DAFTAR PUSTAKA

Abels, C. dan Angelova-Fischer, I. (2018) 'Skin Care Products: Age-Appropriate Cosmetics', *Current Problems in Dermatology (Switzerland)*, 54, pp. 173–182. doi: 10.1159/000489531.

Ahmad, J., Gautam, A., Komath S., Bano, M., Garg, A., Jain, K. (2018) 'Topical Nano-emulgel for Skin Disorders: Formulation Approach and Characterization', *Recent Patents on Anti-Infective Drug Discovery*, 14(1), pp. 36–48. doi: 10.2174/1574891x14666181129115213.

Ahmady, A., Amini, M.H., Zhakfar A., Babak, G., Sediqi, M.N. (2020) 'Sun protective potential and physical stability of herbal sunscreen developed from afghan medicinal plants', *Turkish Journal of Pharmaceutical Sciences*, 17(3), pp. 285–292. doi: 10.4274/tjps.galenos.2019.15428.

Akhtar, N., Adnan Q., Ahmad M., Mehmood, A., Farzana K. (2009) 'Rheological studies and characterization of different oils', *Journal of the Chemical Society of Pakistan*, 31(2), pp. 201–206.

Ali Khan, B., Ullah S., Khan M.K., Alshahrani, S.M., Braga V.A. (2020) 'Formulation and evaluation of Ocimum basilicum-based emulgel for wound healing using animal model', *Saudi Pharmaceutical Journal*, 28(12), pp. 1842–1850. doi: 10.1016/j.jsps.2020.11.011.

Ali, S. M. dan Yosipovitch, G. (2013) 'Skin pH: From basic science to basic skin care', *Acta Dermato-Venereologica*, 93(3), pp. 261–267. doi: 10.2340/00015555-1531.

Andonova, V. Y., Peneva P., Apostolova E., Dimcheva T.D., Pechev, Z.L., Kassarova M.L. (2017) 'Carbopol hydrogel/sorbitan monostearate-almond oil based organogel biphasic formulations: Preparation and characterization of the bigels', *Tropical Journal of Pharmaceutical Research*, 16(7), pp. 1455–1463. doi: 10.4314/tjpr.v16i7.1.

Arshad, W., Khan H., Akhtar N., Mohammad, I.S. (2020) 'Polymeric emulgel carrying cinnamomum tamala extract: Promising delivery system for potential topical applications', *Brazilian Journal of Pharmaceutical Sciences*, 56, pp. 1–11. doi: 10.1590/S2175-97902019000418318.

Barbieri, J. S., Wanat, K. dan Seykora, J. (2014) *Skin: Basic Structure and Function, Pathobiology of Human Disease: A Dynamic Encyclopedia of Disease Mechanisms*. Published by Elsevier Inc. doi: 10.1016/B978-0-12-386456-7.03501-2.

Baroni, A., Buommino, E., De Gregorio, V., Ruocco, E., Ruocco, V., dan Wolf R. (2012) 'Structure and Function of the Epidermis Related to Barrier Properties', *Clinics in Dermatology*, 30(3), pp. 257–262. doi: 10.1016/j.clindermatol.2011.08.007.

Baumann, L. dan Weisberg, E. (2010) 'Chapter 122 - Olive Oil in Botanical Cosmeceuticals', in Preedy, V. R. and Watson, R. R. B. T.-O. and O. O. in H. and D. P. (eds). San Diego: Academic Press, pp. 1117–1124. doi: https://doi.org/10.1016/B978-0-12-374420-3.00122-4.

Behera, B., Biswal, D., Uvanesh, K., Srivastava A.K., Bhattacharya, M.K., Paramanik, K., dan Pal, K. (2015a) 'Modulating the properties of sunflower oil based novel emulgels using castor oil fatty acid ester: Prospects for topical antimicrobial drug delivery', *Colloids and Surfaces B: Biointerfaces*, 128, pp. 155–164. doi: 10.1016/j.colsurfb.2015.02.026.

Behera, B., Singh, V. K., Kulanthaivel S., Bhattacharya M.K., Paramanik K., Banerjee I., dan Pal, K. (2015b) 'Physical and mechanical properties of sunflower oil and synthetic polymers based bigels for the delivery of nitroimidazole antibiotic - A therapeutic approach for controlled drug delivery', *European Polymer Journal*, pp. 253–264. doi: 10.1016/j.eurpolymj.2015.01.018.

Benítez, J. M. dan Montáns, F. J. (2017) 'The Mechanical Behavior of Skin: Structures and Models for the Finite Element Analysis', *Computers and Structures*, 190, pp. 75–107. doi: 10.1016/j.compstruc.2017.05.003.

