



DAFTAR PUSTAKA

- Afrose, R., Saha, S.K., Banu L.A., Ahmed, A.U., Shahidullah, A.S., Gani, A., Sultana, S., Kabir, M.R., & Ali, M.Y., 2015, Antibacterial Effect of *Curcuma longa* (Turmeric) Against *Staphylococcus aureus* and *Escherichia coli.*, *Mymensingh Medical Journal*, 24(3):506-15.
- Agusta, WT., 2016, Optimasi Formula Sabun Cair Antibakteri Ekstrak Etanol Daun Sirih Merah (*Piper Crocatum Ruiz & Pav*) dengan Variasi Konsentrasi Virgin Coconut Oil (VCO) dan Kalium Hidroksida, *Skripsi*, Fakultas Kedokteran, Universitas Tanjungpura, Pontianak.
- Allen, L.V., Ropovich, N.G., & Ansel, H.C., 2005, *Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems*, Eight Edition, 114, 353, 356-357, Lippincott Williams & Wilkins, Baltimore.
- Anggraini, I., Boesro, S., & Sriwidodo, 2009, Formulasi Sabun Mandi Cair dengan Lendir Daun Lidah Buaya (*Aloe vera Linn.*), *Laporan Penelitian*, Jurusan Farmasi FMIPA, UNPAD, Jatinangor-Sumedang, 1-4.
- Anonim, 1979, *Materia Medika Indonesia*, Edisi III, hal 96, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 2014, *Background review for the excipient propylene glycol*, European Medicines Agency, Committee for Human Medicinal Products (CHMP), EMA/CHMP/334655/2013.
- Anonim, 2015, *Background review for sodium laurilsulfate used as an excipient*, European Medicines Agency, EMA/CHMP/351898/2014, United Kingdom.
- Anuchapreeda, S., Fukumori, Y., Okonogi, S., & Ichikawa, H., 2011, Preparation of Lipid Nanoemulsions Incorporating Curcumin for Cancer Therapy, *Journal of Nanotechnology*, vol 12.
- Apgar, S., 2010, Formulasi Sabun Mandi Cair yang Mengandung Gel Daun Lidah Buaya dengan Basis Virgin Coconut Oil, *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Islam Bandung, Bandung.
- Ari, W., & Budiyono, 2004, Pembuatan Sabun Cair Dengan Bahan Dasar Alkil Benzen Sulfonat, <http://www.angelfire.com>, 13 Mei 2018.
- Attwood, D., 1994, *Microemulsions*, in: J. Kreuter (Ed.) *Colloidal Drug Delivery Systems*, New York, Dekker, pp. 31–71.
- Ayliffe, G.A.J., Fraise, A.P., Geddes, A.M., & Mitchell, K., 2000, *Control of Hospital Infection*, 4th. London: Arnold, 78.
- Azeem, A., Rizwan, M., Ahmad, F.J., Iqbal, Z., Khar, R.K., Aqil, M., & Talegaonkar, S., 2009, Nanoemulsion components screening and selection: a technical note, American Association of Pharmaceutical Scientists *PharmSciTech*, 10:69-70.
- Barco, D., & Giménez-arnau, A., 2008, *Xerosis : a Dysfunction of the Epidermal Barrier*, Actas Dermo-Sifiliográficas (English Ed [Internet], Elsevier; 99(9):671–82, [http://dx.doi.org/10.1016/S1578-2190\(08\)70343-3](http://dx.doi.org/10.1016/S1578-2190(08)70343-3), 12 Mei 2018.



