

DAFTAR PUSTAKA

- Abbasi, E., & Azizpour, M. (2016). Evaluation of physicochemical properties of foam mat dried sour cherry powder. *LWT - Food Science and Technology*, 68, 105–110. <https://doi.org/10.1016/j.lwt.2015.12.004>
- Amalia, D. N. (2018). *Pengaruh Fermentasi Ampas Kelapa (Cocos Nucifera, L) Menggunakan Rhizopus Oligosporus Terhadap Ph Dan Kandungan Nutrien*. Universitas Brawijaya.
- Andzi Barhé, T., & Feuya Tchouya, G. R. (2016). Comparative study of the anti-oxidant activity of the total polyphenols extracted from Hibiscus Sabdariffa L., Glycine max L. Merr., yellow tea and red wine through reaction with DPPH free radicals. *Arabian Journal of Chemistry*, 9(1), 1–8. <https://doi.org/10.1016/j.arabjc.2014.11.048>
- Anggraini, D., Radiati, L., & Purwadi, P. (2016). Carboxymethyle Cellulose (CMC) Addition In Term of Taste, Aroma, Color, pH, Viscosity, and Turbidity of Apple Cider Honey Drink. *Jurnal Ilmu dan Teknologi Hasil Ternak*, 11(1), 58–67. <https://doi.org/10.21776/ub.jitek.2016.011.01.7>
- Ariska, S. B., & Utomo, D. (2020). Kualitas minuman serbuk instan sereh (Cymbopogon citratus) dengan metode foam mat drying. *Teknologi Pangan : Media Informasi dan Komunikasi Ilmiah Teknologi Pertanian*, 11(1), 42–51. <https://doi.org/10.35891/tp.v11i1.1903>
- Arumsari, N. G., Suparthana, I. P., & Nocianitri, K. A. (2022). *Pengaruh Suhu dan Lama Fermentasi terhadap Karakteristik Kedelai Terfermentasi.pdf*.

Asghar, A., Afzaal, M., Nosheen, F., Saeed, F., Nayik, G. A., AL-Farga, A., Alansari,

W. S., Eskandrani, A. A., & Shamlan, G. (2022). Isolation and Molecular Characterization of Processed Soybean Waste for the Development of Synbiotic Yogurt. *Fermentation*, 8(11), 622.

<https://doi.org/10.3390/fermentation8110622>

[BPOM] Badan Pengawas Obat dan Makanan Republik Indonesia. (2016).

Pengawasan Klaim pada Label dan Iklan Pangan Olahan. BPOM.

De Castro, R. J. S., & Sato, H. H. (2015). Biologically active peptides: Processes for their generation, purification and identification and applications as natural additives in the food and pharmaceutical industries. *Food Research International*, 74, 185–198. <https://doi.org/10.1016/j.foodres.2015.05.013>

International, 74, 185–198. <https://doi.org/10.1016/j.foodres.2015.05.013>

Dunya, D., Siswanti, S., & Atmaka, W. (2023). PENGARUH SUBSTITUSI TEPUNG

OKARA DAN ALPUKAT SEBAGAI LEMAK TERHADAP

KARAKTERISTIK KIMIA, FISIK, DAN ORGANOLEPTIK COOKIES.

Jurnal Teknologi Hasil Pertanian, 15(2), 134.

<https://doi.org/10.20961/jthp.v15i2.56872>

Ekawatiningsih, P. (2008). *Restoran Jilid 3*. Pusat Perbukuan Departemen Pendidikan Nasional.

Gebregziabher, B. S., Zhang, S., Ghosh, S., Shaibu, A. S., Azam, M., Abdelghany, A.

