

DAFTAR PUSTAKA

- Afianti, H.P., Murrukmihadi, M., 2015, Pengaruh Variasi Kadar Gelling Agent HPMC Terhadap Sifat Fisik dan Aktivitas Antibakteri Sediaan Gel Ekstrak Etanolik Daun Kemangi (*Ocimum basilium* L. forma *citratum* Back.), *Majalah Farmasetik*, **11** (2), 307-315.
- Agusta, Andria, 2000, *Aromaterapi: Cara Sehat dengan Wewangian Alami*, Penebar Swadaya, Jakarta.
- Allen, Loyd V., Popovich, Nicholas G., Ansel, Howard C., 2011, *Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems*, 9th edition, Lippincott Williams & Wilkins, Philadelphia.
- Anggraeni, Y., Hendradi, E., Purwanti, T., 2012, Karakteristik Sediaan dan Pelepasan Diklofenak dalam Sistem Niosom dengan Basis Gel Carbomer 940, *Pharma Scientia*, **1** (1), 1-10.
- Departemen Kesehatan Republik Indonesia, 2014, *Farmakope Indonesia*, Edisi V, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 2008, *Aloe vera: Histori, Science, and Medicinal Uses*, **8** (1), 99-102.
- Aponno, J.V., Yamlean, P.V.Y., & Supriati, H.S., 2014, Uji Efektivitas Sediaan Gel Ekstrak Etanol Daun Jambu Biji (*Psidium guajava* Linn) terhadap Penyembuhan Luka yang Terinfeksi Bakteri *Staphylococcus aureus* pada Kelinci (*Oryzolagus cuniculus*), *Jurnal Ilmiah Farmasi*, **3** (3), 279-286.
- Arikumalasari, J., Dewantara, I. G. N. A., Wijayanti, N. P. A. D., 2013, Optimasi HPMC Sebagai Gelling Agent dalam Formula Gel Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.), *Jurnal Farmasi Udayana*, **2** (3), 145-152.
- Arisanty, Hilda, 2017, Uji Kestabilan Mutu Fisik Sediaan Gel Antiseptik Ekstrak Rimpang Lengkuas (*Alpinia galangal* L), dengan Variasi Basis Carbopol dan HPMC, *Media Farmasi*, **13** (2), 135-140.
- Balsam, M.S., Sagarin, E., 1972, *Cosmetics: Science and Technology*, 2nd Ed., Interscience Publisher Inc., New York.
- Bolton, S., Bon, C., 2004, *Pharmaceutical Statistic, Practical and Clinical Application*, 4th edition, Marcel Dekker Inc., New York.
- Bouranen, Amira, 2017, Determination of the Stability of Cosmetic Formulations with Incorporation of Natural Products, *Disertasi*, Instituto Politécnico De Bragança.
- Byeon S, Pelley R, Ullrich SE, Waller TA, Bucana CD, Strickland F.M., 1988, Aloe barbadensis extracts reduce the production of interleukin-10 after exposure to ultraviolet radiation, *Journal of Investigative Dermatology*, **110** (5):811-887.
- Cefali, L.C., J.A. Ataide, P. Moriel, M.A. Foglio, and P.G. Mazzola, 2016, Plant-based Active Photoprotectants for Sunscreens, *International Journal of Cosmetic Science*, **38** (4), 346-353.
- Conrad, L.I., 1974, The Evaluation of a Sunscreening Agent for Safety and Activity, *Journal of the Society of Cosmetic Chemist*, **27**, 87-107.
- Cumpelik, B.M., 1972, Analytical Procedures and Evaluation of Sunscreen, *Journal of the Society of Cosmetic Chemist*, **23** (6), 333-345.

