

DAFTAR PUSTAKA

- Al-Bukhaiti, W.Q., Noman, A., Qasim, A.S., and Al-Farga, A., 2017, Gas Chromatography: Principles, Advantages and Applications in Food Analysis, *Int. J. Agric. Innov. Res.*, 6, 2319–1473.
- Al-Bukhaiti, W.Q., Noman, A., Qasim, A.S., and Al-Farga, A., 2017, Gas Chromatography: Principles, Advantages and Applications in Food Analysis, *Int. J. Agric. Innov. Res.*, 6, 2319–1473.
- Aoki, T., Decker, E.A., and McClements, D.J., 2005, Influence of environmental stresses on stability of O / W emulsions containing droplets stabilized by multilayered membranes produced by a layer-by-layer electrostatic deposition technique, *Food Hydrocoll.*, 19, 209–220.
- APCC, 2009, *Standard for Virgin Coconut Oil*, Asian and Pacific Coconut Community (APCC), <https://www.apccsec.org/products-detail/virgin-coconut-oil#snav-content2>, diakses 26 Mei 2022.
- Chakraborty, S., Shukla, D., Mishra, B., and Singh, S., 2009, Lipid - An emerging platform for oral delivery of drugs with poor bioavailability, *Eur. J. Pharm. Biopharm.*, 73, 1–15.
- Chiu, H.H. and Kuo, C.H., 2020, Gas chromatography-mass spectrometry-based analytical strategies for fatty acid analysis in biological samples, *J. Food Drug Anal.*, 28, 60–73.
- Cho, Y.H., Kim, S., Bae, E.K., Mok, C.K., and Park, J., 2008, Formulation of a cosurfactant-free O/W microemulsion using nonionic surfactant mixtures, *J. Food Sci.*, 73, 115–121.
- Darmapatni, K.A.G., 2016, Pengembangan Metode GC-MS untuk Penetapan Kadar Acetaminophen pada Spesimen Rambut Manusia, *J. Biosains Pascasarj.*, 18, 255–266.
- Ditjenbun, 2021, *Perkebunan Pembangunan 2020*, Direktorat Jenderal Perkebunan, Jakarta.
- Fletcher, P.D.I. and Morris, J.S., 1995, Turbidity of oil-in-water microemulsion droplets stabilised by nonionic surfactants, *Colloids Surfaces A Physicochem. Eng. Asp.*, 98, 147–154.
- Hanjaya, C., Pranata, F.S., and Swasti, Y.R., 2020, Quality of Virgin Coconut Oil with Addition of Peppermint Oil, *agriTECH*, 40, 215 – 222.
- Hasibuan, C.F. and Nasution, J., 2018, Pembuatan Virgin Coconut Oil (VCO) dengan Menggunakan Cara Tradisional, *J. Pengabd. Masy.*, 1, 128–132.

- Hewavitharana, G.G., Perera, D.N., Navaratne, S.B., and Wickramasinghe, I., 2020, Extraction methods of fat from food samples and preparation of fatty acid methyl esters for gas chromatography: A review, *Arab. J. Chem.*, 13, 6865–6875.
- Huang, Q., Yu, H., and Ru, Q., 2010, Bioavailability and delivery of nutraceuticals using nanotechnology, *J. Food Sci.*, 75, 50–57.
- ICI Americas., 1980, *The HLB System*, ICI Americas Inc., Washington.
- Katepalli, H. and Bose, A., 2014, Response of surfactant stabilized oil-in-water emulsions to the addition of particles in an aqueous suspension, *Langmuir*, 30, 12736–12742.
- Khor, Y.P., Koh, S.P., Long, K., Long, S., Ahmad, S.Z.S., and Tan, C.P., 2014, A comparative study of the physicochemical properties of a virgin coconut oil emulsion and commercial food supplement emulsions, *Molecules*, 19, 9187–9202.
- Koneva, A.S., Safonova, E.A., Kondrakhina, P.S., Vovk, M.A., Lezov, A.A., Chernyshev, Y.S., and Smirnova, N.A., 2017, Effect of water content on structural and phase behavior of water-in-oil (n-decane) microemulsion system stabilized by mixed nonionic surfactants SPAN 80/TWEEN 80, *Colloids Surf. A: Physicochem. Eng. Asp.*, 518, 273–282.
- Kralova, I. and Sjöblom, J., 2009, Surfactants used in food industry: A review, *J. Dispers. Sci. Technol.*, 30, 1363–1383.
- Lachman, L., Lieberman, H.A., and Kanig, J.L., 1994, *Teori dan Praktek Farmasi Industri*, UI Press, Jakarta.
- Mahesar, S.A., Sherazi, S.T.H., Khaskheli, A.R., Kandhro, A.A., and Uddin, S., 2014, Analytical approaches for the assessment of free fatty acids in oils and fats, *Anal. Methods*, 6, 4956–4963.
- Marzuki, N.H.C., Wahab, R.A., and Hamid, M.A., 2019, An overview of nanoemulsion: Concepts of development and cosmeceutical applications, *Biotechnol. Biotechnol. Equip.*, 33, 779–797.
- McClements, D.J., 2004, *Food Emulsions Principles, Practices, and Techniques*, 2nd ed., CRC Press, Boca Raton.
- McClements, D.J., Decker, E.A., and Weiss, J., 2007, Emulsion-based delivery systems for lipophilic bioactive components, *J. Food Sci.*, 72, 109–124.
- McClements, D.J. and Jafari, S.M., 2018, Improving emulsion formation, stability and performance using mixed emulsifiers: A review, *Adv. Colloid Interface Sci.*, 251, 55–79.

