

DAFTAR PUSTAKA

- Altimiras, P., Pyle, L., & Bouchon, P. 2007. Structure- fat Migration Relationship During Storage of Cocoa Butter Model Bars: Bloom Development and Possible Mechanism. *Journal of Food Engineering*, 80(2), 600-610. <https://doi.org/10.1016/j.jfoodeng.2006.06.022>
- Da Silva, T. L.T., Arellano, D. B., & Martini, S. 2019. Interactons Between Candelilla Wax and Saturated Triacylglycerols in Oleogels. *Food Research International*. 121, 900-909. <https://doi.org/10.1016/j.foodres.2019.01.018>
- Davidovich-Pinhas, M. 2018. Oleogels. Polymeric Gels, 231-249. <https://doi.org/10.1016/b978-0-08-102179-8.00008-9>
- Deng, Y., Peng. C., Dai, M., Lin. D., Ali, I., Alhewairini, S., Naz, I. 2020. Recent Development of Super-Wettable Materials and Their Application in Oil-Water Separation. *Journal of Cleaner Production*, 266(art), 121624. <https://doi.org/10.1016/j.jclepro.2020.121624>
- Dipowaseso, D. A., Nurwantoro, N., & Hintono, A. 2018. Karakteristik Fisik dan Daya Oles Selai Kolang-Kaling yang Dibuat Melalui Substitusi Pektin dengan Modified Cassava Flour (MOCAF) sebagai Bahan Pengental. *Jurnal Teknologi Pangan*, 2(1), 1-7. Retrieved from <http://ejournal3.undip.ac.id/index.php/tekpangan/article/view/20680>
- Doan, C. D., Patel, A. R., Tavernier, I., De Clereq, N., Van Raemdonck, K., Van de Walle, D. 2016. The feasibility of Wax-Based Oleogel as a Potential Costruturant with Palm Oil in Low-Saturated Fat Confectionary Fillings. *European Journal of Lipid Science and Technology*. 118(12), 1903-1914. <https://doi.org/10.1002/ejlt.201500172>
- Domingues, M. A. F., Da Silva, T. L. T., Ribeiro, A. P. B., Chiu, M. C., & Goncalves, L. A. G. 2018. Structural Characteristics of Crystals Formed in Palm Oil Using Sorbitan Tristearate and Sucrose Stearate. *International Journal of Food Properties*. 21(1), 618-631. <https://doi.org/10.1080/10942912.2018.1440237>
- Fayaz, G., Goli, S. A. H., Kadivar, M., Valoppi, F., Barba, L., Calligaris, S., & Nicoli, M. C. 2017. Potential Application of Pomegranate Seed Oil Oleogels Based on Monoglycerides, Beeswax and Propolis Wax as Partial Substitutes of Palm Oil in Functional Chocolate Spread. *LWT, Food and Technology*, 86, 523-529. <https://doi.org/10.1016/j.lwt.2017.08.036>