- Barel, A.O., Paye, M., & Maibach, H.I. 2009, *Handbook of Cosmetics Science and Technology*, 3rd Edition. New York, Informa Healthcare USA, Inc.
- Belhadj, Z., Zhang, S., Zhang, W., & Wang, J., 2013, Formulation Development and Bioavailability Evaluation of a Self-nanoemulsifying Drug Delivery System (SNEDDS) of Atorvastatin Calcium, *International Journal of Pharmaceutics*, 29 (1), 1103-1113.
- Bieber, T., 2008, Mechanisms of Disease Atopic Dermatitis, *New England Journal of Medicine*, P43-46.
- Budiyanto, A., Ahmed, N.U., Wu, A., Bito, T., Nikaido, O., Osawa, T., Ueda, M., & Ichihashi, M., 2000, Protective effect of topically applied olive oil against photocarcinogenesis following UVB exposure of mice, *Journal of Carcinog*, 21: 2085–2090.
- Cinar, K., 2017, A Review On Nanoemulsions: Preparation Methods And Stability, *Trakya University Journal of Engineering Sciences*, 18(1): 73-83, 2017 ISSN 2147–0308.
- Costa, J.A., Lucas, E.F., Queiros, Y.G.C., & Mansur, C.R.E., 2012, Evaluation of Nanoemulsions in The Cleaning of Polymeric Resins, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 415: 112-118.
- Cousins, M., J. Adelberg, F. Chen, & J. Rieck, 2007, Antioxidant capacity of fresh and dried rhizomes from four clones of turmeric (*Curcuma longa L.*) grown in vitro, *Industrial Crops and Products* 25: 129-135.
- Date, A.A., Desai, N., Dixit, R., & Nagarsenken, M.S., 2007, Self-nanoemulsifying drug delivery systems: formulation insights, applications and advances, *Nanomedicine*, 5:1595-1616.
- Date, A., Desai, N., Dixit, R. & Nagarsenker, M., 2010, Self-nanoemulsifying drug delivery systems: formulation insights, applications and advances, *Nanomedicine (Lond.)*, 5(10), 1595-1616.
- Dayrit, F.M., Dimzon, I.K., Valde, M.F., Santos, J.E., Garrovillas, M.J., & Villarino, B.J., 2011, Quality characteristics of virgin coconut oil: Comparisons with refined coconut oil, *Union of Pure and Applied Chemistry*, Vol. 83, No. 9, pp. 1789–1799, doi:10.1351/PAC-CON-11-04-01.
- Eccleston, J., 1994, *Microemulsions*, in: J. Swarbrick, J.C. Boylan (Eds.), Encyclopedia of Pharmaceutical Technology, NewYork; Marcel Dekker, pp. 375–421.
- Egawa, G., & Weninger, W., 2015, Pathogenesis of atopic dermatitis: A short review, *Cogent Biology*, 1: 1103459.
- Ekaputri, J., 2018, Formulasi Gel Ekstrak Kulit Manggis (*Garcinia mangostana* Linn.) dengan Variasi Konsentrasi Propilen Glikol dan Uji Aktivitas Antibakteri terhadap *Staphylococcus aureus*, Skripsi, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Elfiyani, R., Amalia, A., & Pratama, S.Y., 2017, Effect of Using the Combination of Tween 80 and Ethanol on the Forming and Physical Stability of Microemulsion of Eucalyptus Oil as Antibacterial, *Journal of Young Pharmacists*, 9(1). 52.



- Exerowa, D., & Kruglyakov, P.M., 1998, Foam and Foam Films: Theory, Experiment, Application, *Elsevier*, 1-3, 494.
- Farn, R.J., 2006, *Chemistry and Technology of Surfactants*, ISBN-13: 978-14051-2696-0.
- Fathi, M., Mozafari, M.R., & Mohebbi, M., 2012, Nanoencapsulation of food ingredients using lipid based delivery systems, *Elsevier, Trends in Food Science & Technology*, 13-27, doi:10.1016/j.tifs.2011.08.003.
- Forbes, A.B., 2007, *Bailey and Scott's Diagnostic Microbiology* (12th ed.). Mosby, St Louis.
- Foster, I., 1998, *The Cosmetic Industry*, Chemcolour Industries (New Zealand) Ltd, New Zealand, 1-6.
- Gupta, P.K., Pandit, J.K., Kumar, A., Swaroop, P., & Gupta, S., 2010, Pharmaceutical nanotechnology Novel Nanoemulsion-High Energy Emulsification preparation, Evaluatin, and Application, *The Pharmaceutical Research*.
- Hajar, E.W.I., & Mufidah S., 2016, Penurunan Asam Lemak Bebas Pada Minyak Goreng Bekas Menggunakan Ampas Tebu Untuk Pembuatan Sabun, *Jurnal Integrasi Proses*, Vol. 6, No. 1 (Juni 2016) 22 – 27.
- Hartati, S.Y., & Balittro, 2013, Khasiat Kunyit Sebagai Obat Tradisional dan Manfaat Lainnya, *Jurnal Pusat Penelitian dan Perkembangan Perkebunan*, 19 : 5 - 9.
- Hawab, H.M., 2007, *Dasar-Dasar Biokimia*. Diadit Media, Jakarta, Hal. 193; 201; 203.
- Henny, L., Salman, & Sukma, H.M., 2008, Uji daya peningkatan penetrasi Virgin Coconut Oil (VCO) dalam basis krim, *Jurnal Sains dan Teknologi Farmasi*, 13(1):13-6.
- Hermawan, A., 2007, Pengaruh Ekstrak Daun Sirih (*Piper betle L.*) terhadap Pertumbuhan *Staphylococcus aureus* dan *Escherichia coli* Dengan Metode Difusi Disk, *Artikel Ilmiah*, Fakultas Kedokteran Hewan, Universitas Airlangga Surabaya.
- Herrwerth, S., Leidreiter, H., Wenk, H.H., Farwick, M.I., Ulrich-Brehm, & Grüning B., 2008, Highly Concentrated Cocamidopropyl Betaine – The Latest Developments for Improved Sustainability and Enhanced Skin Care, *Tenside Surfactants Detergents*, Vol. 45, No. 6, pp. 304-308.
- Hidayati, E., Juli, N., & Marwani, E., 2002, *Isolasi Enterobacteriaceae Patogen dari Makanan Berbumbu dan Tidak Berbumbu Kunyit (Curcuma longa L.) Serta Uji Pengaruh Ekstrak Kunyit (Curcuma longa L.) Terhadap Pertumbuhan Bakteri Yang Diisolasi*, Bandung, Departemen Biologi, FPMIPA ITB.
- Honari, G., & Maibach, H.I., 2014, Skin Structure and Function [Internet]. Applied Dermatotoxicology, Chapter 1, Elsevier Inc, 1-10 p. <http://dx.doi.org/10.1016/B978-0-12-420130-9.00001-3>, 15 Mei 2018.
- Ishitha, C., Kaushik, B., Uday, B., & Ranajit, K.B., 2004, Turmeric and Curcumin: Biological actions and medicinal applications, *Current Science*, 87 (1): 44-53.