M., Qi, J., Agyenim-Boateng, K. G., Htway, H. T. P., Feng, Y., Ma, C., Li,

Y., Li, J., Li, B., Qiu, L., & Sun, J. (2022). Origin, Maturity Group and Seed

Coat Color Influence Carotenoid and Chlorophyll Concentrations in Soybean

Seeds. *Plants*, 11(7), 848. <https://doi.org/10.3390/plants11070848>

Habibi, N. A., Fathia, S., & Utami, C. T. (2019). Perubahan Karakteristik Bahan

Pangan pada Keripik Buah dengan Metode Freeze Drying (Review). *JST*

(*Jurnal Sains Terapan*), 5(2). <https://doi.org/10.32487/jst.v5i2.634>

Hartuti, A. C. (2023). *Optimasi Pembuatan Hidrolisat Protein Okara Secara*

Fermentasi Menggunakan Response Surface Methodology Dan Aplikasinya

Untuk Produk Snack Bar. Universitas Gadjah Mada.

Haryanto, B. (2016). Pengaruh Konsentrasi Putih Telur terhadap Sifat Fisik, Kadar

Antosianin, dan Aktivitas Antioksidan Bubuk Instan Ekstrak Kulit Manggis

(*Garcinia Mangostana L.*) dengan Metode Foam Mat Drying. *Jurnal*

Kesehatan, VII, 1–8. <http://dx.doi.org/10.26630/jk.v7i1.112>

Huda, S. (2020). EFEK EVAPORASI DAN SUHU PENDINGINAN

SPRAY DRYING TERHADAP KARAKTERISTIK FISIK DAN KIMIA

WHEY BUBUK. *Jurnal Teknologi Hasil Pertanian*, 13(2), 84.

<https://doi.org/10.20961/jthp.v13i2.42716>

Hutchings, J. B. (1994). *Food Colour and Appearance*. Springer US.

<https://doi.org/10.1007/978-1-4615-2123-5>

Insani, W., Yusa, N. M., & Hatiningsih, S. (2023). Pengaruh Perbandingan Tepung

Okara dan Tepung Beras Terhadap Karakteristik Kue Apem. *Jurnal Ilmu dan*

Teknologi Pangan (ITEPA), 12(1), 1.

<https://doi.org/10.24843/itepa.2023.v12.i01.p01>

Intariani, N. P. (2022). Pengaruh Konsentrasi Carboxyl Methyl Cellulosa (CMC) Terhadap Karakteristik Bubuk Daun Singkong (*Manihot esculenta* Crantz) Dengan Metode Foam Mat Drying. *Itepa: Jurnal Ilmu Dan Teknologi Pangan*, 11(4), 744–755.

Jhondri, J. (2018). PERFORMA ALAT PENDINGIN TIPE RAK PADA PENDINGINAN RANSUM BERBENTUK PELLET (Performance Dry Rack Tipe On Drying Feeding Pellet). *JANHUS: Jurnal Ilmu Peternakan Journal of Animal Husbandry Science*, 1(2), 28.
<https://doi.org/10.52434/janhus.v1i2.244>

Juliana, R., Hasbullah, R., & Mardjan, S. S. (2020). Models of Moisture Sorption Isotherm and The Estimation of Red Ginger Powder Shelf Life in Various Packaging Materials. *Jurnal Keteknik Pertanian*, 8(1), 23–28.
<https://doi.org/10.19028/jtep.08.1.23-28>

Kaswinarni, F. (2008). Kajian Teknis Pengolahan Limbah Padat Dan Cair Industri Tahu. *Majalah Ilmiah Lontar*, 22(2). <https://doi.org/10.26877/ltr.v22i2.435>

Kedare, S. B., & Singh, R. P. (2011). Genesis and development of DPPH method of antioxidant assay. *Journal of Food Science and Technology*, 48(4), 412–422.
<https://doi.org/10.1007/s13197-011-0251-1>

Kementerian Pertanian Badan Pusat Statistik & Direktorat Jenderal Holtikultura.

(2023). *Produksi Tanaman Buah-buahan, 2021-2022*.

Kinsella, J. E. (1979). *Functional Properties of Soy Proteins* (3rd ed., Vol. 56). J.

AOCS.

Kumalaningsih, S. (2004). *Membuat Makanan Siap Saji* (1st ed.). Trubus Agrisarana:

Surabaya.