- Fitriani, Nur U. A., Yusuf, M., Pirman, Syahriati, & Rahmiah, S. 2020. Physicochemical, Antioxidant and Sensory Properties of Chocolate Spread Fortified with Jackfruit Flour. *Food Research*, 4(6), 2147-2155. [https://doi.org/10.2665/fr.2017.4\(6\).262](https://doi.org/10.2665/fr.2017.4(6).262)
- Fitriyono, Ayustaningwarno. 2012. Proses Pengolahan dan Aplikasi Minyak Sawit Merah pada Industri Pangan. *Vitaspehere*, II, 1-11.
- Godoi, K. R. R. De Basso, R. C., Ming, C. C., da Silva, A. A., Cardoso, L. P., & Ribeiro, A. P. B. 2020. Crystallization, Microstructure, and Polymorphic Properties of Soybean Oil Organels in a Hybrid Structuring System. *Food Research International*, 137 (March), 109460. <https://doi.org/10.1016/j.foodres.2020.109460>
- Godoi, K. R. R. De Basso, R. C., Ming, C. C., da Silva, A. A., Da Cunha, R. L. Da Barrera-Arellano. D., & Ribeiro, A. P. B. 2019. Physicochemical and Rheological Properties of Soybean Organogels: Interactions Between Different Structuring Agents. *Food Research International*, 124(April 2018), 108475. <https://doi.org/10.1016/j.foodres.2019.05.023>
- HA, H., & Ijah. 2018. Peningkatan Kesukaan Minyak Sawit Merah dengan Penambahan Minyak Nabati atau Flavor dan Stabilitasnya dalam Penggorengan Berulang. *Jurnal Penelitian Kelapa Sawit*, 26(1), 1-9.
- Harahap, I. S., Wahyuningsih, P., & Amri, Y. 2020. Analisa Kandungan Beta Karoten pada CPO (Crude Palm Oil) di Pusat Penelitian Kelapa Sawit (PPKS) Medan Menggunakan Spektrofotometri Uv-Vis. *QUIMICA: Jurnal Kimia Sains dan Terapan*, 2(1), 9-13. <https://doi.org/10.33059/jq.v2i1.2616>
- Hasibuan, H., & R. Meilano. 2018. Penggunaan Minyak Sawit Merah dalam Pembuatan Sambal Cabai Merah Tumis. *Jurnal Teknologi Pertanian*, 19(2), 95-106.
- Hasibuan, H., Abdi, A., Akram, A., Putri, P., Mentari, E. C., & Rangkuti, B. T. 2018. Pembuatan Margarin dan Baking Shortening Berbasis Minyak Sawit Merah dan Aplikasinya dalam Produk Bakery. 38(4), 353-363.
- Hassim, N. A. M., & Ismail, N. H. 2018. Palm Fractions and Phytonutrients in Chocolate Spread. *Palm Oil Developments*, 68(June 2018), 5-8.
- Husin, H. 2012. Katalis Bimetal Cu-Cr/Diatomea Untuk Hidrogenasi Minyak Sawit. *Jurnal Teknologi dan Industri Pertanian Indonesia*, 4(2).

- Hwang, H., Kim, S., Singh, M., Winkler-Moser, J., & Liu, S. 2012. Organogel formation of soybean oil with waxes. Journal of the American Oil Chemists' Society, 89, 639–647.
- ICAM. (2008). Technical bulletin (42/001A). Italy: Lecco.
- Idris, M. (2020). Deretan Daerah dengan Lahan Sawit Terluas, Siapa Juaranya? KOMPAS.Com. Retrieved from <https://money.kompas.com/read/2020/02/01/164000226/deretan-daerah-dengan-lahan-sawit-terluas-siapa-juaranya-?page=all>
- Isyanti, M., Sudibyo, A., Supriatna, D., & Suherman, H. 2015. Penggunaan Berbagai Cocoa Butter Substitute (CBS) Hasil Hidrogenasi dalam Pembuatan Cokelat Batangan. Journal of Agro-Based Industry, 32(1), 33-44.
- Kim, J. Y., Lim, J., Lee, J. H., Hwang, H. S., & Lee, S. 2017. Utilization of Oleogels as a Replacement for Solid Fat in Aerated Baked Goods: Physicochemical, Rheological, and Tomographic Characterization. Journal of Food Science, 82(2), 445-452. <https://doi.org/10.1111/1750-3841.12583>
- Kistianna, I., Wahyu, T. E., Astuti, F., Lasma, R, G., & Apriana, I. 2019. Penggunaan Organel dan Monoglicerida serta Pitosterol sebagai Pengganti Asam Lemak Hewani dalam Produk Sosis Olahan Daging. Seminar Nasional Kimia 2018, 4, 73-81. <https://doi.org/10.1080/0034408630580209>
- Kupan, S., Hamid, H., Kulkarni, A., & Yusoff, M. 2016. Extraction and Analysis of Beta-carotene Recovery in CPO and Oil Palm Waste by Using HPLC. ARPN Journal of Engineering and Applied Sciences, 11(4), 2184-2188.
- Lee, W., CP, T., R, S., RL, S, J., & GH, C. 2018. Microencapsulation of Red Palm Oil as An Oil-in-water Emulsion ith Supercritical Carbon Dioxide Solution-Ebhanced Dispersion. Journal of Food Engineering, 222, 100-109. <https://doi.org/10.1016/j.jfoodeng.2017.11.011>.
- Li, L., & LIU, g. 2019. Corn Oil-Based Oleogels with Different Gelation Mechanism as Novel Cocoa Butter Alternatives in Dark Chocolate. Journal of Food Engineering, 263, 114-122. <https://doi.org/10.1016/j.jfoodeng.2019.06.001>
- Limbardo, R. P., Santoso, H., & Witono, J. R. 2017. The Effect of Coconut Oil and Palm Oil as Substituted Oils to Cocoa Butter on Chocolate Bar Texture and Melting Point. AIP Conference Proceedings, 1840. <https://doi.org/10.1063/1.4982281>