- Kabara, J.J., 1978, Fatty acids and derivatives as antimicrobial agents. In: The Pharmacological effect of lipids, *Champaign: American Oil Chemists' Society*, p 1–14.
- Kahlon, T.S., Chow, F.I., Chiu, M.M., Hudson, C.A., & Sayre, R.N., 1996, Cholesterollowering by rice bran and rice bran oil unsaponifiable matter in hamsters, *Cereal Chemistry*, 73(1), 69 - 74.
- Kamel, R., & Basha, M., 2013, Preparation and in vitro evaluation of rutin nanostructured liquisolid delivery system, Buletin of Faculty of Pharmacy, Cairo University, 51:261-272.
- Kennedy, R.A., & Kennedy, M. L., 2007. Effect of Selected Non-Ionic Surfactants on the Flow Behavior of Aqueous Veegum Suspensions, *The American Association of Pharmaceutical Scientists PharmSciTech.*, 8 (1). 4-6.
- Khairunisa, U.N., 2016, Optimasi Formula Sabun Cair Antibakteri Ekstrak Etanol Daun Sirih Merah (Piper Crocatum Ruiz & Pav) Dengan Variasi Konsentrasi Crude Palm Oil (Cpo) Dan Kalium Hidroksida, *Skripsi*, Farmasi Fakultas Kedokteran, Universitas Tanjungpura Pontianak, Pontianak.
- Kibbe, A.H., 2009, Povidone, In: Rowe, R.C., Sheskey, P.J. dan Quinn M.E. (eds.) *Handbook of Pharmaceutical Excipients*, 6th Edition, Minneapolis, Pharmaceutical Press.
- Kinanthy, 2009, *Minyak Zaitun (Sumber Lemak Nabati)*, EGC, Jakarta.
- Kurniawan, I.S., 2006, Pengaruh Cara Sterilisasi terhadap Penguraian Kloramfenikol dalam Sediaan Tetes Mata dengan Metode Uji Dipercepat, *Laporan Penelitian*, Fakultas Farmasi Universitas Padjajaran, Jatinangor.
- Lakey, R.T., 1941, *The Chemistry and Manufacture of Cosmetics*, 406, David Van Nostrand, Michigan.
- Leung, D.Y.M., & Bieber, T., 2003, *Atopic Dermatitis*, The Lancet, 361: 151-160 cit. Soebaryo, & Retno Widowati, 2009, *Imunopatogenesis Dermatitis Atopik*, Dalam: Dermatitis Atopik, FKUI, Jakarta, pp. 1-11.
- Levin, J., Friedlander, S.F., & Del Rosso, J.Q., 2013, *Atopic dermatitis and the stratum corneum: part 1: the role of filaggrin in the stratum corneum barrier and atopic skin*, *Journal of Clinical and Aesthetic Dermatology*, 6, 16-22.
- Lin, Y.T., Wang, C.T., & Chiang, B.L., 2007, Role of Bacterial Pathogens in Atopic Dermatitis. *Clin Rev Allergy Immunol*, *PubMed*, PMID: 18163223, 33(3):167-77.
- Makadia, H.A., Bhatt, A.Y., Parmar, R.B., Paun, J.S., & Tank, H.M., 2013, Self-nano Emulsifying Drug Delivery System (SNEDDS): Future Aspects, *Asian Jurnal Pharmacy Res.*, 3: 21–27.
- Martin, A., Swarbrick, J., & Cammarata, A., 1993, *Farmasi Fisika*, Edisi ke-3, diterjemahkan oleh Yoshita, UI Press, Jakarta.
- McFarland, J., 1907, Nephelometer: an instrument for media used for estimating the number of bacteria in suspensions used for calculating the opsonic index and for vaccines, *Journal of the American Medical Association*, 14: 1176-8.
- Mitsui, T., 1997, *New Cosmetic Science*, Elsevier, Amsterdam.



