

DAFTAR PUSTAKA

- Alam, M. N., Bristi, N. J., & Rafiquzzaman, M. 2013. Review on in vivo and in vitro methods evaluation of antioxidant activity. *Saudi Pharmaceutical Journal*. 21(2):143–152.
- Anggowarsito, J. L. 2014. Aspek Fisiologi Penuaan Kulit. *Jurnal Widya Medika Surabaya*. 2(1):56-61
- Ansel HC, Popovich NG, dan Allen LV. 1995. *Introduction to Pharmaceutical Dosage Forms and Drug Delivery Sistem*. Diterjemahkan oleh Farida Ibrahim, Asmanizar, Iis Aisyah. UI Press. Jakarta.
- Arikumalasari J, Dewantara I.G.N., dan Wijayanti N.P.A.D. 2013. Optimasi HPMC sebagai *Gelling agent* dalam Formula Gel Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.). *Junal Farmasi Udayana* 2(3): 1-8.
- Badarinath A, Rao K, Chetty CS, Ramkanth S, Rajan T, & Gnanaprakash K. 2015. A Review on In-vitro Antioxidant Methods : Comparisons, Correlations, and Considerations. *International Journal of PHarmTech Research*. 1276-1285.
- Baran, R., dan Maibach, H. 2011. *Textbook of Cosmetic Dermatology*. CRC Press. London.
- Barel, A. O., Paye, M., & Maibach, H. 2009. *Cosmetic Science and Technology*. Edisi kedua. John Willy and Son Inc. New York.
- Baumann, L., Saghari, S., & Weisberg, E. 2009. *Cosmetic Dermatology Principles and practice*. 2-nd ed. McGrawHill Companies. London.
- Bhatia, A., Shard, P., Chopra, D., and Mishra, T. 2011. Chitosan Nanoparticles As Carrier Of Immunorestoratory Plant Extract: Synthesis, Characterization And Immunorestoratory Efficacy. *International Journal of Drug Delivery*. 3: 381-385.
- Buzea, C., Blandino, I.I.P., dan Robbie, K. 2007. Nanomaterial and nanoparticles: sources and toxicity. *Biointerphases*. 2: MR170–MR172.

- Chen, L., Hu, J. Y., & Wang, S. Q. 2012. The Role Of Antioxidants In Photoprotection: A Critical Review. *Journal of the American Academy of Dermatology*. 67(5): 1013-1024.
- Chu DH. 2008. *Overview of biology, development, and structure of skin*. In K. Wolff. eds. Fitzpatrick's dermatology in general medicine. McGraw-Hill Education. New York.
- Dellmann HD, dan Brown EM. 1992. Textbook of Veterinary Histology. Terjemahan R. Hartono. 1999. *Buku Teks Histologi Veteriner* Edisi ke-3. Universitas Indonesia. Jakarta..
- Depkes. 2014. *Farmakope Indonesia*. Edisi V. Departemen Kesehatan RI. Jakarta.
- Deshpande, J. M., and Shah, P. B. 2012. Formulation and Development pH Induced In-Situ Gelling Sistem of an Anti Infective Drug for Sustained Ocular Drug Delivery. *Journal of PHarmaceutical Science and Bioscientific research (JPSBR)*. 2(5):238-244.
- Dewi, C. C., dan Saptarini N. M. 2016. Hidroksi Propil Metil Selulosa dan Karbomer Serta Sifat Fisikokimianya Sebagai Gelling Agent. *Farmaka*. 14(3):1-10.
- Fujiastuti, T., dan Sugihartini, N. 2015. Sifat fisik dan daya iritasi gel ekstrak etanol herba pegagan (*Centella asiatica L.*) dengan variasi jenis gelling agent. *PHARMACY: Jurnal Farmasi Indonesia (Pharmaceutical Journal of Indonesia)*. 12(1):11-20.
- Gupta, A., Mishra, A. K., Singh, A. K., Gupta, V., dan Bansal, P. 2010. Formulation and evaluation of topical gel of diclofenac sodium using different polymers. *Drug invention today*. 2(5):250-253
- Gupta, R. B., dan Kompella U.B. 2006. *Nanoparticle technology of drug delivery*. Taylor & Francis Grup. New York.
- Hong, C., *et al.* 2014. Effects of stabilizing agents on the development of myricetin nanosuspension and its characterization: an in vitro and in vivo evaluation. *International Journal of Pharmaceutics*. 477:251–260.
- Hu, M. dan Li, X. 2011. *Oral bioavaibility : basic principles, advance concept, and application*. John Wiley & Sons, Inc. Hoboken. New Jersey.

