

DAFTAR PUSTAKA

- Aulia, I., Mu'awanah, U., Setiaji, B., & Syoufian, A. (2014). Pengaruh Konsentrasi Virgin Coconut Oil (VCO) Terhadap Stabilitas Emulsi Kosmetik dan Nilai Sun Protection Factor (SPF) The Concentration Effect of Virgin Coconut Oil (VCO) on Stability of Emulsion Cosmetic and Sun Protection Factor (SPF). *Berkala MIPA*, 24(1), 1-11
- Blegur, F., & Indrawati, M. I. M. (2015). Uji Aktivitas Minyak Kelapa Murni Atau Virgin Coconut Oil (VCO) Terhadap Kecepatan Pertumbuhan Rambut Kelinci Jantan Tahun 2014. *FarmasiKoe* 1(1): 45-49.
- Boateng, L., Ansong, R., Owusu, W. B., & Steiner-Asiedu, M. (2016). Coconut oil and palm oil's role in nutrition, health and national development: A review. In *Ghana medical journal* 50 (3) 189–196. <https://doi.org/10.4314/gmj.v50i3.11>
- Botahala, L. (2019). Perbandingan Efektivitas Daya Adsorpsi Sekam Padi Dan Cangkang Kemiri Terhadap Logam Besi (Fe) Pada Air Sumur Gali. *Deepublish*.
- Chavda, V. P., Patel, A. B., Mistry, K. J., Suthar, S. F., Wu, Z.-X., Chen, Z.-S., & Hou, K. (2022). Nano-Drug Delivery Systems Entrapping Natural Bioactive Compounds for Cancer: Recent Progress and Future Challenges. *Frontiers in Oncology*, 12. <https://doi.org/10.3389/fonc.2022.867655>
- Chime, S. A., Kenechukwu, F. C., & Attama, A. A. (2014). Nanoemulsions — Advances in Formulation, Characterization and Applications in Drug

Delivery. In *Application of Nanotechnology in Drug Delivery*. InTech.

<https://doi.org/10.5772/58673>

Davis, M. G., Piliang, M. P., Bergfeld, W. F., Caterino, T. L., Fisher, B. K., Sacha, J. P., Carr, G. J., Moulton, L. T., Whittenbarger, D. J., & Schwartz, J. R. (2021). Scalp application of antioxidants improves scalp condition and reduces hair shedding in a 24-week randomized, double-blind, placebo-controlled clinical trial. *International Journal of Cosmetic Science*, 43(S1).

<https://doi.org/10.1111/ics.12734>

de Souza Simões, L., Madalena, D. A., Pinheiro, A. C., Teixeira, J. A., Vicente, A. A., & Ramos, Ó. L. (2017). Micro- and nano bio-based delivery systems for food applications: In vitro behavior. *Advances in Colloid and Interface Science*, 243, 23–45. <https://doi.org/10.1016/j.cis.2017.02.010>

Ghani, N. A. A., Channip, A. A., Chok Hwee Hwa, P., Ja'afar, F., Yasin, H. M., & Usman, A. (2018). Physicochemical properties, antioxidant capacities, and metal contents of virgin coconut oil produced by wet and dry processes. *Food Science and Nutrition*, 6(5), 1298–1306.

<https://doi.org/10.1002/fsn3.671>

Guttoff, M., Saberi, A. H., & McClements, D. J. (2015). Formation of vitamin D nanoemulsion-based delivery systems by spontaneous emulsification: Factors affecting particle size and stability. *Food Chemistry*, 171, 117–122.