Betts, G. J., Young K., Wise J., Johnson, E., Poe, B., Kruse, D.H., Korol, O., Jonson, J.E., Womble, M., dan DeSaix P. (2013) 'Layers of the Skin', in *Anatomy and Physiology*. Houston, Texas: OpenStax. Available at: https://openstax.org/books/anatomy-and-physiology/pages/5-1-layers-of-the-skin (Accessed: 22 February 2021).

Bhattacharya, S. dan Sherje, A. P. (2020) 'Development of resveratrol and green tea sunscreen formulation for combined photoprotective and antioxidant properties', *Journal of Drug Delivery Science and Technology*, 60(1), p. 102000. doi: 10.1016/j.jddst.2020.102000.

BPOM (2015) 'Peraturan Badan Pengawas Obat dan Makanan Nomor 19 Tahun 2015 tentang Persyaratan Teknis Kosmetika', *Bpom*.

Cavinato, M. (2019) *Cosmetics and cosmeceuticals, Encyclopedia of Biomedical Gerontology*. Elsevier Inc. doi: 10.1016/B978-0-12-801238-3.62150-5.

César, F. C. S. dan Maia Campos, P. M. B. G. (2020) 'Influence of vegetable oils in the rheology, texture profile and sensory properties of cosmetic formulations based on organogel', *International Journal of Cosmetic Science*, 42(5), pp. 494–500. doi: 10.1111/ics.12654.

Chang, R. K., Raw, A., Lionberger R., dan Yu, L. (2013) 'Generic Development of Topical Dermatologic Products: Formulation Development, Process Development, and Testing of Topical Dermatologic Products', *AAPS Journal*, 15(1), pp. 41–52. doi: 10.1208/s12248-012-9411-0.

Chang, W. C., Hu, Y., Huang, Q., Hsieh, S.C., dan Shu, Y. (2020) 'Development of a topical applied functional food formulation: Adlay bran oil nanoemulgel', *Lwt*, 117(September 2019), p. 108619. doi: 10.1016/j.lwt.2019.108619.

Costa, R. dan Santos, L. (2017) 'Delivery Systems for Cosmetics - From Manufacturing to The Skin of Natural Antioxidants', *Powder Technology*, 322, pp. 402–416. doi: 10.1016/j.powtec.2017.07.086.

Dalibalta, S., Majdalawieh, A. F. dan Manjikian, H. (2020) 'Health Benefits of Sesamin on Cardiovascular Disease and Its Associated Risk Factors', *Saudi Pharmaceutical Journal*, 28(10), pp. 1276–1289. doi: 10.1016/j.jsps.2020.08.018.

Damayanti, H., Wikarsa, S. dan Jafar, G. (2019) 'FORMULASI NANOEMULGEL EKSTRAK KULIT MANGGIS (Garcinia Mangostana L.)', *Jurnal Riset Kefarmasian Indonesia*, 1(3), pp. 166–176. doi: 10.33759/jrki.v1i3.53.

Dandagi, P. M., Pandey P., Gadad, A. dan Mastiholimath, V. (2020) 'Formulation and evaluation of microemulsion based luliconazole gel for topical delivery', *Indian Journal of Pharmaceutical Education and Research*, 54(2), pp. 293–301. doi: 10.5530/ijper.54.2.34.

Dar, A. A., Verma, N. K. dan Arumugam, N. (2015) 'An Updated Method for Isolation, Purification and Characterization of Clinically Important Antioxidant Lignans - Sesamin and Sesamolin, from Sesame Oil', *Industrial Crops and Products*, 64, pp. 201–208. doi: 10.1016/j.indcrop.2014.10.026.

Daudt, R. M., Back, P., Cardozo, N., Marczak, L. dan Külkamp-Guerreiro, I. (2015) 'Pinhão starch and coat extract as new natural cosmetic ingredients: Topical formulation stability and sensory analysis', *Carbohydrate Polymers*, 134, pp. 573–580. doi: 10.1016/j.carbpol.2015.08.038.

Diaz, J. H. dan Nesbitt, L. T. (2013) 'Sun Exposure Behavior and Protection: Recommendations for Travelers', *Journal of Travel Medicine*, 20(2), pp. 108–118. doi: 10.1111/j.1708-8305.2012.00667.x.

Dong, L., Liu, C., Cun, D. dan Fang, L. (2015) 'The effect of rheological behavior and microstructure of the emulgels on the release and permeation profiles of Terpinen-4-ol', *European Journal of Pharmaceutical Sciences*, 78, pp. 140–150. doi: 10.1016/j.ejps.2015.07.003.

Donglikar, M. dan Deore, S. L. (2016) 'Sunscreens: A review', *Pharmacognosy Journal*, 8(3). doi: 10.5530/pj.2016.3.1.

Draelos, Z. D. (2014) 'Cosmeceuticals: Efficacy and Influence on Skin Tone', *Dermatologic Clinics*, 32(2), pp. 137–143. doi: 10.1016/j.det.2013.12.002.