Lawless, H. T., & Heymann, H. (2010). *Sensory Evaluation of Food: Principles and*

Practices. Springer New York. <https://doi.org/10.1007/978-1-4419-6488-5>

Lestari, T. I., Nurhidajah, N., & Yusuf, M. (2018). KADAR PROTEIN, TEKSTUR,

DAN SIFAT ORGANOLEPTIK COOKIES YANG DISUBSTITUSI

TEPUNG GANYONG (*Canna edulis*) DAN TEPUNG KACANG KEDELAI

(*Glycine max* L.). *Jurnal Pangan dan Gizi*, 8(1), Article 1.

<https://doi.org/10.26714/jpg.8.1.2018.53-63>

Liu, K. (2008). Food Use of Whole Soybeans. In *Soybeans* (pp. 441–481). Elsevier.

<https://doi.org/10.1016/B978-1-893997-64-6.50017-2>

Longvah, T., Ananthan, R., Bhaskarachary, K., & Venkaiah, K. (2017). *Indian Food*

Composition Tables.

Marabi, A., & Saguy, I. (2009). Rehydration and reconstitution of food food

engineering. In *Advances in food dehydration*. CRC press.

Marshall, M. R. (2010). Ash Analysis. In S. S. Nielsen, ed. *Food Analysis* (pp. 107–

114). Springer.

- Meilgaard, M. C., Carr, B. T., & Civille, G. V. (2007). *Sensory Evaluation Techniques, Fourth Edition*. CRC Press: New York.
- Min, S., Yu, Y., & Martin, S. St. (2005). Effect of Soybean Varieties and Growing Locations on the Physical and Chemical Properties of Soymilk and Tofu. *Journal of Food Science*, 70(1), C8–C21. <https://doi.org/10.1111/j.1365-2621.2005.tb09026.x>
- Mulyani, Yulistiani, & Nopriyanti. (2014). Pembuatan Bubuk Sari Buah Markisa dengan Metode “Foam-Mat Drying.” *Jurnal Teknologi Pangan*, 8.
- Murakami, H., Asakawa, T., Terao, J., & Matsushita, S. (1984). Antioxidative Stability of Tempeh and Liberation of Isoflavones by Fermentation. *Agricultural and Biological Chemistry*, 48(12), 2971–2975. <https://doi.org/10.1080/00021369.1984.10866635>
- Nasri, M. (2017). Protein Hydrolysates and Biopeptides. In *Advances in Food and Nutrition Research* (Vol. 81, pp. 109–159). Elsevier. <https://doi.org/10.1016/bs.afnr.2016.10.003>
- Ndumuye, E., M. Langi, T., & Taroreh, M. I. R. (2022). Karakteristik Kimia Tepung Muate (Pteridophyta Filicinae) Sebagai Pangan Tradisional Masyarakat Pulau Kimaam. *JURNAL AGROEKOTEKNOLOGI TERAPAN*.
- Negara, J. K., Sio, A. K., Bogor Agricultural University, Rifkhan, R., Bogor Agricultural University, Arifin, M., Bogor Agricultural University, Oktaviana, A. Y., Bogor Agricultural University, Wihansah, R. R. S., Bogor Agricultural

- University, Yusuf, M., & Bogor Agricultural University. (2016). Aspek mikrobiologis, serta Sensori (Rasa, Warna, Tekstur, Aroma) Pada Dua Bentuk Penyajian Keju yang Berbeda. *Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan*, 4(2), 286–290. <https://doi.org/10.29244/jipthp.4.2.286-290>
- Nowak, D., & Jakubczyk, E. (2020). The Freeze-Drying of Foods—The Characteristic of the Process Course and the Effect of Its Parameters on the Physical Properties of Food Materials. *Foods*, 9(10), 1488. <https://doi.org/10.3390/foods9101488>
- Nurkhayati. (2002). *Aktifitas Antioksidan Ekstrak Tempe Gembus terhadap Oksidasi Minyak Kedelai* [Skripsi]. Jurusan Biologi FMIPA UNS.
- Oksilia, O. (2018). Hubungan Karakteristik Fisik dan Kimia Beberapa Jenis Buah Mangga (*Mangifera indica* L) Terhadap Penerimaan Konsumen. *Jurnal Agrium*, 15(1), 51. <https://doi.org/10.29103/agrium.v15i1.689>
- Ostermann-Porcel, M. V., Quiroga-Panelo, N., Rinaldoni, A. N., & Campderrós, M. E. (2017). Incorporation of Okara into Gluten-Free Cookies with High Quality and Nutritional Value. *Journal of Food Quality*, 2017, 1–8. <https://doi.org/10.1155/2017/4071585>
- Pambudi, S. (2018). *Budidaya & Khasiat Kedelai Edamame: Camilan Sehat dan Lezat Multi Manfaat* (Cetakan pertama 2018). Pustaka Baru Press: Yogyakarta.