- Deshpande. J. M., dan Shah, P. B., 2012, Formulation and Development pH induced in-situ gelling system of antiinfective drug for sustained ocular drug delivery. *Journal of Pharmaceutical Science and Bioscientific Research (JPSBR)*, **2** (5), 238-244.
- Dewi, R., Anwar, E., Yunita, K.S., 2014, Uji Stabilitas Fisik Formula Krim yang Mengandung Kacang Kedelai (*Glycine max*), *Pharmaceutical Sciences and Research*, **1** (3), 194-208.
- Djuanda, Adhi, 2011, *Ilmu Penyakit Kulit dan Kelamin*, Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Donovan, M. D., Flanagan, D. R., 1996, *Bioavailability of Disperse Dosage Form* cit. Liebermann, H. A., Lachman, L., Schwartz, J. B., *Pharmaceutical Dosage Forms: Disperse System*, 2nd Ed., Marcell Dekker Inc., New York
- Draelos, Z. D., dan Thaman, L.A., 2006, *Cosmetic Formulation of Skin Care Product*, Taylor and Francis Group, New York.
- Dutra, Elizangela Abreau, Oliviera, Daniella Almança, Hackmann, Erika Rosa Maria, Santoro, Maria Ines Rocha Miritello, 2004, Determination of Sun Protection Factor (SPF) of Sunscreen by Ultraviolet Spectrofotometry, *Brazilian Journal of Pharmaceutical Sciences*, **40** (3), 381-385.
- Edi, H. J., 2018, Formulasi Sediaan Hidrogel Ekstrak Etanol Daun Bunga Tahikotok (*Tagetes erecta* L.) Sebagai Penyembuh Luka, *Disertasi*, Fakultas Farmasi Universitas Gadjah Mada.
- Food and Drug Administration, 2017, Sun Protection Factor (SPF), diakses dari <https://www.fda.gov/about-fda/center-drug-evaluation-and-research/sun-protection-factor-spf> pada tanggal 15 Juni 2019 pukul 20.15 WIB.
- Furnawanthi, L., 2002, *Khasiat dan Manfaat Lidah Buaya*, Agro Media Pustaka, Jakarta.
- Glicksman, M., 1983, *Food Hydrocolloids*, Vol II, CRC Press, Boca Raton.
- Grun, M. G, Franz, 1981, In vitro biosynthesis of the C-glycosidic bond in aloin, *Planta*, **152** (6), 562 – 564.
- Gupta, S.D., 2010, Cosmetic Attributes of Aloe Vera L. Gel, *Medicinal and Aromatic Plant Science and Biotechnology*, Maret 28.
- Hasyim, Nursiah, Faradiba, Baharuddin, Gina Agriany, 2011, Formulasi Gel Sari Buah Belimbing Wuluh (*Averrhoa bilimbi* L.), *Majalah Farmasi dan Farmakologi*, **15** (1), 5-9.
- Henry R., 1979, An Updated Review of Aloe vera, *Cosmetics and toiletries*, 94, 42-50.
- Hoffman, Matthew, 2014, Picture of the Skin, diakses dari <https://www.webmd.com/skin-problems-and-treatments/picture-of-the-skin#1> pada 12 Juni 2019 pukul 12.35 WIB.
- Joseph, B., dan Raj, S.J., 2010, Pharmacognostic and Phytochemical Properties of Aloe vera (L.), *International Journal of Pharmaceutical Science Review and Research*, **4** (2), 195-199.
- Kalangi, Sonny J.R., 2013, Histofisiologi Kulit, *Jurnal Biomedik (JBM)*, **5** (3), 12-20.

- Kim, J. Y., Song, Lee, E. J., dan Park, S. K., 2003, Rheological Properties and Microstructures of Carbopol Gel Network System, *Colloids & Polymer Science*, 281, 614-623.
- Kuncahyono, Ilham, 2011, Optimasi Campuran Carbopol 941 dan HPMC dalam Formulasi Sediaan Gel Ekstrak Daun Jambu Mete secara Simplex Lattice Design, *Jurnal Farmasi Indonesia*, 8 (1), 1-12.
- Kuswahyuning, R., dan Sulaiman, T.N., 2008, *Teknologi dan Formulasi Sediaan Semipadat*, Pustaka Laboratorium Teknologi Farmasi, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Latimer G (editor), 2012, *Official Methods of Analysis of AOAC International*, 19th Edition, Gaithersburg.
- Malik, Abdul, dan Satyananda, S., 2014, pH-induced in situ gelling system of anti-infective drug for sustained ocular delivery, *Journal of Applied Pharmaceutical Science*, 4 (1), 101-104.
- Marchaban, Fudholi, A., Sulaiman, T.N.S., Martin, R., Bestari, A.N., 2017, *Seri Buku Petunjuk Praktikum Teknologi Farmasi: Teknologi Formulasi Sediaan Cair Semi Padat*, Laboratorium Teknologi Farmasi, Fakultas Farmasi UGM, Yogyakarta.
- Martin, A., Swarbrick, J., Cammarata, A., 1993, *Farmasi Fisik: Dasar-Dasar Kimia Fisik dalam Ilmu Farmasetik*, UI Press, Jakarta.
- Mitsui T., 1997, *New Cosmetic Science*, Elsevier, Tokyo.
- Moghaddasi, Sharrif, Verma, S.K., 2011, Aloe vera their chemicals composition and application: A review, *International Journal of Biological & Medical Research*, 2 (1), 466-471.
- Mosby, 2013, *Mosby's Medical Dictionary*, Elsevier, St. Louis.
- Naibaho, Olivia H., Yamlean, Paulina V.Y., Wiyono, Weni, 2013, Pengaruh Basis Salep Terhadap Formulasi Sediaan Salep Ekstrak Daun Kemangi (*Ocimum sanctum* L.) pada Kulit Punggung Kelinci yang Dibuat Infeksi *Staphylococcus aureus*, *Jurnal Ilmiah Farmasi*, 2 (2), 2302-2493.
- Ngan, Vanessa, 2012, Sunscreen Testing and Classification, diakses dari <https://www.dermnetnz.org/topics/sunscreen-testing-and-classification/> pada 3 Mei 2019 pukul 11.57.
- Norman, J., Peng, S.Y., Curtin, G., Corrier, D., McDaniel, H.R., Busbee, D., 1991, Decreased mortality of Norman murine sarcoma in mice treated with the immunomodulator, *Acemannan*. *Mol Biother*, 3 (2), 79-87.
- Park, Y.I, Jo, T.H, Lee, S.K. 2006, Perspective of Industrial Application of Aloe vera, *Springer Science Business Media*, New York.
- Pearce, C. Evelyn, 2004, *Anatomi dan Fisiologi untuk Paramedis*, Gramedia, Jakarta.
- Periasamy, G., Kassa, S., Sintayehu, B., Karim, A., Geremedhin, G., 2014, Cosmetic Use of Aloe Vera- A Review, *Word Journal of Pharmacy and Pharmaceutical Sciences*, 3 (5), 342-458.
- Pounikar, Yogesh, Jain, P., Navneet, K., Omray, L.K, Patil, S., Gajbhiye, Asmita, 2012, Formulation and Characterization of Aloe Vera Cosmetic Herbal Hydrogel, *International Journal of Pharmacy and Pharmaceutical Science*, 4 (4), 85-86.

