., Pitchakarn, P., Nuchuchua, O., & Temviriyankul, P. (2018). Safety assessment of Plukenetia volubilis (Inca peanut) seeds, leaves, and their products. *Food Science & Nutrition*, 6(4), 962–969.

<https://doi.org/https://doi.org/10.1002/fsn3.633>

Supriyo, E. (2007). *PENGARUH KONSENTRASI SURFACTANT PADA FORMULASI PROPUXURE 20 EC DAN EFEKTIFITASNYA DALAM MEMBASMI NYAMUK AEDES AEGYPTI*.

Tanwar, B., & Goyal, A. (2020). Oilseeds: Health Attributes and Food Applications. *Oilseeds: Health Attributes and Food Applications*, November, 1–516. <https://doi.org/10.1007/978-981-15-4194-0>

Tanwar, B., Modgil, R., & Goyal, A. (2021). Nutritional and phytochemical composition of pecan nut [(Wangenh.) K. Koch] and its hypocholesterolemic effect in an animal model. *British Food Journal*, 123(4), 1433–1448. <https://doi.org/10.1108/BFJ-08-2020-0689>

Vanegas-Azuero, A. M., & Gutiérrez, L. F. (2018). Physicochemical and sensory properties of yogurts containing sacha inchi (*Plukenetia volubilis* L.) seeds and β -glucans from *Ganoderma lucidum*. *Journal of Dairy Science*, 101(2), 1020–1033. <https://doi.org/10.3168/jds.2017-13235>

Wardani, A. K., & Wardani, I. R. (2014). Eksplorasi Potensi Kedelai Hitam Untuk Produksi Minuman Fungsional Sebagai Upaya Meningkatkan Kesehatan Masyarakat. *Jurnal Pangan Dan Agroindustri*, 2(4), 58–67.

Warkoyo, & Hudyatmoko. (2007). *Uji_Fungsional_Karaginan_pada_Susu_Paste*.

Weiner, M. L., Nuber, D., Blakemore, W. R., Harriman, J. F., & Cohen, S. M. (2007). A 90-day dietary study on kappa carrageenan with emphasis on the gastrointestinal tract. *Food and Chemical Toxicology: An International Journal Published for the British Industrial Biological Research Association*, 45(1), 98–106. <https://doi.org/10.1016/j.fct.2006.07.033>

White, O. I., Nurrahmania, V., & Wibowo, T. (2022). Pengolahan Limbah Kulit Singkong Sebagai Upaya Mengurangi Pencemaran Lingkungan. *Jurnal Pengolahan Pangan*, 7(1), 33–37. <https://doi.org/10.31970/pangan.v7i1.64>

Wiratno. (2017). 宋子皿 1*, 王媛媛 2, 刘薇薇 2. 14(01), 3510–3515.

Wu, J., & Ma, G.-H. (2016). Recent Studies of Pickering Emulsions: Particles Make the Difference. *Small (Weinheim an Der Bergstrasse, Germany)*, 12(34), 4633–4648. <https://doi.org/10.1002/smll.201600877>

Ysabel Fernández, Abner Obregón, Mari Medina, Epifanio Martínez, & Euler Navarro. (2015). Obtaining Cheese with Milk Mixture and Inca Peanut (*Plukenetia Volubilis*). *Journal of Chemistry and Chemical Engineering*, 9(8),

533–537. <https://doi.org/10.17265/1934-7375/2015.08.009>

- Yu, X., Zhao, Y., Sun, M., Liu, L., Li, X., Zhang, X., Sun, Y., Bora, A. F. M., Li, C., Leng, Y., & Jiang, S. (2022). Effects of egg yolk lecithin/milk fat globule membrane material ratio on the structure and stability of oil-in-water emulsions. *Lwt*, 168(600), 113891. <https://doi.org/10.1016/j.lwt.2022.113891>
- Zhao, Q., Hong, X., Fan, L., Liu, Y., & Li, J. (2022). Solubility and emulsifying properties of perilla protein isolate: Improvement by phosphorylation in the presence of sodium tripolyphosphate and sodium trimetaphosphate. *Food Chemistry*, 382(January), 132252. <https://doi.org/10.1016/j.foodchem.2022.132252>
- Zhu, Y., Lu, L. H., Gao, J., Cui, Z. G., & Binks, B. P. (2013). Effect of trace impurities in triglyceride oils on phase inversion of Pickering emulsions stabilized by CaCO₃ nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 417, 126–132. <https://doi.org/10.1016/j.colsurfa.2012.10.043>