- Mun, S.H., Joung, D.K., Kim, Y.S., Kang, O.H., Kim, S.B., Seo, Y.S., Kim, Y.C., Lee, D.S., et al., 2013, Synergistic antibacterial effect of curcumin againstmethicillin-resistant *Staphylococcus aureus*, *Phytomedicine*, vol. 20, no. 8-9, pp. 714–718.
- Nunez, A. & Medina, C., 2009, *Glycerin*, dalam Rowe, R. C.,Sheskey, P.J., & Quinn, M.E., (Eds.), *Handbook of Pharmaceutical Excipients*, 6th Ed, 283, Pharmaceutical Press, London.
- Oliveira, R., Oliveira, V., Aracava, K.K., Rodrigues, C., & Eisabete, D.A.C., 2012, *Effect of the extraction conditions on the yield and composition of rice bran oil extracted with ethanol-A response surface approach. Food and Bioproducts Processing*, 90: 22-31.
- Ophardt, C.E., Soap, <http://elmhurst.edu/~chm/vchembook/554soap.htmL>, 30 Agustus 2018.
- Oudt, Caroline, 2004, *Thickening of Foaming Cosmetic Formulations*, CD Proceeding 6th World Surfactant Congress, Germany, 1-9.
- Owen, R.W., Giacosa, A., Hull, W.E., Haubner, R., Würtele, G., Spiegelhalder, B., & Bartsch, H., 2000, Olive-oil consumption and health: the possible role of antioxidants, *Lancet Oncol*, 1: 107–112. DOI:10.1016/S1470-2045(00)00015-2.
- Parmar, N., Singla, N., Amin, S., & Kohli, K., 2011, Study of cosurfactant effect on nanoemulsifying area and development of lercanidipine loaded (SNEDDS) self nanoemulsifying drug delivery system, *Colloids and Surfaces B: Biointerfaces*, 86: 327–338.
- Patel, A. & Lalwani, A., 2011, Self microemulsifying drug delivery system as a potential drug delivery system for protease inhibitors in the treatment of AIDS, *Asian Journal of Pharmaceutical Sciences*, Vol-6
- Patel, J., Kevin, G., Patel, A., Raval, M., & Sheth, N., 2012, Design and development of a selfnanoemulsifying drug delivery system for telmisartan for oral drug delivery, *International Journal of Pharmaceutical Investigation*, 1:112-118.
- Patel, M. J., Patel, N. M., Patel, R. B., & Patel, R. P., 2010, Formulation and Evaluation of Self-Microemulsifying Drug Delivery System of Lovastatin, *Asian Journal Pharmacy. Sci.*, 5: 266-267.
- Patel, M., & Naik, S.N., 2004, Gamma-oryzanol from rice bran oil: A review, *Journal of Scientific and Industrial Research*. 63, 569-578.
- Paulucci, V.P., Couto, R.O., Teixeira, C.C.C., & Freitas, L.A.P., 2012, *Optimization of the extraction of curcumin from Curcuma longa rhizomes*, Faculdade de Ciencias Farmaceuticas de Ribeirao Preto, Universidade de Sao Paulo, Brazil.
- Paye, Marc, Andre O. Barel dan H.I. Maibach. 2006, *Handbook of Cosmetic Science and Technology*, 2nd Edition. New York: CRC Press.
- Peng, L.C., Liub, C.H., Kwan, C.C., & Huang, K.F., 2011, Optimization of water-in-oil nanoemulsions by mixed surfactants, *Colloids and Surfaces A: Physicochem, English Aspects*, 370:136–142.



