

## DAFTAR PUSTAKA

- Al-Awwaly, K.U., A. Manab dan E. Wahyuni. 2010. Pembuatan Edible Fil Protein Whey:Kajian Rasio Protein Dan Gliserol Terhadap Sifat Fisik Dan Kimia. Jurnal Ilmu Dan Teknologi Hasil Ternak. 5(1): 45–56.
- alencia-Chamorro, A, and Silvia . "Antimicrobial edible films and coatings for fresh and minimally processed fruits and vegetables: a review." Critical reviews in food science and nutrition 51.9 .2011: 872-900.
- Almeida, K., A.Y. Tamime., dan M. N. Oliveira. 2008. Acidification Rates Of Probiotic in Minas Frescal Cheese Whey. LWT,41,31, 311-316.
- AOAC. 2005. Official Method of Analysis. Association of Official Analytical of Chemist. Benjamin Franklin Station. Washington DC.
- Arifin, S. N., N.I. Sari dan Suparmi. 2015. Pengaruh edible coating dari karagenan terhadap mutu ikan kembung perempuan (*Rastrelliger brachysoma*) segar selama penyimpanan suhu dingin. Jurnal Online Mahasiswa, Fakultas Perikanan dan Ilmu Kelautan, Universitas Riau.
- Arsesya, A. K. 2021. Karakter Fisik, Mekanik, Barrier, dan Zona Hambat Edible Film Whey Produk Samping Keju Mozarella Dengan Penambahan Gliserol dan Antimikroba dari Ekstrak Jahe Merah. Skripsi. Fakultas Pertanian Peternakan. Universitas Muhamadiyah Malang.
- Badan Standardisasi Nasional. 2013. SNI 7642:2013 - Keju. Jakarta: Badan Standardisasi Nasional.<https://standar.bsn.go.id>
- Badan Standarisasi Nasional. 2020. Syarat Mutu Keju Mozzarella. SNI 8896-2020. Badan Standarisasi Nasional Indonesia. Jakarta.
- Baldwin, E. A., R. D. Hagenmaier dan J. Bai. 2011. Edible coatings and films to improve food quality. CRC Press.
- Binsi, P. K., C.N. Ravishankar., C.O. Mohan and T.K. Srinivasa Gopal. 2013. Development and characterization of edible films based on chitosan and virgin coconut oil with oregano oil. Food Hydrocolloids, 32(1), 60–71.
- Bounous, G. 2000. Whey Protein Concentrate (WPC) and Glutathione Modulation in Cancer Treatment. Anticancer Research, 20(6c), 4785-4792
- Bourtoom, T. 2008. Edible films and coatings: characteristics and properties. International Food Research Journal, 15(3), 237-248.
- Božanić, R., I. Barukčić., dan K. Lisak., Jakopović., L. Tratnik. 2014. Possibilities of Whey Utilisation. Journal of Nutrition and Food Sciences, 2(7), 1–7.

- Cazón, P., G. Velazquez., J.A. Ramírez., dan M. Vázquez. 2017. Polysaccharide-based films and coatings for food packaging: A review. *Food Hydrocolloids*, 68, 136–148. <https://doi.org/10.1016/j.foodhyd.2016.09.009>
- Coniwanti, Pamilia, Dewi Pertiwi, dan Diana Mutia Pratiwi. "Pengaruh peningkatan konsentrasi gliserol dan vco (virgin coconut oil) terhadap karakteristik edible film dari tepung aren." *Jurnal Teknik Kimia* 20.2 (2014).
- Cuq, B., N. Gontard., dan S. Guilbert. 1998. Proteins as agricultural polymers for packaging production. *Cereal Chemistry*, 75(1), 1–9. <https://doi.org/10.1094/CCHEM.1998.75.1.1>
- Damodaran, S., K. L. Parkin., dan O. R. Fennema. 2017. Fennema's food chemistry (5th ed.). CRC Press.
- Daulay, D. 1991. Buku/Monograf Fermentasi Keju. PAU Pangan dan Gizi Institut Pertanian Bogor, Bogor.
- Dayrit, F. M. 2015. The properties of lauric acid and their significance in coconut oil. *Journal of the American Oil Chemists' Society*, 92, 1–15. <https://doi.org/10.1007/s11746-014-2562-7>
- DebMandal, M dan S. Mandal. 2011. Coconut (*Cocos nucifera* L.: Arecaceae): In health promotion and disease prevention. *Asian Pacific Journal of Tropical Medicine*, 4(3), 241–247. [https://doi.org/10.1016/S1995-7645\(11\)60078-3](https://doi.org/10.1016/S1995-7645(11)60078-3)
- Dhall, R. K. 2013. Advances in edible coatings for fresh fruits and vegetables: a review. *Critical Reviews in Food Science and Nutrition*, 53(5), 435–450. <https://doi.org/10.1080/10408398.2010.541568>
- Everett, D. 2003. Functionality of Directly Acidified Mozzarella Cheese Using Different Acid Types. Thesis Topics for 2003. Food Science Department, University of Otago
- Fadhel, B., D. Yosra. 2021 "Effect of irradiation and the use of combined treatments with edible bioactive coating on carrot preservation." *Food Packaging and Shelf Life* 28 : 100635.
- Falguera, V., J.P. Quintero., A. Jiménez., J.A. Muñoz dan A. Ibarz. 2011. Edible films and coatings: Structures, active functions and trends in their use. *Trends in Food Science and Technology*, 22(6) ,292–303. <https://doi.org/10.1016/j.tifs.2011.02.004>
- Fox, P. F., T. P. Guinee., T. M. Cogan., L. H. Paul dan Sweeney. 2000. Fundamentals of Chese Science. Aspem Publishet, Inc. New York.