- Loppies, J. E., Ristanti, E. Y., Ramlah, S., Lullung, S. A., & Amalia, A. N. 2016. Karakteristik Oleogel dari Minyak Nabati Menggunakan Lilin Lebah dan Lemak Kakao sebagai Oleogelator. *Jurnal Industri Hasil Perkebunan*, 33-43.
- Lupi, F. R., Gabriele, D., Facciolo, D., Baldino, N., Seta, L., & de Cindio, B. 2012. Effect of organogelator and fat source on rheological properties of olive oil-based organogels. *Food Research International*, 46(1), 177–184. <https://doi.org/10.1016/j.foodres.2011.11.029>
- Malaysian Palm Oil Board. 2017. *Pocketbook of Palm Oil Uses* (7th ed.).
- Manzocco, L., Calligaris, S., Camerin, M., Pizzale, L., & Nicoli, M. C. 2014. Prediction of Firmness and Physical Stability of Low Fat Chocolate Spreads. *Journal of Food Engineering*, 126, 120-125.
- Martins, A. J., Cerqueira, M. A., Pastrana, L. M., Cunha, R. L., & Vicente, A. A. 2019. Sterol Based Oleogels Characterization Envisioning Food Applications. *Journal of The Science of Food and Agriculture*, 99(7), 3318-3325. <https://doi.org/10.1002/jsfa.9546>
- Martins, I. S. 2017. Oleogelation as A Strategy to Prevent Migration Induced Fat Bloom.
- Meng, Z., Qi, K., Guo, Y., Wang, Y., & Liu, Y. 2018. Macro-micro Structure Characterization and Molecular Properties of Emulsion Templated Polysaccharide Oleogels. *Food Hydrocolloids*, 77, 17-29. <https://doi.org/10.1016/j.foodhyd.2017.09.006>
- Mert, B., & Demirkesen, I. 2016. Reducing Saturated Fat with Oleogel Shortening Blends in Baked Product. *Food Chem*, 199, 809-816.
- Mezzomo, N., & Ferreira, S. R. S. 2016. Carotenoids Functionality, Sources and Processing by Supercritical Technology: A Review. *Journal of Chemistry*. <https://doi.org/10.1155/2016/3164312>
- Mohanty, B., Pal, K., Quereshi, D., Nayak, S. K., Rathnam, V. S. S., Banarjee, I., & Rout, S. K. 2020. Oleogels Based on Palmitic Acid and Safflower Oil: Novel Formulation for Ocular Drug Delivery of Voriconazole. *European Journal of Lipid Science and Technology*, 122(4), 1-15. <https://doi.org/10.1002/ejlt.201900288>
- Muhammadiyah, A. A. 2017. Evaluasi Karakteristik Fisik dan Kimia Lemak Kakao (Kajian: Asal Biji, Suhu, dan Lama Penyangraian). Universitas Brawijaya.