- McClements, D.J. and Li, Y., 2010, Structured emulsion-based delivery systems: Controlling the digestion and release of lipophilic food components, *Adv. Colloid Interface Sci.*, 159, 213–228.
- McClements, D.J. and Rao, J., 2011, Food-Grade nanoemulsions: Formulation, fabrication, properties, performance, Biological fate, and Potential Toxicity, *Crit. Rev. Food Sci. Nutr.*, 51, 285–330.
- Mohamed, A.I.A., Sultan, A.S., Hussein, I.A., and Al-Muntasheri, G.A., 2017, Influence of Surfactant Structure on the Stability of Water-in-Oil Emulsions under High-Temperature High-Salinity Conditions, *J. Chem.*, 2017, 1–11.
- Mota, M.F.S., Waktola, H.D., Nolvachai, Y., and Marriott, P.J., 2021, Gas chromatography – mass spectrometry for characterisation, assessment of quality and authentication of seed and vegetable oils, *TrAC - Trends Anal. Chem.*, 138, 116238.
- Natalia, A., Natalia, D., Lukmanto, F., Ani, I., and Tarigan, I.L., 2019, Analysis quality characteristics of virgin coconut oil (VCO): comparisons with cooking coconut oil (CCO), *Med. Lab. Anal. Sci. J.*, 1, 30–36.
- Ng, S.P., Lai, O.M., Abas, F., Lim, H.K., and Tan, C.P., 2014, Stability of a concentrated oil-in-water emulsion model prepared using palm olein-based diacylglycerol/virgin coconut oil blends: Effects of the rheological properties, droplet size distribution and microstructure, *Food Res. Int.*, 64, 919–930.
- Nishikant, P.N., Rajendran, R.B., 2016, Gas Chromatography Mass Spectrometry : Basic principle , Technique and Applications,. In, *Biological techniques : A Laboratory Manual*, Yashini Publications, Cuddalore, pp. 133–138.
- Rao, J. and McClements, D.J., 2011, Formation of flavor oil microemulsions, nanoemulsions and emulsions: Influence of composition and preparation method, *J. Agric. Food Chem.*, 59, 5026–5035.
- Reddy, S.R. and Fogler, H.S., 1981, Emulsion Stability : Determination from Turbidity, *J. Colloid Interface Sci.*, 79, 101–104.
- Römer, A., Rawat, D., Linn, T., and Petry, S.F., 2022, Preparation of fatty acid solutions exerts significant impact on experimental outcomes in cell culture models of lipotoxicity, *Biol. Methods Protoc.*, 7, 1–9.
- Roni, K.A., Rifdah, R., Melani, A., Amina Reformis I, A., and Sri, S.M., 2022, Making Virgin Coconut Oil (VCO) With Enzymatic Method Using Pineapple Hump Extract, *Int. J. Sci. Technol. Manag.*, 3, 685–689.
- Rowe, R.C., Sheskey, P.J., and Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipients*, 6th ed., Pharmaceutical Press, London.

- SNI, 1998, *Cara Uji Minyak dan Lemak*, Badan Standarisasi Nasional, Jakarta.
- SNI, 2008, *Standar Mutu Minyak Kelapa Virgin (VCO)*, Badan Standarisasi Nasional, Jakarta.
- Suhartati, T., 2017, *Dasar-Dasar Spektrofotometri UV-VIS dan Spektrometri Massa untuk Penentuan Struktur Senyawa Organik*, CV. Anugerah Utama Raharja, Bandar Lampung.
- Suryadi, J., Winardi, S., and Nurtono, T., 2019, The Effect of Water Contents to Diesel Fuel-Water Emulsion Fuel Stability, *IPTEK J. Technol. Sci.*, 30, 28–31.
- Thurnhofer, S. and Vetter, W., 2005, A gas chromatography/electron ionization-mass spectrometry-selected ion monitoring method for determining the fatty acid pattern in food after formation of fatty acid methyl esters, *J. Agric. Food Chem.*, 53, 8896–8903.
- Trivana, L., Suyatma, N.E., Hunaefi, D., and Munarso, S.J., 2021, Effect of Surfactant Addition on The Physico-Chemical Properties and Stability of Virgin Coconut Oil Nanoemulsions, *Buletin Palma*, 22, 31.
- Vicentini-Polette, C.M., Ramos, P.R., Gonçalves, C.B., and De Oliveira, A.L., 2021, Determination of free fatty acids in crude vegetable oil samples obtained by high-pressure processes, *Food Chem. X*, 12, 100166.
- Wibowo, S., 2006, The Health Benefits of Virgin Coconut Oil, *Cocoinfo Int.*, 13, 1–5.
- Winarno, F.G., 2014, *Kelapa Pohon Kehidupan*, PT. Gramedia Pustaka Utama, Jakarta.
- Wiyani, L., Aladin, A., and Yani, S., 2016, Stability Of Virgin Coconut Oil Emulsion With Mixed Emulsifiers Tween 80 And Span 80, *ARPN J. Eng. Appl. Sci.*, 11, 5198–5202.