- Galus, S., A. Lenart dan F. Debeaufort. 2015. Film-forming properties and storage stability of edible films based on whey protein isolate and whey protein concentrate. *Food Hydrocolloids*, 49, 251-259
- Gopala Krishna, A. G., G. Raj dan A. S. Bhatnagar 2010. Coconut oil: Chemistry, production and its applications – A review. *Indian Coconut Journal*, 73(10), 15–27.
- Hamzah, B., A. Wijaya dan T. W. Widowati. 2022. Teknologi fermentasi pada industri pengolahan keju. UPT. Penerbit dan Percetakan. Universitas Sriwijaya. Palembang.
- Han, J. H., dan A. Gennadios. 2005. Edible films and coatings: A review. In J. H. Han (Ed.), *Innovations in Food Packaging* (pp. 239–262). Academic Press. <https://doi.org/10.1016/B978-012311632-1/50028-4>
- Handayani, T, Sutarno, dan D. S Ahmad. 2004. Analisis Komposisi Nutrisi Rumput Laut *Sargassum crassifolium*. *Jurnal Biofarmasi*. ISSN: 1693- 2242. 2:2 45-52.
- Hasniarti. 2012. Studi Pembuatan Permen Buah Dengen (Dillenia Serrata Thumb.).[Skripsi].
- Herawati, H. 2011. Peluang Pemanfaatan Tapioka Termodifikasi sebagai Fat Replacer pada Keju Rendah Lemak. Seminar Nasional Teknologi Peternakan dan Veteriner. Masagena Press. Makassar.
- Huri, D., dan F. C. Nisa. 2014. Pengaruh Konsentrasi Gliserol dan Karakteristik Ampas Kulit Apek Terhadap Karakteristik Fisik dan Kimia Edible Film. *Jurnal Pangan dan Agroindustri*, 2 (4): 29-40.
- Juliyarsi, I., Arief, D. Akmal., dan P. Endang. 2019. Characteristics Based Of Edible Film Made From Whey With Isolated Lactic Acid Bacteria From Tempoyak As Probiotics Packaging. *IOP Conference Series: Earth and Environmental Science*,287(1).<https://doi.org/10.1088/1755-1315/287/1/012027>.
- Juliyarsi, I., S. Melia., dan A. Sukma. 2011. The Quality Of Edible Film By Using Glycerol As Plastisizer. *Pakistan Journal Of Nutrition*, 10(9), 884–887. <https://doi.org/10.3923/pjn.2011.884.887>.
- Jumaza, S. R., T. N Azul., E. N Dwi., dan P. Ninik. "Emulsification of Virgin Coconut Oil (VCO) with Grass Jelly (*Cyclea barbata* Miers) Using Kappa Carragenan and Konjac into VCO Jelly Product." International Conference on Sustainable Environment, Agriculture and Tourism (ICOSEAT 2022). Atlantis Press, 2022.