Mursalin, M. 2018. Engineering Process of Deodorization to Improve Product Quality of Red Palm Oil with Eich of Carotene. Indonesian Food Science and Technology Journal, 1(1), 20-26. <https://doi.org/10.22437/ifstj.v1i1.5014>.

National Center for Biotechnology Information. 2021a. PubChem Compound Summary for CID 12410, Hentriacontane. Retrieved June 4, 2021, from pubchem.ncbi.nlm.nih.gov website:
<https://pubchem.ncbi.nlm.nih.gov/compound/Hentriacontane>

National Center for Biotechnology Information. 2021b. Pub Chem Compound Summary for CID 5460048, Triglyceride. Retrieved June 4, 2021, from pubchem.ncbi.nlm.nih.gov website:
<https://pubchem.ncbi.nlm.nih.gov/compound/Triglyceride>

National Institutes of Health. 2021. Vitamin A: Fact Sheet for Health Professionals. Retrieved from Office of Dietary Supplements website:
<https://ods.od.nih.gov/factsheets/VitaminA-HealthProfessional/>

Nikiforidis, C., Gilbert, E., & Scholten, E. 2015. Organogel Formation Via Supramolecular Assembly of Oleic Acid & Sodium Oleate. Rsc Advances, 5(59), 47466-47475. <https://doi.org/10.1039/c5ra05336f>

Nurhasanah, S., Wulandari, N. U. R., Munarso, S. J., & Hariyadi, P. 2017. Sintesis Dan Potensi Aplikasi Lipida Terstruktur Berbasis Minyak Kelapa Dan Minyak Kelapa Sawit Untuk Industri Pangan Fungsional. 16(2), 111–121.
<https://doi.org/http://dx.doi.org/10.21082/psp.v16n2.2017>

Nursamsul, I. M. 2016. Pengaruh Variasi Jumlah Lemak Kakao Dan Palm Stearin Yang Ditambahkan Terhadap Sifat Fisik Dan Sensoris Cokelat Batang. Universitas Gadjah Mada.

O'Brien, R. 2008. Oils And Fats: Formulating And Processing For Applications. New York.

O'Sullivan, C. M., Barbut, S., & Marangoni, A. G. 2016. Edible Oleogels For The Oral Delivery of Lipid Soluble Molecules: Composition And Structural Design Considerations. Trends In Food Science And Technology, 57, 59–73.
<https://doi.org/10.1016/j.tifs.2016.08.018>

Öğütcü, M., & Yilmaz, E. 2014. Oleogels Of Virgin Olive Oil With Carnauba Wax And Monoglyceride as Spreadable Products. Grasas Aceites, 65(3), e040.
<https://doi.org/10.3989/gya.0349141>