Peraturan Menteri Kesehatan RI. (2013). *Angka Kecukupan Gizi yang Dianjurkan*

bagi Bangsa Indonesia. Kemenkes RI: Jakarta.

Perussello, C. A., Camargo Do Amarante, Á. C., & Mariani, V. C. (2009).

Convective Drying Kinetics and Darkening of Okara. *Drying Technology*,

27(10), 1132–1141. <https://doi.org/10.1080/07373930903221622>

Phadke, G. G., Shamasundar, B. A., Murthy, L. N., & Garima. (2020). Bioactive

properties of fermented anchovy (*Stolephorus indicus*) fish sauce and its

stability. *Journal of Krishi Vigyan*, 9(si), 29–34. [https://doi.org/10.5958/2349-](https://doi.org/10.5958/2349-4433.2020.00075.6)

[4433.2020.00075.6](https://doi.org/10.5958/2349-4433.2020.00075.6)

Pisoschi, A. M., Cheregi, M. C., & Danet, A. F. (2009). Total Antioxidant Capacity

of Some Commercial Fruit Juices: Electrochemical and Spectrophotometrical

Approaches. *Molecules*, 14(1), 480–493.

<https://doi.org/10.3390/molecules14010480>

Pulungan, M. H., Putri, S. R. G., & Perdani, C. G. (2020). FORMULASI

PEMBUATAN COOKIES DENGAN METODE LINEAR

PROGRAMMING. *Jurnal Pangan dan Agroindustri*, 8(4), 208–218.

<https://doi.org/10.21776/ub.jpa.2020.008.04.4>

Puspitasari, D., Romadoni, I. F., Suwardiah, D. K., & Pangesthi, T. (2022). Studi

Kesukaan Responden terhadap Jenang Makanan Khas Wonogiri. *Jurnal Tata*

Boga, 11(3).

- Puspitojat, E., Cahyanto, M. N., Marsono, Y., & Indrati, R. (2019). Production of Angiotensin-I-Converting Enzyme (ACE) Inhibitory Peptides during the Fermentation of Jack Bean (*Canavalia ensiformis*) Tempe. *Pakistan Journal of Nutrition*, 18(5), 464–470. <https://doi.org/10.3923/pjn.2019.464.470>
- Putri, D. P., Agustina, W., Herminati, A., Andriansyah, R. C. E., Dfap, S. K., & Sarifudin, A. (2022). Variasi suhu pengeringan dan pengaruhnya terhadap karakteristik mutu fungsional bubuk mangga gedong gincu. *Agrointek: Jurnal Teknologi Industri Pertanian*.
- Rachmawati, D. (2014). PENAMBAHAN FITASE DALAM PAKAN BUATAN SEBAGAI UPAYA PENINGKATAN KECERNAAN, LAJU PERTUMBUHAN SPESIFIK DAN KELULUSHIDUPAN BENIH IKAN NILA (*Oreochromis niloticus*). *Jurnal Saintek Perikanan*, 10.
- Rachmayani, N., Rahayu, W. P., Nur Faridah, D., & Syamsir, E. (2017). Snackbar Tinggi Serat Berbasis Tepung Ampas Tahu (Okara) dan Tepung Ubi Ungu. *Jurnal Teknologi Dan Industri Pangan*.
- Rashad, M. M., Mahmoud, A. E., Abdou, H. M., & Nooman, M. U. (2011). Improvement of nutritional quality and antioxidant activities of yeast fermented soybean curd residue. *African Journal of Biotechnology*, 10.
- Riansyah, A., Supriadi, A., & Nopianti, R. (2013). PENGARUH PERBEDAAN SUHU DAN WAKTU PENGERINGAN TERHADAP KARAKTERISTIK

IKAN ASIN SEPAT SIAM (*Trichogaster pectoralis*) DENGAN
MENGUNAKAN OVEN. *Jurnal Fishtech*.