- Pradipto, M., 2009, Pemanfaatan minyak jarak pagar (*Jatropha curcas* L) sebagai bahan dasar sabun mandi, *Skripsi*, Fakultas Teknologi Pertanian, Institut Pertanian Bogor, Bogor.
- Rebecca, K., Gopinath, N., Mario, V., & Anura, V.K., 2005, Use of rice bran oil in patients with hyperlipidaemia, *The National Medical Journal of India*, 18(6), 292 - 296.
- Rowe, R. C., Sheskey, P. J., & Owen, S. C., 2006, *Handbook of Pharmaceutical Excipients*, Fifth Edition, Pharmaceutical Press, London.
- Rowe, R.C., et al., 2006, *Handbook of Pharmaceutical Excipients*, 5th Ed, The
- Sandhir, R., Yadav A., Sunkaria A., & Singhal N., 2015, Nano-antioxidants: An emerging strategy for intervention against neurodegenerative conditions, *Neurochemistry International*, 89: 209-226.
- Schramm, L.L., 2005, *Emulsion, Foams, and Suspensions*, 47-49, 141-142, Wiley-VCH Verlag GmbH&Co.KGaA, Weinheim.
- Setianingsih, Y.A., & Hasanah, I., 2017, Pengaruh Minyak Zaitun (Olive Oil) Terhadap Penyembuhan Ruam Popok Pada Bayi Usia 0-12 Bulan Di Desa Sukobanah Kabupaten Sampang Madura, *Laporan Penelitian*, Program Studi D3 Kebidanan STIKes Surabaya, Surabaya.
- Setya, S., Talegaonkar, S., & Razdan, B.K., 2014, Nanoemulsions : Formulation Methods and Stability Aspects, *World Journal of Pharmacy and Pharmaceutical Sciences*, Vol 3, Issue 2, 2214-2228.
- Setyanti, 2012, *Manfaat minyak zaitun*, Jakarta, Gramedia.
- Shakeel, F., Baboota, S., Ahuja, A., Ali, J., Faisal, M.S., & Shafiq, S., 2008, Stability Evaluation of Celecoxib Nanoemulsion Containing Tween 80, *Thai Journal of Pharmaceutical Sciences*, 32, 4–9.
- Shibasaki, I., & Kato, N., 1978, *Combined effects on anti-bacterial activity of fatty acids and their esters against gram-negative* In: *The Pharmalogical effect of lipids*, Kabara, J.J., ed., p. 15–23. Champaign, American Oil Chemists' Society.
- Sihombing, P.A., 2007, Aplikasi Ekstrak Kunyit (*Curcuma domestica*) sebagai Bahan Pengawet Mie Basah, *Skripsi*, Jurusan Teknologi Pertanian, Institut Pertanian Bogor, Bogor.
- Singh, B., Bandopadhyay S., Kapil R., Singh R. & Katare OP., 2009, *Self-Emulsifying Drug Delivery Systems (SEDDS): Formulation Development, Characterization, and Applications*, *Critical Reviews in Therapeutic Drug Carrier Systems*, 26(5); 427-521.
- Sinko, P.J., 2006, *Martin's Physical Pharmacy and Pharmaceutical Sciences*, 5 Ed., 509-518, 561-564, 572, Lippincott Williams & Wilkins, Philadelphia.
- SNI, 1994, *Standar Mutu Sabun Mandi*, Dewan Standarisasi Nasional, Jakarta.
- SNI, 1996, *Standar Mutu Sabun Mandi Cair*, Dewan Standarisasi Nasional, Jakarta.
- Soebaryo, R.W., 2009, *Imunopatogenesis Dermatitis Atopik*, Dalam: *Dermatitis Atopik*, FKUI, Jakarta, pp. 1-11.
- Suciati, T., Aliyandi, A., & Satrialdi, 2014. Development of transdermal nanoemulsion formulation for simultaneous delivery of protein vaccine and artin-m adjuvant, *International Journal of Pharmacy and Pharmaceutical Sciences*, 6: 536–546.