Driss, F. dan El-benna, J. (2010) *Antioxidant Effect of Hydroxytyrosol , a Polyphenol from Olive Oil by Scavenging Reactive Oxygen Species Produced by Human Neutrophils, Olives and Olive Oil in Health and Disease Prevention*. Elsevier Inc. doi: 10.1016/B978-0-12-374420-3.00143-1.

El-Salamouni, N. S., Ali, M. M., Abdelhady, S. A., Kandil, L. S., Elbatouti, G. A. dan Farid, R. M. (2020) 'Evaluation of chamomile oil and nanoemulgels as a promising treatment option for atopic dermatitis induced in rats', *Expert Opinion on Drug Delivery*, 17(1), pp. 111–122. doi: 10.1080/17425247.2020.1699054.

Esposito, E., Menegatti, E. dan Cortesi, R. (2013) 'Design and characterization of fenretinide containing organogels', *Materials Science and Engineering C*, 33(1), pp. 383–389. doi: 10.1016/j.msec.2012.09.002.

Farris, P. K. (2017) *Topical Skin Care and the Cosmetic Patient*. Second Edi, *Master Techniques in Facial Rejuvenation*. Second Edi. Elsevier Inc. doi: 10.1016/B978-0-323-35876-7.00005-4.

George, H. F. dan Qureshi, F. (2013) 'Newton's Law of Viscosity, Newtonian and Non-Newtonian Fluids', in Wang, Q. J. and Chung, Y.-W. (eds) *Encyclopedia of Tribology*. Boston, MA: Springer US, pp. 2416–2420. doi: 10.1007/978-0-387-92897-5_143.

Ghica, M. V., Hîrjău, M., Lupuleasa, D. dan Dinu-Pîrvu, L. E. (2016) 'Flow and Thixotropic Parameters for Rheological Characterization of Hydrogels', *Molecules (Basel, Switzerland)*, 21(6). doi: 10.3390/molecules21060786.

Ghorbanzadeh, M., Farhadian, S., Golmohammadzadeh, S., Karimi, M. dan Ebrahimi, M. (2019) 'Formulation, Clinical and Histopathological Assessment of Microemulsion Based Hydrogel for UV Protection of Skin', *Colloids and Surfaces B: Biointerfaces*, 179(March), pp. 393–404. doi: 10.1016/j.colsurfb.2019.04.015.

Gravelle, A. J., Davidovich-Pinha, M., Zetzl, A. K., Barbut, S. dan Marangoni A. G. (2016) 'Influence of solvent quality on the mechanical strength of ethylcellulose oleogels', *Carbohydrate Polymers*, 135, pp. 169–179. doi: 10.1016/j.carbpol.2015.08.050.

Harris, L., Rosen-Kligvasser, J. dan Davidovich-Pinhas, M. (2019) 'Gelation of oil using combination of different free fatty acids', *Food Structure*, 21(July), p. 100121. doi: 10.1016/j.foostr.2019.100121.

Hayase, M. (2017) 'Introduction to Cosmetic Materials', in *Cosmetic Science and Technology: Theoretical Principles and Applications*. Odawara, Japan: Elsevier Inc., pp. 149–154. doi: 10.1016/B978-0-12-802005-0.00010-0.

Hirao, T. (2017) *Structure and Function of Skin From a Cosmetic Aspect*, *Cosmetic Science and Technology: Theoretical Principles and Applications*. Choshi, Japan: Elsevier Inc. doi: 10.1016/B978-0-12-802005-0.00040-9.

Horsham, C., Auster, J., Sendall, M., Youl, P., Crane, P., Tenkate, T., Janda, M. dan Kimlin, M. (2014) 'Interventions to decrease skin cancer risk in outdoor workers: Update to a 2007 systematic review', *BMC Research Notes*, 7(1). doi: 10.1186/1756-0500-7-10.

ICH (2003) 'Stability Testing of new Drug Substances and Products Q1A (R2)'. London: European Medicines Agency.

IOC, I. O. C. (2019) 'International trade standard applying to olive oils and olive-pomace oils international trade standard applying to olive oils and olive-pomace oils. COI/T.15/NC No 3/Rev. 5', *COI/T.15/NC No 3/Rev. 13*, (3), p. 17.

Jiang, Y., Liu, B., Wang, B., Sui, X., Zhong, Y., Zhang, L., Mao, Z. dan Xu, H. (2018) 'Cellulose-rich oleogels prepared with an emulsion-templated approach', *Food Hydrocolloids*, 77, pp. 460–464. doi: 10.1016/j.foodhyd.2017.10.023.