- Pratama, W.A., Zulkarnain, A.K., 2015, Uji SPF *In Vitro* dan Sifat Fisik Beberapa Produk Tabir Surya yang Beredar di Pasaran, *Majalah Farmasetik*, 11 (1), 275-283.
- Quinones, Danester, Evone, S., Ghaly, 2008, Formulation and Characterization of Nystatin Gel, *Puerto Rico Health Science Journal*, 27 (1), 61-67.
- Rajpal, V., 2002, *Aloe barbandesis Mill/ A. vera Tourn ex Linn.*, In: *Standardization of Botanicals- Testing and Extraction Methods of Medicinal Herbs*, Eastern Publishers, New Delhi.
- Rieger, M.M, 2000, *Harry's Cosmeticology*, 8th edition, Chemical Publishing, New York.
- Rodrigues, N.D.N., Staiforth, M., dan Stavros, V.G., 2016, Photophysics of Sunscreens Molecules in the Gas Phase: A Stepwise Approach Toward Understanding and Developing, Next Generation Sunscreen, *Proceeding of the Royal Society*, 472, 1-29.
- Rowe, R.C., Sheskey, P.J., Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipients*, 6th edition, Pharmaceutical Press, British.
- Saini, R., Szemplinski, A., 2013, How to Choose the Right Sunscreen for Your Skin Type, diakses dari <https://www.skincancer.org/prevention/sun-protection/sunscreen/choosing> pada 15 Juni 2019 pukul 20.22 WIB.
- Sato Y., Ohta S., Shinoda M., 1990, Studies on chemical protectors against radiation: Protective effects of *Aloe arborescens* on skin injury induced by irradiation, *Yakugaku Zasshi*, 110 (11), 876-884.
- Shafiei, M., Balhof, M., Hayman, N.W., Chemical and Microstructural Controls on Viscoplasticity in Carbopol Hydrogel, *Elsevier*, 139, 44-51.
- Shovyana, H. H., Zulkarnain. A. K., 2013, Physical Stability and Activity of Cream W/O Etanolic Fruit Extract of Mahkota Dewa (*Phaleria macrocarpha* (scheff.) Boerl.) as A Sunscreen, *Traditional Medicine Journal*, 18 (2).
- Soeratri, W., Ifansyah, N., Epipit, Soemiati, 2005, Penentuan Persentase Transmisi Eritema dan Pigmentasi Beberapa Minyak Atsiri, *Berkalah Peneitian. Hayati*, 10, 117-121.
- Stanfield, J. W., 2003, Sun Protectans: Enhancing Product Functionality with Sunscreens, in Schuller, R., dan Romanowski, P., *Multifunctional Cosmetics*, Marcell Dekker Inc., New York.
- Sudarto, Y. S. P., 1997, *Lidah Buaya*, Kanisius, Yogyakarta.
- Swastika, A. N. S. P., Mufrod, Purwanto, 2013, Antioxidant Activity of Cream Dosage Form of Tomato Extract (*Solanum lycopersicum* L.), *Traditional Medicine Journal*, 18 (3), 132-140.
- Voight, R., 1994, *Buku Pengantar Teknologi Farmasi*, diterjemahkan oleh Soedani, N., Edisi V, Gadjah Mada University Press, Yogyakarta.
- Wasitaatmadja, S. M., 1997, *Penuntun Ilmu Kosmetik Medik*, UI Press, Jakarta.
- Wihelmina, Cynthia E, 2011, *Pembuatan dan Penentuan Nilai SPF Nanoemulsi Tabir Surya Menggunakan Minyak Kencur (Kaemferia galanga L.) Sebagai Fase Minyak*, FMIPA Program Studi Farmasi, Depok.
- Wilkinson, J.B., Moore, R. J., 1982, *Harry's Cosmeticology*, 7th Ed., New York: Chemical Publishing Company.



Yanti, A.R., Pertiwi, R.D., Rakhmawati., I, 2018, In-Vitro and In-Vivo Sunscreen Activity of Active Compounds Isolated from Fruits of *Phaleria marcocarpha* (Scheff.) Boerl, *Journal of Young Pharmacist*, **10** (2), 106-110.