- Patel, A., Rajarethinem, PS Gredowska, A., Turhan, O., Lesaffer, A., De Vos, W. H., & Dewettinck, K. 2014. Edible Applications of Shellac Oleogels: Spreads, Chocolate Paste and Cakes. *Food Function*, 5(4), 645–652.
- Patel, A., Schatteman, D., De Vos, W., Lesaffer, A., & Dewettinck, K. 2013. Preparation and Rheological Characterization of Shellac Oleogels and Oleogel-Based Emulsions. *J. Colloid and Interf. Sci.*, 411, 114–121.
- Patel AR, Barbaahmadi, M., Lesaffer, A., & Dewettinck, K. 2015. Rheological Profiling of Organogels Prepared at Critical Gelling Concentration of Natural Waxes In a Triacylglycerol Solvent. *Journal of Agricultural Food Chemistry*, 63, 4862–4869.
- Pehlivanoğlu, H., Demirci, M., Toker, O. S., Konar, N., Karasu, S., & Sagdic, O. 2018. Oleogels, a Promising Structured Oil For Decreasing Saturated Fatty Acid Concentrations: Production and Food-Based Applications. *Critical Reviews in Food Science and Nutrition*, 58(8), 1330–1341. <https://doi.org/10.1080/10408398.2016.1256866>
- Pernetti, M., van Malssen, K., Floter, E., & Bot, A. 2007. Structuring of Edible Oils By Alternatives To Crystalline Fat. *Current Opinion in Colloid & Interface Science*, 12(4–5), 221–231.
- Phoon, K., Ng, H., Zakaria, R., Yim, H., & Mokhtar, M. 2018. Enrichment of Minor Components From Crude Palm Oil and Palm-Pressed Mesocarp Fiber Oil Via Sequential Adsorption-Desorption Strategy. *Industrial Crops and Products*, 113, 187–195. <https://doi.org/doi:10.1016/j.indcrop.2018.01.039>
- Popov-Raljić, J. V., Laličić-Petronijević, J. G., Dimić, E. B., Popov, V. S., Vujasinović, V. B., Blešić, I. V., & Portić, M. J. 2013. Change of Sensory Characteristics and Some Quality Parameters of Mixed Milk and Cocoa Spreads During Storage Up To 180 Days. *Hemispa Industrija*, 67(5), 781–793. <https://doi.org/10.2298/HEMIND120903004P>
- Pourfarzad, A., & Kisomi, R. S. 2020. Effect Of Lecithin And Mono- And Di-Glycerides On Quality And Shelf Life Of Hazelnut Butter: Chemometric approach. *Polish Journal of Food and Nutrition Sciences*, 70 (4), 399– 408. <https://doi.org/10.31883/pjfn.s/129719>
- Purnama, K. O., Setyaningsih, D., Hambali, E., & Taniwiryo, D. 2020. Processing, Characteristics, and Potential Application of Red Palm Oil - A review. *International Journal of Oil Palm*, 3(2), 40–55. <https://doi.org/10.35876/ijop.v3i2.47>

Puscas, A., Muresan, V., Socaciu, C., & Muste, S. 2020. Oleogels in Food: A Review of Current and Potential Applications. *Foods*, 9(1), 1–27.
<https://doi.org/10.3390/foods9010070>

Radočaj, O. F., Dimić, E. B., & Vujsinović, V. B. 2011. Optimization of The Texture of Fat-Based Spread Containing Hullless Pumpkin (*Cucurbita pepo L.*) Seed Press-cake. *Acta Periodica Technologica*, 42, 131–143.
<https://doi.org/10.2298/APT1142131R>

Ristanti, E. Y., Loppies, J. E., Ramlah, S., Wahyuni, & Ariyanti, M. 2018. Preparation of Restructured Palm Oil For Industrial Specialty Fat Using Beeswax-Cocoa Butter as Oleogelator. *AIP Conference Proceedings*, 2049(December).
<https://doi.org/10.1063/1.5082417>

Riyadi, AH., TR, Muchtadi., N, Andarwulan., T, H. 2016. Pilot Plant Study Of Red Palm Oil Deodorization Using Moderate Temperature. *Agriculture and Agricultural Science Procedia*, 9, 209–216.
<https://doi.org/Doi:10.1016/j.aaspro.2016.02.129>

Rochmah, M. M., Ferdiansyah, M. K., & Nurdyansyah, F. 2019. Pengaruh Penambahan Hidrokoloid dan Konsentrasi Sukrosa terhadap Karakteristik Fisik dan Organoleptik Selai Lembaran Pepaya (*Carica papaya L.*). 7(4), 42–52.