Johnson, W., Bergfield, W., Belsito, D., Hill, R. A., Klaassen, C. D., Liebler, D. C., Marks, J. G., Shank, R. C., Slaga, T. J., Snider, P. W. dan Andersen, F. A. (2011) 'Amended Safety Assessment of Sesamum Indicum (Sesame) Seed Oil, Hydrogenated Sesame Seed Oil, Sesamum Sndicum (Sesame) Oil Unsaponifiables, and Sodium Sesameseedate', *International Journal of Toxicology*, 30(3). doi: 10.1177/1091581811406987.

Kaszyńska, J., Łapiński, M., Bielejewski, M., Luboradzki, R. dan Tritt-Goc, J. (2012) 'On the relation between the solvent parameters and the physical properties of methyl-4,6-O-benzylidene-α-d-glucopyranoside organogels', *Tetrahedron*, pp. 3803–3810. doi: 10.1016/j.tet.2012.03.067.

Kemenperin (2018) *Kemenperin: Industri Kosmetik Nasional Tumbuh 20%*. Available at: https://kemenperin.go.id/artikel/18957/Industri-Kosmetik-Nasional-Tumbuh-20 (Accessed: 29 December 2020).

Kemenperin (2020) *Kemenperin: Perubahan Gaya Hidup Dorong Industri Kosmetik*. Available at: https://kemenperin.go.id/artikel/21460/Perubahan-Gaya-Hidup-Dorong-Industri-Kosmetik (Accessed: 29 December 2020).

Kim, J., Kim, D., Lee, S., Yoo, S. dan Lee, S. (2010) 'Correlation of fatty acid composition of vegetable oils with rheological behaviour and oil uptake', *Food Chemistry*, 118(2), pp. 398–402. doi: 10.1016/j.foodchem.2009.05.011.

Kottner, J., Beeckman, A., Voght, A. dan Blume-Peytavi, U. (2019) 'Skin Health and Integrity', in *Innovations and Emerging Technologies in Wound Care*. Elsevier, pp. 183–196. doi: 10.1016/B978-0-12-815028-3.00011-0.

Kumar, C. M. dan Singh, S. A. (2015) 'Bioactive Lignans from Sesame (Sesamum indicum L.): Evaluation of Their Antioxidant and Antibacterial Effects for Food Applications', *Journal of Food Science and Technology*, 52(5), pp. 2934–2941. doi: 10.1007/s13197-014-1334-6.

Kusumawati, I. dan Indrayanto, G. (2013) *Natural Antioxidants in Cosmetics*. 1st edn, *Studies in Natural Products Chemistry*. 1st edn. Surabaya, Indonesia: Copyright © 2013 Elsevier B.V. All rights reserved. doi: 10.1016/B978-0-444-59603-1.00015-1.

de Lafuente, Y., Ochoa-Andrade, A., Parente, M. E., Palena, M. C. dan Jimenez-Kairuz, A. F. (2020) 'Preparation and evaluation of caffeine bioadhesive emulgels for cosmetic applications based on formulation design using QbD tools', *International Journal of Cosmetic Science*, 42(6), pp. 548–556. doi: 10.1111/ics.12638.

Laredo, T., Barbut, S. dan Marangoni, A. G. (2011) 'Molecular interactions of polymer oleogelation', *Soft Matter*, 7(6), pp. 2734–2743. doi: 10.1039/c0sm00885k.

Lauterbach, A. dan Müller-Goymann, C. C. (2015) 'Design of lipid microparticle dispersions based on the physicochemical properties of the lipid and aqueous phase', *International Journal of Pharmaceutics*, 494(1), pp. 445–452. doi: 10.1016/j.ijpharm.2015.08.059.

Lee, J. G., Suh, J. H. dan Yoon, H. J. (2020) 'The Effects of Extracting Procedures on Occurrence of Polycyclic Aromatic Hydrocarbons in Edible Oils', *Food Science and Biotechnology*, 29(9), pp. 1181–1186. doi: 10.1007/s10068-020-00761-3.

Liang, K., Xu, K., Bessarab, D., Obaje, J. dan Xu, C. (2016) 'Arbutin encapsulated micelles improved transdermal delivery and suppression of cellular melanin production', *BMC Research Notes*, 9(1), pp. 1–6. doi: 10.1186/s13104-016-2047-x.

Lichterfeld, A., Hauss, A., Surber, C., Peters, T., Blume-Peytavi, U. dan Kottner, J. (2015) 'Evidence-Based Skin Care: A Systematic Literature Review and the Development of a Basic Skin Care Algorithm', *Journal of Wound, Ostomy and Continence Nursing*, 42(5), pp. 501–524. doi: 10.1097/WON.0000000000000162.

Lin, T. J. (2010) 'Evolution of cosmetics: Increased need for experimental clinical medicine', *Journal of Experimental and Clinical Medicine*, 2(2), pp. 49–52. doi: 10.1016/S1878-3317(10)60009-5.