<https://doi.org/10.1016/j.foodchem.2014.08.087>

- Hamel, A. F., Menard, M. T., & Novak, M. A. (2017). Fatty acid supplements improve hair coat condition in rhesus macaques. *Journal of Medical Primatology*, 46(5), 248–251. <https://doi.org/10.1111/jmp.12271>
- Handayani, F. S., Nugroho, B. H., & Munawiroh, S. Z. (2018). Optimasi formulasi nanoemulsi minyak biji anggur energi rendah dengan d-optimal mixture design (DMD). *Jurnal Ilmiah Farmasi*, 14(1), 17–34. <https://doi.org/10.20885/jif.vol14.iss1.art03>
- Hapsari Ayu, H., Martien, R., & Murwanti, R. (2020). Formulasi dan Uji Efektivitas Sediaan Nanoemulsi O/W Minyak Kemiri (*Aleurites moluccana* (L)) Terhadap Laju Pertumbuhan Rambut pada Tikus Putih Jantan. *UGM Repository*.
- Hartati Yuliani, S., Hartini, M., Pudyastuti, B., & Perdana Istyastono, E. (2016). Comparison Of Physical Stability Properties Of Pomegranate Seed Oil Nanoemulsion Dosage Forms With Long-Chain Triglyceride And Medium-Chain Triglyceride As The Oil Phase Perbandingan Stabilitas Fisis Sediaan Nanoemulsi Minyak Biji Delima Dengan Fase Minyak Long-Chain Triglyceride Dan Medium-Chain Triglyceride. *Traditional Medicine Journal*, 21(2), 93–98.
- Harris, B. (2021). Kerontokan Dan Kebotakan Pada Rambut Hair Loss And Alopecia. *Jurnal Kedokteran Dan Kesehatan-Fakultas Kedokteran Universitas Islam Sumatera Utara*, 20(2).

- Hasanah, A. (2017). Efek Jus Bawang Bombay (Allium Cepa Linn.) Terhadap Motilitas Spermatozoa Mencit Yang Diinduksi Streptozotocin (STZ). *Saintika Medika*, 11(2), 92. <https://doi.org/10.22219/sm.v11i2.4203>
- Herbianto, A. S. (2018). Pengaruh Perbedaan Konsentrasi Surfaktan Terhadap Karakter Fisik dan pH Nanoemulsi Pencerah Kulit. *Jurnal Ilmiah Mahasiswa Universitas Surabaya*, 7(1), 736–746.
- Ja'Afar, S. M., Khalid, R. M., Othaman, R., Mokhtar, W. N. A. W., & Ramli, S. (2019). Coconut oil based microemulsion formulations for hair care product application. *Sains Malaysiana*, 48(3), 599–605. <https://doi.org/10.17576/jsm-2019-4803-12>
- Kartika Sari, D., & Wibowo, A. (2016). Perawatan Herbal pada Rambut Rontok Majority. 5 (5. 129-134.
- Kim, S., & Ahn, C. (2023). Determination of penetration and protection of fatty acids in bleached hair according to the fatty acid chain length and the application to understanding the protective effects of MCT oil and coconut oil. *Fashion and Textiles*, 10(1). 1-24 <https://doi.org/10.1186/s40691-023-00332-0>
- Koland, M., Priya, S., & Kumari N, S. (2015). Nanoemulsion components screening of quetiapine fumarate: Effect of surfactant and co surfactant. *Asian Journal Of Pharmaceutical and Clinical Research* 8(6). 136 -140 <https://www.researchgate.net/publication/286313984>
- Kong, W. Y., Salim, N., Masoumi, H. R. F., Basri, M., da Costa, S. S., & Ahmad, N. (2018). Optimization of hydrocortisone-loaded nanoemulsion formulation