Rocha Ribeiro, S. M., Queiroz, J. H., Lopes Ribeiro De Queiroz, M. E., Campos, F.

M., & Pinheiro Sant'Ana, H. M. (2007). Antioxidant in Mango (*Mangifera indica* L.) Pulp. *Plant Foods for Human Nutrition*, 62(1), 13–17.

<https://doi.org/10.1007/s11130-006-0035-3>

Rosidi, B. (1987). Enzim Lipoksigenase dalam Produk Kedelai. *Warta IHP*, 4(2), 13–19.

Saija, A., Scalese, M., Lanza, M., Marzullo, D., Bonina, F., & Castelli, F. (1995).

Flavonoids as antioxidant agents: Importance of their interaction with biomembranes. *Free Radical Biology and Medicine*, 19(4), 481–486.

[https://doi.org/10.1016/0891-5849\(94\)00240-K](https://doi.org/10.1016/0891-5849(94)00240-K)

Samaranayaka, A. G. P., & Li-Chan, E. C. Y. (2011). Food-derived peptidic antioxidants: A review of their production, assessment, and potential applications. *Journal of Functional Foods*, 3(4), 229–254.

<https://doi.org/10.1016/j.jff.2011.05.006>

Sembor, S. M., Y, M., & Noor, Z. (1999). Pengaruh Serat Ampas Tahu dan Tempe terhadap Profil Asam Lemak Rantai Pendek dalam Digesta Tikus Wistar.

Agritech: Jurnal Fakultas Teknologi Pertanian UGM, 19(4), 160–164.

- Sharif, M. K., Saleem, M., & Javed, K. (2018). Role of Materials Science in Food Bioengineering. In *Food Materials Science in Egg Powder Industry* (pp. 505–537). Academic Press.
- Sibuea, A. F., & Hamzah, F. (2016). Pemanfaatan Buah Mangga (*Mangifera Indica* L.) Dan Ekstrak Teh Hijau (*Camelia Sinensis*) Dalam Pembuatan Selai. *JOM Faperta*, 3(1).
- Sihmawati, R. R., & Oktoviani, D. (2014). ASPEK MUTU PRODUK NATA DE COCO DENGAN PENAMBAHAN SARI BUAH MANGGA. *Jurnal Teknik Industri HEURISTIC*, 11(2).
- Sinambela, E., Afifah, D. N., Wijayanti, H. S., & Dieny, F. F. (2020). Tempeh Gembus Cookies as an Alternative Snack for Obese Adolescent Girls. *Amerta Nutrition*.
- SNI 01-3142-1998. (1998). *Tahu* (SNI 01-3142-1998). Badan Standarisasi Nasional: Jakarta.
- Sobri, A., Herpandi, H., & Lestari, S. (2018). Uji Pengaruh Suhu Pengeringan pada Karakteristik Kimia dan Sensori Kaldu Bubuk Kepala Ikan Gabus (*Channa striata*). *Jurnal Fishtech*, 6(2), 97–106.
<https://doi.org/10.36706/fishtech.v6i2.5840>
- Soccol, C. R., Pandey, A., & Larroche, C. (2013). *Fermentation Processes Engineering in the Food Industry*. CRC Press.