Lin, T. Y., Wu, P., Hou, C., Chien, T., Chang, Q., Wen, K., Lin, C. dan Chiang, H. (2019) 'Protective effects of sesamin against UVB-induced skin inflammation and photodamage in vitro and in vivo', *Biomolecules*, 9(9). doi: 10.3390/biom9090479.

Liu, Y., Wu, Q., Xia, Z., Wu, Y., Li, Y. dan Gong, Z. (2020) 'Simultaneous and Rapid Determination of Sesamin and Sesamolin in Sesame Oils Using Excitation-Emission Matrix Fluorescence Coupled with Self-Weighted Alternating Trilinear Decomposition', *Journal of the Science of Food and Agriculture*, 100(12), pp. 4418–4424. doi: 10.1002/jsfa.10481.

Lupi, Francesca R., Gabriele D., Seta, L., Baldino, N., de Cindio, B. dan Marino, R. (2015a) 'Rheological investigation of pectin-based emulsion gels for pharmaceutical and cosmetic uses', *Rheologica Acta*, 54(1), pp. 41–52. doi: 10.1007/s00397-014-0809-8.

Lupi, F. R., Gentile, L., Gabriele, D., Mazzulla, S., Baldino, N. dan de Cindio, B. (2015b) 'Olive oil and hyperthermal water bigels for cosmetic uses', *Journal of Colloid and Interface Science*, 459, pp. 70–78. doi: 10.1016/j.jcis.2015.08.013.

Lupi, F. R., Shakeel, A., Greco, V., Oliviero Rossi, C., Baldino, N. dan Gabriele, D. (2016) 'A rheological and microstructural characterisation of bigels for cosmetic and pharmaceutical uses', *Materials Science and Engineering C*, 69, pp. 358–365. doi: 10.1016/j.msec.2016.06.098.

Lupi, F. R., De Santo, M., Cluchi, F., Baldino, N. dan Gabriele, D. (2017) 'A rheological modelling and microscopic analysis of bigels', *Rheologica Acta*, 56(9), pp. 753–763. doi: 10.1007/s00397-017-1030-3.

Majdalawieh, A. F. dan Mansour, Z. R. (2019) 'Sesamol, A Major Lignan in Sesame Seeds (Sesamum indicum): Anti-cancer Properties and Mechanisms of Action', *European Journal of Pharmacology*, 855(May), pp. 75–89. doi: 10.1016/j.ejphar.2019.05.008.

Martinez, R. M., Rosado, C., Velasco, M., Lannes, S. dan Baby, A. (2019) 'Main Features and Applications of Organogels in Cosmetics', *International Journal of Cosmetic Science*, 41(2), pp. 109–117. doi: 10.1111/ics.12519.

Martinez, R. M., Magalhães, W., Sufi, B., Padovani, G., Nazato, L., Velasco, M., Lannes, B. dan Baby, A. (2021) 'Vitamin E-loaded bigels and emulsions: Physicochemical characterization and potential biological application', *Colloids and Surfaces B: Biointerfaces*, 201(October 2020). doi: 10.1016/j.colsurfb.2021.111651.

Mazurkeviciute, A., Ramanauskiene, M., Ivaskiene, M., Grigoni, A. dan Briedis, V. (2018) 'Topical antifungal bigels: Formulation, characterization and evaluation', *Acta Pharmaceutica*, 68(2), pp. 223–233. doi: 10.2478/acph-2018-0014.

Mikołajczak, N., Tańska, M. dan Ogrodowska, D. (2021) 'Phenolic compounds in plant oils: A review of composition, analytical methods, and effect on oxidative stability', *Trends in Food Science and Technology*, 113(February), pp. 110–138. doi: 10.1016/j.tifs.2021.04.046.

Miyahara, R. (2017) 'Emollients', in *Cosmetic Science and Technology: Theoretical Principles and Applications*. Yokohama, Japan, pp. 245–253. doi: 10.1016/B978-0-12-802005-0.00016-1.

Moschini Daudt, R., Medeiros Cardozo, L., Damasceno Ferreira Marczak, L. dan Clemes Külkamp Guerreiro, I. (2018) 'Rheological and physical parameters correlations in formulations with pinhão derivatives stability study: building up an analytical route', *Pharmaceutical Development and Technology*, 23(6), pp. 620–627. doi: 10.1080/10837450.2017.1334217.

Mugglestone, C. J., Mariz, S. dan Lane, M. E. (2012) 'The Development and Registration of Topical Pharmaceuticals', *International Journal of Pharmaceutics*, 435(1), pp. 22–26. doi: 10.1016/j.ijpharm.2012.03.052.