- Suh, M.H., & Yoo, S.H, 2007, Antioxidative activity and structural stability of microencapsulated γ -oryzanol in heat-treated lards, *Food Chemistry*, 100.
- Suryani, A, Sailah, I, & Hambali, E., 2000, *Teknologi Emulsi Bogor*, Institute Pertanian Bogor, Hal. 32.
- Suryani, A, E. Hambali & Rivai, M., 2002, *Teknologi Produksi Surfaktan*, Jurusan Teknologi Industri Pertanian, Fakultas Teknologi Pertanian, IPB, Bogor.
- Tadros, T.F., 2005, *Applied Surfactants: Principles and Applications*, 1, 91-92, 259, WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim
- Teow, S.Y., Liew, K., Ali, S.A., Khoo, A.S., & Peh, S.C., 2016, Antibacterial Action of Curcumin against *Staphylococcus aureus*, A Brief Review, *Journal of Tropical Medicine*, Vol 2016, article ID 2853045, 10 pages.
- Ungphaiboon, S., Supavita, T., Singchangchai, P., Sungkarak, S., Rattanasuwan, P., & Itharat, A., 2005, Study on antioxidant and antimicrobial activities of turmeric clear liquid soap for wound treatment of HIV patients, *Songklanakarin Journal of Science and Technology*, vol. 27 (Suppl. 2), 2005 : Thai Herbs.
- Voigt, R., 1984, *Buku Pelajaran Teknologi Farmasi*, diterjemahkan oleh Soendani Noerono Soewandi, Edisi ke-5, UGM Press, Yogyakarta.
- Wadhwa, J.A., Nair, A., & Kumria, R., Self-Emulsifying System: A Potential Approach for Delivery of Lipophilic Drugs, *Brazilian Journal of Pharmaceutical Sciences*, 3(3):47.
- Wahn, U., 2000, *What drives the allergic march? Allergy*, 55, 591-9.
- Wasitaatmadja, S.M., 1997, *Penuntun Ilmu Kosmetik Medik*, UI Press, Jakarta Hal. 98-100.
- Winarti, C. & Nurdjanah, N., 2005, Peluang Tanaman Rempah dan Obat Sebagai Sumber Pangan Fungsional, *Jurnal Penelitian dan Pengembangan Pertanian*, 24(2), 47-55.
- Winarto, W.P., 2004, *Khasiat dan Manfaat Kunyit*, cetakan 3, Agromedia Pustaka, Jakarta.
- Wooster, T.J., Golding, M., Sanguansri, P., 2008, Impact of oil type on nanoemulsion formation and Ostwald ripening stability, *Langmuir*, 24: 12758–12765.
- Xie, M., Fanc, D., Zhaod, Z., Lia, Z., Lie, G., Chenc, Y., Hec, X., Chenf, A., Lia, J., Lina, X., Zhic, M., Lia, Y., & Lanc, P., 2015, Nano-curcumin prepared via supercritical: Improved anti-bacterial, anti-oxidant and anti-cancer efficacy, *International Journal of Pharmaceutics*, 496:732–740.
- Yeung, D.Y.M, Tharp, M., & Boguniewicz, M., 2012, *Atopic dermatitis*, In: Goldsmith L.A., Katz S.I., Gilchrest B.A., Paller A.S., Leffell D.J., Wolf K., editors. *Fitzpatrick's dermatology in general medicine*, 8thed, New York, Mc Graw Hill, pp.165-82.
- Yuliati, 2016, Uji Efektivitas Ekstrak Kunyit Sebagai Antibakteri Dalam Pertumbuhan *Bacillus* sp dan *Shigella Dysentriiae* Secara In Vitro, *Jurnal Profesi Medika*, ISSN 0216-3438 Vol. 10, No.1.
- Zhao, Y., Wang, C., Chow, A.H., Ren, K., Gong, T., Zhang, Z., & Zheng, Y., 2010, Self-nanoemulifying drug delivery system (SNEDSS) for oral delivery



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Formulasi Sediaan Sabun Cair Nanoemulsi Ekstrak Kunyit (Curcuma longa L.) dan Uji Aktivitasnya Terhadap Bakteri *Staphylococcus aureus* secara In Vitro

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Zeodary essential oil: formulation and bioavailability studies,
International Journal of Pharmaceutics, 383(1), 2010, p. 170-177.

Zulkarnain, A.K., Ernawati N. & Sukardani N.I., 2013, Aktivitas Amilum Bengkuang (*Pachyrizus erosus* (L.) Urban) sebagai Tabir Surya Pada Mencit dan Pengaruh Kenaikan Kadarnya Terhadap Viskositas Sediaan, *Traditional Medicine Journal*, Vol. 18 (1), hal. 6.