- using D-optimal mixture design. *Asian Journal of Chemistry*, 30(4), 853–858. <https://doi.org/10.14233/ajchem.2018.21104>
- Kusumawardani, G. P. (2020). Optimasi Dan Karakterisasi Nanoemulsi Ekstrak Daun Karika (Lenne K Koch) Sebagai Kandidat Skin Antiaging. *Indonesian Journal of Pharmacy and Natural Product*, 3–11.
- Le Floc'h, C., Cheniti, A., Connétable, S., Piccardi, N., Vincenzi, C., & Tosti, A. (2015). Effect of a nutritional supplement on hair loss in women. *Journal of Cosmetic Dermatology*, 14(1), 76–82. <https://doi.org/10.1111/jocd.12127>
- Ludya Pulung, M., Yogaswara, R., Fajar, D., & Sianipar, R. D. N. (2016). Potensi Antioksidan Dan Antibakteri Virgin Coconut Oil Dari Tanaman Kelapa Asal Papua. *Chem. Prog*, 9(2). <https://doi.org/10.35799/cp.9.2.2016.27991>
- Mappamasing, F., Anwar, E., & Mun'im, A. (2015). Formulasi, Karakterisasi dan Uji Penetrasi In Vitro Resveratrol Solid Lipid Nanopartikel dalam Krim Topikal (Formulation, Characterization and In Vitro Penetration Study of Resveratrol Solid Lipid Nanoparticles in Topical Cream). *Jurnal Ilmu Kefarmasian Indonesia*, 13(2), 137–144.
- Nestor, M. S., Ablon, G., Gade, A., Han, H., & Fischer, D. L. (2021). Treatment options for androgenetic alopecia: Efficacy, side effects, compliance, financial considerations, and ethics. *Journal of Cosmetic Dermatology*, 20(12), 3759–3781. <https://doi.org/10.1111/jocd.14537>
- Purwantono, Kusrini, M. D., & Masy'ud, B. (2016). Manajemen Penangkaran Empat Jenis Kura-Kura Peliharaan Dan Konsumsi Di Indonesia (Captive

Breeding Management of Four Species Turtle for Pet and Consumption in Indonesia). Jurnal Penelitian Hutan Dan Konservasi Alam. 13(2) . 119-135.

Radhiah, A., & Erika, C. (2022). Karakteristik Fisikokimia dari Virgin Coconut Oil (VCO) yang Diproduksi dengan Metode Penggaraman dan Fermentasi Menggunakan Ragi Roti (Physicochemical Characteristics of Virgin Coconut Oil (VCO) Produced by Salting Method and Fermentation using bread Yeast). *Jurnal Ilmiah Mahasiswa Pertanian*, 7(2).

www.jim.unsyiah.ac.id/JFP

Rukmana, R. H., & Yudirachman, H. H. (2016). Untung berlipat dari budidaya kelapa. *Lily*.

Ryu, H. S., Jeong, J., Lee, C. M., Lee, K. S., Lee, J. N., Park, S. M., & Lee, Y. M. (2021). Activation of hair cell growth factors by linoleic acid in malva verticillata seed. *Molecules*, 26(8). 1-9.

<https://doi.org/10.3390/molecules26082117>

Salvia-Trujillo, L., Martín-Belloso, O., & McClements, D. (2016). Excipient Nanoemulsions for Improving Oral Bioavailability of Bioactives. *Nanomaterials*, 6(1), 17. <https://doi.org/10.3390/nano6010017>

Senapati, P. C., Sahoo, S. K., & Sahu, A. N. (2016). Mixed surfactant based (SNEDDS) self-nanoemulsifying drug delivery system presenting efavirenz for enhancement of oral bioavailability. *Biomedicine & Pharmacotherapy*, 80, 42–51. <https://doi.org/10.1016/j.biopha.2016.02.039>