Naga Sravan Kumar Varma, V., Maheshwari, P. V., Navya, M., Reddy, S. C., Shivakumar, H. G. dan Gowda, D. V. (2014) 'Calcipotriol delivery into the skin as emulgel for effective permeation', *Saudi Pharmaceutical Journal*, 22(6), pp. 591–599. doi: 10.1016/j.jsps.2014.02.007.

Nohynek, G. J., Antignac, E., Re, T. dan Toutain, H. (2010) 'Safety assessment of personal care products/cosmetics and their ingredients.', *Toxicology and applied pharmacology*, 243(2), pp. 239–259. doi: 10.1016/j.taap.2009.12.001.

Oroian, M. dan Escriche, I. (2015) 'Antioxidants: Characterization, natural sources, extraction and analysis', *Food Research International*, 74, pp. 10–36. doi: 10.1016/j.foodres.2015.04.018.

Pal, R. R., Parashar, P., Singh, I. dan Saraf, F. (2019) 'Tamanu oil potentiated novel sericin emulgel of levocetirizine: repurposing for topical delivery against DNCB-induced atopic dermatitis, QbD based development and in vivo evaluation', *Journal of Microencapsulation*, 36(5), pp. 432–446. doi: 10.1080/02652048.2019.1637474.

Pathak, N., Rai, A., Kumari, R. dan Bhat, K. V. (2014) 'Value Addition in Sesame: A Perspective on Bioactive Components for Enhancing Utility and Profitability', *Pharmacognosy Reviews*, 8(16), pp. 147–155. doi: 10.4103/0973-7847.134249.

Paul, S. D., Sharma, H., Jeswani, G. dan Jha, A. K. (2017) *Novel Gels: Implications for Drug Delivery, Nanostructures for Drug Delivery*. Elsevier Inc. doi: 10.1016/b978-0-323-46143-6.00012-9.

Phad, A. R., Dilip, N. T. dan Ganapathy, R. S. (2018) 'Emulgel: A Comprehensive Review for Topical Delivery of Hydrophobic Drugs', *Asian Journal of Pharmaceutics*, 12(2), pp. S382–S393.

Pissarenko, A. dan Meyers, M. A. (2020) 'The Materials Science of Skin: Analysis, Characterization, and Modeling', *Progress in Materials Science*, 110(December 2019), p. 100634. doi: 10.1016/j.pmatsci.2019.100634.

Priani, S. E., Dewi, W. K. dan Gadri, A. (2019) 'Formulasi Sediaan Mikroemulsi Gel Anti Jerawat Mengandung Kombinasi Minyak Jinten Hitam (Nigella sativa L.) dan Minyak Zaitun (Olea europaea L.)', *Kartika : Jurnal Ilmiah Farmasi*, 6(2), p. 57. doi: 10.26874/kjif.v6i2.143.

Rachmin, I., Ostrowski, S. M., Weng, Q. dan Fisher, D. (2020) 'Topical treatment strategies to manipulate human skin pigmentation', *Advanced Drug Delivery Reviews*, 153, pp. 65–71. doi: 10.1016/j.addr.2020.02.002.

Ramachandran, S., Rajendra Prasad, N. dan Karthikeyan, S. (2010) 'Sesamol Inhibits UVB-Induced ROS Generation and Subsequent Oxidative Damage in Cultured Human Skin Dermal Fibroblasts', *Archives of Dermatological Research*, 302(10), pp. 733–744. doi: 10.1007/s00403-010-1072-1.

Rao, M., Sukre, G., Aghav, S. dan Kumar, M. (2013) 'Optimization of Metronidazole Emulgel', *Journal of Pharmaceutics*, 2013, pp. 1–9. doi: 10.1155/2013/501082.

Raut, S., Bhadoriya, S., Uplanchiwar, V., Mishra, V., Gahane, A. dan Jain, S. (2012) 'Lecithin organogel: A unique micellar system for the delivery of bioactive agents in the treatment of skin aging', *Acta Pharmaceutica Sinica B*, 2(1), pp. 8–15. doi: 10.1016/j.apsb.2011.12.005.

Redondo-Cuevas, L., Castellano, G., Torrens, F. dan Raikos, V. (2018) 'Revealing the relationship between vegetable oil composition and oxidative stability: A multifactorial approach', *Journal of Food Composition and Analysis*, 66(May 2017), pp. 221–229. doi: 10.1016/j.jfca.2017.12.027.

Rehman, K. dan Zulfakar, M. H. (2014) 'Recent advances in gel technologies for topical and transdermal drug delivery', *Drug Development and Industrial Pharmacy*, 40(4), pp. 433–440. doi: 10.3109/03639045.2013.828219.

El Riachy, M., Bou-Mitri, C., Youssef, A., Andary, R. dan Skaff, W. (2018) 'Chemical and sensorial characteristics of olive oil produced from the lebanese olive variety "Baladi"', *Sustainability (Switzerland)*, 10(12), pp. 1–21. doi: 10.3390/su10124630.