Rodríguez-Hernández, A. K., Pérez-Martínez, J. D., Gallegos-Infante, J. A., Toro-Vazquez, J. F., & Ornelas-Paz, J. J. 2021. Rheological Properties of Ethyl Cellulose-Monoglyceride-Candelilla Wax Oleogel Vis-A-Vis Edible Shortenings. *Carbohydrate Polymers*, 252(October 2020).
<https://doi.org/10.1016/j.carbpol.2020.117171>

Saini, R. K., Nile, S. H., & Park, S. W. 2015. Carotenoids From Fruits And Vegetables: Chemistry, Analysis, Occurrence, Bioavailability And Biological Activities. *Food Research International*, 76, 735–750.
<https://doi.org/10.1016/j.foodres.2015.07.047>

Sampebarra, A. L., Khaerunnisa, Ristanti, E. Y., & Asriati, D. W. 2019. Karakteristik Cokelat Spread Dengan Penambahan Oleogel Dari Oleogator Lemak Kakao. *Jurnal Industri Hasil Perkebunan*, 14(2), 24–32. <https://doi.org/DOI: http://dx.doi.org/10.33104/jihp.v14i2.5387>

Sánchez-Becerril, M., Marangoni, A. G., Perea-Flores, M. J., Cayetano-Castro, N., Martínez-Gutiérrez, H., Andraca-Adame, J. A., & Pérez-Martínez, J. D. 2018. Characterization of the micro and nanostructure of the candelilla wax



organogels crystal networks. Food Structure, 16(October 2017), 1–7.
<https://doi.org/10.1016/j.foostr.2018.02.001>

Santos, C. S. dos, Kanup, R. F., Albuquerque, M. A. C., Bedani, R., Souza, C. H. B. de, Gioielli, L. A., ... Ract, J. N. R. 2020. Effect of Enzymatic Interesterification on The Textural And Nutritional Properties Of A Probiotic Table Spread Containing Milk Fat. LWT - Food Science and Technology, 124(August 2019), 109129. <https://doi.org/10.1016/j.lwt.2020.109129>

Sinaga, A. G. S., Siahaan, D., & Sinaga, K. R. 2018. Potensi Minyak Sawit Merah Dan Karotenoid Sebagai Suplemen Antioksidan Dalam Pengujian Toleransi Glukosa Pada Tikus Putih (Preliminary Study). Talenta Conference Series: Tropical Medicine (TM), 1(1), 251–256. <https://doi.org/10.32734/tm.v1i1.84>

Soleimanian, Y., Goli, S. A. H., Shirvani, A., Elmizadeh, A., & Marangoni, A. G. 2020. Wax-based delivery systems: Preparation, characterization, and food applications. In Comprehensive Reviews in Food Science and Food Safety (Vol. 19). <https://doi.org/10.1111/1541-4337.12614>

Sugiyono, Wibowo, M., Soekopitojo, S., & Wulandari, N. 2012. Pembuatan Bahan Baku Spreads Kaya Karoten Dari Minyak Sawit Merah Melalui Interesterifikasi Enzimatik Menggunakan Reaktor Batch. Jurnal Teknologi Dan Industri Pangan, 23(2), 117–125. <https://doi.org/10.6066/jtip.2012.23.2.117>

Sumarna, D, LS, W., & H. Suprapto. 2017. Studi Karakteristik Minyak Sawit Merah Dari Pengolahan Konvensional CPO (Crude palm oil). Jurnal Teknologi Pertanian Universitas Mulawarman, 12(2), 35–38.

Sumarna, Deny & Mulawarman, U. 2019. Studi Metode Pengolahan Minyak Sawit Merah (Red Palm Oil) DARI. (August).