- Sharma, B., & Sharma, A. (2016). Future Prospect Of Nanotechnology In Development Of Anti-Ageing Formulations. *International Journal of Pharmacy and Pharmaceutical Sciences*. 4(3). 57-66
- Shah, R., Eldridge, D., Palombo, E., & Harding, I. (2014). Optimisation and Stability Assessment of Solid Lipid Nanoparticles using Particle Size and Zeta Potential. In *Journal of Physical Science*. 25(1). 59-75.
- Shoviantari, F., Liziarmeilia, Z., Bahing, A., Agustina Fakultas Farmasi, L., & Ilmu Kesehatan Bhakti Wiyata, I. (2019). Uji Aktivitas Tonik Rambut Nanoemulsi Minyak Kemiri (*Aleurites moluccana* L.). *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*, 6(2), 69.
- Son, H.-Y., Lee, M.-S., Chang, E., Kim, S.-Y., Kang, B., Ko, H., Kim, I.-H., Zhong, Q., Jo, Y.-H., Kim, C.-T., & Kim, Y. (2019). Formulation and Characterization of Quercetin-loaded Oil in Water Nanoemulsion and Evaluation of Hypocholesterolemic Activity in Rats. *Nutrients*, 11(2), 244.
<https://doi.org/10.3390/nu11020244>
- Sudjadi, & Rohman, A. (2016). *Analisis Derivat Babi*. UGM Press.
- Sulhatun, Mutiawati, & Kurniawan, E. (2020). Pengaruh Temperatur Dan Waktu Pemasakan Terhadap Perolehan Minyak Kemiri Dengan Menggunakan Cara Basah. *Jurnal Teknologi Kimia Unimal*, 9(2), 54–60.
- Sun, J., Feng, X., Lyu, C., Zhou, S., & Liu, Z. (2022). Effects of different processing methods on the lipid composition of hazelnut oil: A lipidomics

- analysis. *Food Science and Human Wellness*, 11(2), 427–435.
<https://doi.org/10.1016/j.fshw.2021.11.024>
- Sutradhar, K. B., & Amin, Md. L. (2013). Nanoemulsions: increasing possibilities in drug delivery. *European Journal of Nanomedicine*, 5(2).
<https://doi.org/10.1515/ejnm-2013-0001>
- Susilowati, N., & Primaswari, R. (2012). Pengambilan Minyak Biji Kemiri (Aleurites moluccana, Wild) Melalui Ekstraksi Dengan Menggunakan Soxhlet. *Journal of Chemical Information and Modeling*.
- Tamashiro, F. L., Yukuyama, M. N., Velasco, M. V. R., De Araújo, G. L. B., & Bou-Chacra, N. A. (2021). Nanoemulsions containing plant oils: How do they influence hair treatment? *International Journal of Cosmetic Science*, 43(2), 136–143. <https://doi.org/10.1111/ics.12667>
- VanBuren, C. A., & Everts, H. B. (2022). Vitamin A in Skin and Hair: An Update. In *Nutrients* 14 (14). MDPI. <https://doi.org/10.3390/nu14142952>
- Widyasaputra, R., Bimantio, M. P., Oktavianty, H., Ruswanto, A., & Ngatirah. (2022). Karakteristik Viskositas Dan Titik Leleh Pada Campuran Minyak Sawit Merah Dan Minyak Jagung. *PROSIDING SEMINAR NASIONAL INSTIPER*, 1(1), 225–232. <https://doi.org/10.55180/pro.v1i1.258>
- Wijayanti, D., Pangesti Yudiaستاری, I., & Safitri, L. (2017). Marlina Dwi Wijayanti Ivo Pangesti Y Lilis Safitri Pembuatan Virgin Coconut Oil (VCO) dari Kelapa Hibrida Menggunakan Metode Penggaraman Dengan NaCl dan Garam Dapur Universitas Mulawarman Virgin Coconut Oil Production From

Hybrid Coconut Use Salting Method With Nacl And Salt. In *Jurnal Chemurgy* 1(2).

Yousef H, Alhajj M, Sharma S. Anatomy, Skin (Integument), Epidermis. [Updated 2022 Nov 14]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2023 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK470464/>

Yuenyong, J., Pokkanta, P., Phuangsaijai, N., Kittiwachana, S., Mahatheeranont, S., & Sookwong, P. (2021). GC-MS and HPLC-DAD analysis of fatty acid profile and functional phytochemicals in fifty cold-pressed plant oils in Thailand. *Helicon*, 7(2). <https://doi.org/10.1016/j.heliyon.2021.e06304>

Yuliani, F., Rohman, A., & Riyanto, S. (2018). Autentikasi Minyak Kemiri (*Aleurites moluccana*, Wild.) dengan Spektroskopi Inframerah dan Kemometrika. *Universitas Gadjah Mada Repository*.