Romana-Souza, B., Sagule, B. O., Pereira de Almeida Nogueira, N., Paes, M., dos Santos Valença, S., Atella, G. C. dan Monte-Alto-Costa, A. (2020) 'Oleic Acid and Hydroxytyrosol Present in Olive Oil Promote ROS and Inflammatory Response in Normal Cultures of Murine Dermal Fibroblasts Through the NF-κB and NRF2 pathways', *Food Research International*, 131(January), p. 108984. doi: 10.1016/j.foodres.2020.108984.

Del Rosso, J. Q. dan Levin, J. (2011) 'The clinical relevance of maintaining the functional integrity of the stratum corneum in both healthy and disease-affected skin', *Journal of Clinical and Aesthetic Dermatology*. Matrix Medical Communications, p. 22. Available at: /pmc/articles/PMC3175800/?report=abstract (Accessed: 23 November 2020).

Ruiz, A., Arias, J. L. dan Gallardo, V. (2010) 'Skin Creams Made with Olive Oil', in *Olives and Olive Oil in Health and Disease Prevention*. Spanyol: Elsevier Inc., pp. 1133–1141. doi: 10.1016/B978-0-12-374420-3.00124-8.

Sagiri, S. S., Behera, B., Rafanan R., Bhattacharya, C., Pal., K., Banerjee, I. dan Rosseau, D. (2014) 'Organogels as matrices for controlled drug delivery: A review on the current state', *Soft Materials*, 12(1), pp. 47–72. doi: 10.1080/1539445X.2012.756016.

Sagiri, Sai Sateesh, Singh, V., Kulanthaivel, S., Banerjee, I., Basak, P., Battachrya, M. K. dan Pal, K. (2015) 'Stearate organogel-gelatin hydrogel based bigels: Physicochemical, thermal, mechanical characterizations and in vitro drug delivery applications', *Journal of the Mechanical Behavior of Biomedical Materials*, 43, pp. 1–17. doi: 10.1016/j.jmbbm.2014.11.026.

Sagiri, S. S., Singh, V., Pal, K., Banerjee, L. dan Battachrya, M. K. (2015) 'Stearic acid based oleogels: A study on the molecular, thermal and mechanical properties', *Materials Science and Engineering C*, 48, pp. 688–699. doi: 10.1016/j.msec.2014.12.018.

Said dos Santos, R., Rosseto, H. C., Bassi da Silva, J., Vecchi, C., Caetano, W. dan Bruschi, M. (2020) 'The effect of carbomer 934P and different vegetable oils on physical stability, mechanical and rheological properties of emulsion-based systems containing propolis', *Journal of Molecular Liquids*, 307. doi: 10.1016/j.molliq.2020.112969.

Shah, D. K., Sagiri, S., Behera, B., Pal, K. dan Pamanik, K. (2013) 'Development of olive oil based organogels using sorbitan monopalmitate and sorbitan monostearate: A comparative study', *Journal of Applied Polymer Science*, 129(2), pp. 793–805. doi: 10.1002/app.38834.

Shahin, M., Abdel Hady, S., Hammad, M. dan Mortada, N. (2011) 'Novel jojoba oil-based emulsion gel formulations for clotrimazole delivery', *AAPS PharmSciTech*, 12(1), pp. 239–247. doi: 10.1208/s12249-011-9583-4.

Sharma, V., Nayak, S., Paul, S., Choudhary, B., Ray, S. dan Pal, K. (2018) 'Emulgels', in *Polymeric Gels*. India: Woodhead Publishing Series in Biomaterials, pp. 251–264. doi: 10.1016/b978-0-08-102179-8.00009-0.

Shin, J. W., Kwon, S., Choi, J., Na, J., Huh, C., Choi, H. dan Park, K. (2019) 'Molecular mechanisms of dermal aging and antiaging approaches',

International Journal of Molecular Sciences, 20(9). doi: 10.3390/ijms20092126.

Singh, V. K., Pal, K., Pradhan, D. dan Pramanik, K. (2013) 'Castor oil and sorbitan monopalmitate based organogel as a probable matrix for controlled drug delivery', *Journal of Applied Polymer Science*, 130(3), pp. 1503–1515. doi: 10.1002/app.39315.

Singh, V. K., Banerjee, I., Agarwal, T., Pramanik, K., Bhattacharya, M. dan Pal, K. (2014) 'Guar gum and sesame oil based novel bigels for controlled drug delivery', *Colloids and Surfaces B: Biointerfaces*, 123, pp. 582–592. doi: 10.1016/j.colsurfb.2014.09.056.

Singh, V. K., Pramanik, K., Ray, S. dan Pal, K. (2015a) 'Development and Characterization of Sorbitan Monostearate and Sesame Oil-Based Organogels for Topical Delivery of Antimicrobials', *AAPS PharmSciTech*, 16(2), pp. 293–305. doi: 10.1208/s12249-014-0223-7.