Southey, F. (2021). *New meat analogue developed with less salt, fat, and more flavour than real meat*. <https://www.foodnavigator.com/Article/2021/09/23/Okara-meat-analogue-developed-with-less-salt-fat-and-more-flavour-than-real-meat-claim-researchers>

Suhendy, H. (2021). FORMULASI DAN EVALUASI MINUMAN HERBAL ANTIOKSIDAN JAHE MERAH (*Zingiber officinale* Rosc. Var. *Rubrum*). *Jurnal Ilmiah Farmasi Farmasyifa*, 4(2), 79–86.
<https://doi.org/10.29313/jiff.v4i2.7617>

Sulchan, M. (2007). *Nilai Gizi dan Komposisi Asam Amino Tempe Gembus serta Pengaruhnya terhadap Pertumbuhan Tikus*. 57.

Tao, X., Cai, Y., Liu, T., Long, Z., Huang, L., Deng, X., Zhao, Q., & Zhao, M. (2019). Effects of pretreatments on the structure and functional properties of okara protein. *Food Hydrocolloids*, 90, 394–402.
<https://doi.org/10.1016/j.foodhyd.2018.12.028>

[USDA], U. S. D. of A. (US). (2019). *Dairy and Egg Products*.
<https://fdc.nal.usda.gov/fdc-app.html#/food-details/172183/nutrients>

Utami, P. A. S., Sugitha, I. M., & Arihantana, N. M. I. H. (2018). PENGARUH PERBANDINGAN TEPUNG UBI JALAR UNGU DAN TEPUNG KEDELAI TERHADAP KARAKTERISTIK COOKIES. *Jurnal Ilmu dan Teknologi Pangan (ITEPA)*, 7(3), 76.
<https://doi.org/10.24843/itepa.2018.v07.i03.p01>

- Utami, S., Baskoro, K., Perwati, L. K., & Murningsih, M. (2019). Keragaman Varietas Mangga (*Mangifera indica* L.) Di Kotamadya Semarang Jawa Tengah. *Bioma : Berkala Ilmiah Biologi*, 21(2), 121–125.
<https://doi.org/10.14710/bioma.21.2.121-125>
- Varakumar, S., Kumar, Y. S., & Reddy, O. V. S. (2011). CAROTENOID COMPOSITION OF MANGO (*MANGIFERA INDICA* L.) WINE AND ITS ANTIOXIDANT ACTIVITY: CAROTENOID COMPOSITION OF MANGO WINE. *Journal of Food Biochemistry*, 35(5), 1538–1547.
<https://doi.org/10.1111/j.1745-4514.2010.00476.x>
- Vishwanathan, K. H., Govindaraju, K., Singh, V., & Subramanian, R. (2011). Production of Okara and Soy Protein Concentrates Using Membrane Technology. *Journal of Food Science*, 76(1), E158–E164.
<https://doi.org/10.1111/j.1750-3841.2010.01917.x>
- Wijaya, J. C. (2015). Pengaruh Penambahan Enzim Bromelin terhadap Sifat Kimia dan Organoleptik Tempe Gembus (Kajian Konsentrasi dan Lama Inkubasi dengan Enzim). *Jurnal Pangan dan Agroindustri*, 3(1).
- Winarno, F. (2004). *Kimia Pangan dan Gizi*. PT Gramedia Pustaka Utama.
- Winarno, F. G. (1997). *Kimia Pangan dan Gizi*. Gramedia Pustala Utama.
- Yen, G.-C., & Chen, H.-Y. (1995). Antioxidant Activity of Various Tea Extracts in Relation to Their Antimutagenicity. *Journal of Agricultural and Food Chemistry*, 43(1), 27–32. <https://doi.org/10.1021/jf00049a007>

Yuliati, N., & Kurniawati, E. (2017). Analisis Kadar Vitamin C Dan Fruktosa Pada

Buah Mangga (*Mangifera Indica* L.) Varietas Podang Urang Dan Podang

Lumut Metode Spektrofotometri Uv-Vis. *Jurnal Wiyata: Penelitian Sains*

Dan Kesehatan, 4, 49–57.

Zubaedah, E., Kusnadi, J., & Andriastuti, I. (2003). Pembuatan Larutan Yoghurt

dengan Metode Foam-Mat: Drying Kajian Penambahan Busa Putih Telur

Terhadap Sifat Fisik dan Kimia. *Jurnal Teknologi Dan Industri Pangan*, XIV.