- Kindstedt, P. S., P. F. Fox, P. L. H. McSweeney, T. M. Cogan, dan T. P. Guinee 2004. Mozzarella cheese (Eds.), Cheese: Chemistry, physics and microbiology (Vol. 2, pp. 199–210). Elsevier Academic Press.
- Komar N., C. Hawa dan P. Rika. 2009. Karakteristik Termal Produk Keju Mozzarella (Kajian Konsentrasi Asam Sitrat). Jurnal Teknologi Pertanian 10 (2) : 78–87.
- Koyo M A., R. A. Umbang., dan R. B. Agus. 2016. Tingkat penggunaan santan kelapa dan tepung ubi hutan (*Dioscorea hispida* dennts) pada pembuatan es krim. Media Agrosains Vol. (1): 16-24.
- Krochta, J. M., dan E. A. Baldwin. 2020. Edible coatings and films to improve food quality. In J. H. Han (Ed.), Edible Coatings and Films to Improve Food Quality(pp. 1–30). CRC Press.<https://doi.org/10.1201/9780203910439.ch1>
- Lamusu, D. 2018. Uji Organoleptik Jalangkote Ubi Jalar sebagai upaya Diversifikasi Pangan. Jurnal Pengolahan Pangan, 3(1), 9–15.
- Lawless, H. T dan H. Heymann. 2010. Sensory evaluation of food: Principles and practices (2nd ed.). Springer. <https://doi.org/10.1007/978-1-4419-6488-5>
- Madureira, A. R., T. Tavares., A. M. P., M. E. Pintado., dan F. X. Malcata. 2010. Invited review: Physiological properties of bioactive peptides obtained from wheyproteins. Journal of Dairy Science, 93(11), 437–455. <https://doi.org/10.3168/jds.2009-2721>
- Mahon, D. J., dan C. J. Oberg. 2007. Manufacture of mozzarella and pizza cheese. In P. F. Fox, P. L. H. McSweeney, T. M. Cogan, and T. P. Guinee (Eds.), Cheese: Chemistry, physics and microbiology (Vol. 2, pp. 337–394). Elsevier Academic Press. [https://doi.org/10.1016/S1874-558X\(06\)80021-4](https://doi.org/10.1016/S1874-558X(06)80021-4)
- Malaka, R. 2014. Teknologi Aplikatif Pengolahan Susu. Surabaya: Brillian Internasional Surabaya.
- Manab, A., M. E. Sawitri, dan K.U. A. Awwaly. 2017. Edible Film Protein Whey (Penambahan Lisozim Telur dan Aplikasi di Keju). Malang:UB Media
- Mandal, D. 2011. Coconut (*Cocos nucifera* L.: Arecaceae): In health promotion and disease prevention. Asian Pacific Journal of Tropical Medicine, 4(3), 241–247
- Mansor, T. S. T., R. Ahmad., dan F. Anwar. 2012. Virgin coconut oil: Emerging functional food oil. Trends in Food Science and Technology, 22(5), 338–344.

- Marina, A. M., Y. B. Che Man dan I. Amin. 2009. Virgin coconut oil: Emerging functional food oil. *Trends in Food Science and Technology*, 20(10), 481–487. <https://doi.org/10.1016/j.tifs.2009.06.003>
- McMahon, D. J., dan Oberg, C. J. 2007. Manufacture of mozzarella and pizza cheese. In P. F. Fox, P. L. H. McSweeney, T. M. Cogan, & T. P. Guinee (Eds.), *Cheese: Chemistry, physics and microbiology* (Vol. 2, pp. 337–394). Elsevier Academic Press. [https://doi.org/10.1016/S1874-558X\(06\)80021-4](https://doi.org/10.1016/S1874-558X(06)80021-4)
- McSweeney, Paul LH, ed. *Cheese problems solved*. Elsevier, 2007.
- Naqash, S., S. Fayaz., S. Khan., B. N. Dar dan H. A. Makroo. 2022. Application of natural antimicrobial agents in different food packaging systems and their role in shelf-life extension of food: A Review. *Journal of Packaging Technology and Research*, 6(2), 73-89
- Narayananakutty, A., S. P. Illam., dan A. C. Raghavamenon. 2018. Health impacts of different edible oils prepared from coconut (*Cocos nucifera*): A comprehensive review. *Trends in Food Science & Technology*, 80, 1-7.
- Nursiwi, A. R. Utami dan M. Adriani. 2015. "Fermentasi whey limbah keju untuk produksi kefir oleh kefir grains." *Jurnal Teknologi Hasil Pertanian* 8.1 2015: 37-45.
- Purbasari, A., S. B. M. Abduh, dan Y. B. Pramono. 2014. Nilai pH, Kekentalan, Citarasa Asam, dan Kesukaan pada Susu Fermentasi dengan Perisa Alami Jambu Air (*Syzygium sp*). *Jurnal Aplikasi Teknologi Pangan* 3(4): 174-176.
- Purwadi, P. 2007. Uji Coba Penggunaan Jus Jeruk Nipis dalam Pembuatan Keju Mozzarella. *Jurnal Ilmu dan Teknologi Hasil Ternak*. 2(2), 28-34.
- Putra, B. D. 2019. Aplikasi Edible Coating Berbasis Karagenan dengan Penambahan Minyak Kelapa untuk Meminimalisasi Susut Bobot Cabai Merah (*Capsicum annum L.*) Pada Suhu Ruang. Bandar Lampung: Skripsi. Fakultas Pertanian. Universitas Lampung
- Raghavendra, S. N., dan K. S. M. S. Raghavarao. 2010. Effect of different treatments for the destabilization of coconut milk emulsion. *Journal of Food Engineering*, 97(3), 341–347.
- Rahmawati, E. 2006. Pembuatan Keju Segar (Kajian Pengaruh Konsentrasi Rennet dan Lama Koagulasi terhadap Sifat Fisik, Kimia dan Ogranoletik). Skripsi. Teknologi Hasil Pertanian, Universitas Brawijaya. Malang.
- Ramos, O. L., I. M. E. Fernandes. M. E. Silva, Pintado. dan F. X. Malcata. 2012. Edible coatings and films from whey proteins: A review on formulation,