Singh, V. K., Behera, B., Pramanik, K. dan Pal, K. (2015b) 'Ultrasonication-assisted preparation and characterization of emulsions and emulsion gels for topical drug delivery', *Journal of Pharmaceutical Sciences*, 104(3), pp. 1035–1044. doi: 10.1002/jps.24260.

Singh, V. K., Pandey, P., Agarwal, T., Kumar, D., Banerjee, I., Anis, A. dan Pal, K. (2016) 'Development of soy lecithin based novel self-assembled emulsion hydrogels', *Journal of the Mechanical Behavior of Biomedical Materials*, 55, pp. 250–263. doi: 10.1016/j.jmbbm.2015.10.027.

Singh, V. K., Qureshi, D., Nayak, S. dan Pal, K. (2018) 'Bigels', in *Polymeric Gels*. India: Woodhead Publishing Series in Biomaterials, pp. 265–282. doi: 10.1016/b978-0-08-102179-8.00010-7.

Sinha, P., Srivastava, Mishra, N., Singh, D., Luqman, S., Chanda, D. dan Yadav, N. (2016) 'Development, optimization, and characterization of a novel tea tree oil nanogel using response surface methodology', *Drug Development and Industrial Pharmacy*, 42(9), pp. 1434–1445. doi: 10.3109/03639045.2016.1141931.

Sinila, S. (2016) *Farmasi Fisik*. Jakarta Selatan: Kementerian Kesehatan RI.

Sohail, M., Naveed, A., Abdul, R., Gulfishan Muhammad Shoaib Khan, H. dan Khan, H. (2018) 'An approach to enhanced stability: Formulation and characterization of Solanum lycopersicum derived lycopene based topical emulgel', *Saudi Pharmaceutical Journal*, 26(8), pp. 1170–1177. doi: 10.1016/j.jsps.2018.07.005.

Surber, C. dan Kottner, J. (2017) 'Skin Care Products: What Do They Promise, What Do They Deliver', *Journal of Tissue Viability*, 26(1), pp. 29–36. doi: 10.1016/j.jtv.2016.03.006.

Swe, M. T. H. dan Asavapichayont, P. (2018) 'Effect of silicone oil on the microstructure, gelation and rheological properties of sorbitan monostearate–sesame oil oleogels', *Asian Journal of Pharmaceutical Sciences*, 13(5), pp. 485–497. doi: 10.1016/j.ajps.2018.04.006.

Thakur, N. K., Bharti, P., Mahant, S. dan Rao, R. (2012) 'Formulation and characterization of benzoyl peroxide gellified emulsions', *Scientia Pharmaceutica*, 80(4), pp. 1045–1060. doi: 10.3797/scipharm.1206-09.

Wani, T. A., Masoodi, F., Gani, A., Baba, W., Rahmanian, N., Akhter, R., Wani, I. dan Ahmad, M. (2018) 'Olive Oil and Its Principal Bioactive Compound: Hydroxytyrosol – A Review of the Recent Literature', *Trends in Food Science and Technology*, 77(May), pp. 77–90. doi: 10.1016/j.tifs.2018.05.001.

Yamada, M. dan Prow, T. W. (2020) 'Physical drug delivery enhancement for aged skin, UV damaged skin and skin cancer: Translation and commercialization', *Advanced Drug Delivery Reviews*, 153, pp. 2–17. doi: 10.1016/j.addr.2020.04.008.

Yapar, E. A., Ýnal, Ö. dan Erdal, M. S. (2013) 'Design and in vivo evaluation of emulgel formulations including green tea extract and rose oil', *Acta Pharmaceutica*, 63(4), pp. 531–543. doi: 10.2478/acph-2013-0037.

Zaid, A. N., Jaradat, N., Malkieh, N., Al-Rimawi, S., Hussein, F., Isa, L., Ali, I., Manasra, L., Silwadi, G., Sadder, O. dan Hawash, M. (2019) 'Impact of Sesame Oil source: A Quality Assessment for Cosmeceutical and Pharmaceutical Use', *Fabad Journal of Pharmaceutical Sciences*, 44(3), pp. 189–196.

Zheng, H., Deng, L., Que, F., Feng, F. dan Zhang, H. (2016) 'Physical characterization and antimicrobial evaluation of glycerol monolaurate organogels', *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 502, pp. 19–25. doi: 10.1016/j.colsurfa.2016.05.001.

Zillich, O. V., Schweiggert-Weisz, U., Eisner, P. dan Kerscher, M. (2015) 'Polyphenols as Active Ingredients for Cosmetic Products', *International Journal of Cosmetic Science*, 37(5), pp. 455–464. doi: 10.1111/ics.12218.