Sundram, K., Karupaiah, T., & Hayes, K. C. 2007. Stearic Acid-Rich Interesterified Fat And In, Trans-Rich Fat Raise The LDL/HDL Ratio And Plasma Glucose Relative To Palm Olein Humans. Nutrition & Metabolism, 4(1), 3. <https://doi.org/https://doi.org/10.1186/1743-7075-4-3>

Tavernier, I., Doan, C. D., Van der Meeren, P., Heyman, B., & Dewettinck, K. 2018. The Potential of Waxes to Alter the Microstructural Properties of Emulsion-Templated Oleogels. European Journal of Lipid Science and Technology, 120(3). <https://doi.org/10.1002/ejlt.201700393>



Toro-Vazquez, J. F., Charó-Alonso, M. A., Pérez-Martínez, J. D., & Morales- Rueda, J. A. 2011. Candelilla Wax as an Organogelator for Vegetable Oils- An Alternative to Develop Trans-free Products for the Food Industry. In Edible Oleogels: Structure and Health Implications (Second Edi). <https://doi.org/10.1016/B978-0-9830791-1-8.50009-7>

Wahyuni, S., & Dhora, A. 2019. Saponifikasi-Netralisasi Asam Oleat Minyak Sawit Menjadi Foaming Agent Ramah Lingkungan. 29(3), 317–326. <https://doi.org/10.24961/j.tek.ind.pert.2019.29.3.3173>

Wang, H., & Maleky, F. 2018. Effects of cocoa butter triacylglycerides and minor compounds on oil migration. Food Research International, 106(December 2017), 213–224. <https://doi.org/10.1016/j.foodres.2017.12.057>

Wibisono, A., Lestari, N., & Isyanti, M. 2015. Pengaruh Variasi Komposisi Lemak Cokelat , Olein Sawit dan Minyak Ikan Patin terhadap Kandungan

Nutrisi Cokelat Oles The Effects of Cocoa Butter , Palm Olein and Catfish Oil Composition Variation on The Nutritional Value of Chocolate Spread. Journal of Agro-Based Industry, 32(2), 51–61.

Widarta, I. W. R., Andarwulan, N., & Haryati, T. 2012. Optimasi Proses Deasidifikasi Dalam Pemurnian Minyak Sawit Merah Skala Pilot Plant. Jurnal Teknologi Dan Industri Pangan, 13(1), 41–46.

Widiastuti, A., & Judiono, J. 2018. Pengaruh Substitusi Sari Kacang Komak (Lablab Purpureus (L.) Sweet) Dan Susu Skim Terhadap Sifat Organoleptik, Nilai pH, Dan Total Bakteri Asam Laktat Yoghurt Kacang Komak. Media Gizi Indonesia, 12(1), 72. <https://doi.org/10.20473/mgi.v12i1.72-79>

Wijaya, W., Sun, Q. Q., Vermeir, L., Dewettinck, K., Patel, A. R., & Van der Meer, P. 2019. pH and Protein to Polysaccharide ratio control the structural properties and viscoelastic network of HIPE-templated biopolymeric oleogels. Food Structure, 21(April), 100112. <https://doi.org/10.1016/j.foostr.2019.100112>

Winkler-Moser, J. K., Anderson, J., Felker, F.C., & Hwang, H.S. 2019. Physical Properties of Beeswax, Sunflower Wax, and Candelilla Wax Mixtures and Oleogels. JAOCs, Journal of The American Oil Chemists' Society, 96(10), 1125-1142. <https://doi.org/10.1002/aocs.12280>

Yuliasari, S., Fardiaz, D., Andarwulan, N., & Yuliani, S. 2016. Karakteristik Enkapsulat Minyak Sawit Merah Dengan Pengayaan β -Karoten. 107–116.



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Oleogel Red Palm Oil dengan Gelator Candelilla Wax dan Cocoa Butter pada Red Chocolate Spread
dan
Stabilitas Beta Karoten selama Penyimpanan
RIRISIA FEBRI Z H, Prof. Dr. Ir. Chusnul Hidayat; Arima Diah Setiowati, S.T.P., M.Sc., Ph.D
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Zevenbergen, H., de Bree, A., Zeelenberg, M., Laitinen, K., van Duijn, G., & Flöter, E. 2009. Foods with a high fat quality are essential for healthy diets. Annals of Nutrition & Metabolism, 54 Suppl 1(Suppl. 1), 15–24.
<https://doi.org/https://doi.org/10.1159/000220823>