- properties and use in cheese packaging. *Food Research International*, 46(2), 469–481.
- Sameen, A., M. A. Fariq, H. Nuzhat dan N. Haq. 2008. Quality Evaluation of Mozzarella Cheese from Different Milk Sources. *Pakistan Journal of Nutrision* 7(6): 753-756.
- Setyaningsih, D., A. Apriyantono, dan M. P. Sari. 2014. Analisis Sensori untuk Industri Pangan dan Agro. Cetakan I. IPB Press. Bogor
- Shahidi, F. 2005. Bailey's industrial oil and fat products: Edible oil and fat products: Oils and oilseeds (Vol. 2, 6th ed.). Wiley-Interscience
- Shellhammer, T. H., dan J. M. Krochta. "Whey protein emulsion film performance as affected by lipid type and amount." *Journal of Food Science* 62.2 1997: 390-394.
- Soekarto, S. 1985. Penilaian Organoleptik untuk Industri Pangan dan Hasil Pertanian. Bharata Karya Aksara. Jakarta.
- Sugiyino. 2010. Ilmu Bahan Pangan. Yogyakarta: Universitas Negeri Yogyakarta.
- Sumarmono, J. dan F. Suhartati. 2012. Yield dan Komposisi Keju Lunak (soft cheese) dari Susu Sapi yang Dibuat dengan Teknik Direct Acidification Menggunakan Ekstrak Buah Lokal. *Jurnal Aplikasi Teknologi Pangan*.1 (3) : 65-68.
- Sunarya, H., A. Legowo., dan P. Sambodho. 2016. Kadar Air, Kadar Lemak dan Tekstur Keju Mozzarella dari Susu Kerbau, Susu Sapi dan Kombinasinya. *Animal Agriculture Journal*, 5(3): 17-22.
- Susanto, T. dan D. Widyaningsih. 2004. Dasar-Dasar Ilmu Pangan dan Gizi. Akademika Yogyakarta, Yogyaka
- Susiwi. 2009. Penilaian Organoleptik. Bandung: Pendidikan Kimia FPMIPA
- Tongnuanchan, P., dan S. Benjakul. 2014. Impact of essential oils and lipid-based components incorporated into edible films and coatings on their properties and food applications. *Journal of Food Science*, 79(5), R893–R900. <https://doi.org/10.1111/1750-3841.12494>
- Tsamona, Khallash. 2015. Pengaruh Konsentrasi Ekstrak Ubi Jalar Merah (*Ipomea batatas*) dan Lama Fermentasi Terhadap Derajat Keasaman, Kadar Laktosa, dan Nilai Organoleptik Pada Whey Fermentasi. Padang : Universitas Andalas.
- Valencia-Chamorro, S. A., L. Palou., M. A. del Río., dan M. B. Pérez-Gago. 2011. Antimicrobial edible films and coatings for fresh and minimally processed

- fruits and vegetables: A review. Critical Reviews in Food Science and Nutrition, 51(9), 872–900. <https://doi.org/10.1080/10408398.2010.507437>
- Waysima., Adawiyah., dan R. Dede. 2010. Evaluasi Sensori (Cetakan ke-5). Bogor: Fakultas Teknologi Pertanian Institut Pertanian Bogor.
- Widarta, I. W. R, Wisaniyasa, N. W. dan Prayekti, H. 2016. Pengaruh Penambahan Wiedyantara, A. B., Rizqiati, H., dan Bintoro, V. P. 2017. Aktivitas antioksidan, Winarno, F. G. 1992. Kimia Pangan dan Gizi. Gramedia Utama Pustaka. Jakarta.
- Winarno, F. G. 2004. Kimia Pangan dan Gizi. Yogyakarta: Universitas Gadjah Mada.
- Winarno, F. G. 2008. Kimia pangan dan gizi. Jakarta: Gramedia Pustaka Utama
- Winarno, F.G. 2011. Kimia Pangan dan Gizi. Jakarta: PT Gramedia Pustaka Utama.