- Husni, P., & Puspitaningrum, K. 2017. Pengembangan formula nanofitosom serbuk liofilisasi seduhan teh hitam (*Camellia sinensis* L. Kuntze). *Indonesian Journal of Pharmaceutical Science and Technology*. 4(3):100-111.
- Jain, N., Gupta B. P., Thakur N., Jain R., Banweer J., Jain D. K., dan Jain S. 2010. Phytosome: a novel drug delivery sistem for herbal medicine. *Int J Pharm Sci Drug Res*. 2(4):224-228.
- Jiménez A. P., Peres H., Rubio V. C., dan Oliva-Teles A. 2012. The effect of dietary methionine and white tea on oxidative status of gilthead sea bream (*Sparus aurata*). *British Journal Of Nutrition*. 108(7):1202-1209.
- Kalangi, S. J. R. 2013. Histofisiologi Kulit. *Jurnal Biomedik*. 5(3).
- Kawashima, Y., Yamamoto H., Takeuchi H., dan Kuno Y. 2000. Mucoadhesive DLlactide/glycolide copolymer nanospheres coated with chitosan to improve oral delivery of elcatonin. *Pharmaceutical Development and Technology*. 5(1): 77-85.
- Khan, N, Deebea N. Syed, Nihal A, dan Hasan M. 2013. Fisetin: a dietary for health promotion. *Antioxidants and Redox Signaling*. 19(2).
- Kidd, P.M., dan Head K. 2005. A review of the bioavailability and clinical efficacy of milk thistle pHyosome: a silybin-pHospHatidylcholine complex. *Alternative Med Rev*. 10(3):193-203.
- Lachman L, Lieberman HA, dan Kanig JL. 1994. *Praktek Farmasi Industri: Semi Padat*. Dalam: Suyatmi S, Kawira J, Aisyah H.S, *Teori dan Praktek Farmasi Industri*. Jilid II. Edisi 3. UI Press. Jakarta.
- Ma, Z., & Liu T. 2012. Myricetin facilitates potassium currents and inhibits neuronal activity of PVN neurons. *Neurochemical research*. 37(7):1450-1456.
- Martien, R., Adhyatmika, Iramie D. K. Irianto, Verda Farida, Dian Purwita Sari. 2012. Perkembangan Teknologi Nanopartikel Sebagai Sistem Pengantaran Obat. *Majalah Farmasetik*. 8(1):133-144
- Mescher AL. 2010. *Junqueira's Basic Histology Text & Atlas*. McGraw Hill Medical. New York.

- Mescher AL. 2013. *Skin In Junqueira's Basic Histology: Text and Atlas, Thirteenth Edition*. McGraw-Hill Education. New York.
- Mira, L., Tereza Fernandez M., Santos M., Rocha R., Helena Florêncio M., dan Jennings K. R. 2002. Interactions of flavonoids with iron and copper ions: a mechanism for their antioxidant activity. *Free radical research*. 36(11):1199-1208.
- Muller G.H. 1976. *Small Animal Dermatology*. WB Saunders Company. Philadelphia.
- Mutschler E. 1991. *Dinamika Obat*. Ed ke-5. Editor Mathilda B, Widiyanto, Ranti AS. ITB Press. Bandung.
- National Center for Biotechnology Information. PubChem Database. CID=22947, <https://pubchem.ncbi.nlm.nih.gov/compound/DMDM-Hydantoin> (accessed on June 20, 2020)
- Nema, R. K., Satish Y., Sunita Y., dan Sulekha M. 2009. Antioxidants: a review. *Journal of Chemical and PHarmaceutical Research*. 1(1):102-104.
- Noori, S. 2012. An overview of oxidative stress and antioxidant defensive sistem. *Open access scientific reports*. 1(8):1-9.
- Ong, K. C., dan Khoo H. E. 1996. Insulinomimetic effects of myricetin on lipogenesis and glucose transport in rat adipocytes but not glucose transporter translocation. *Biochemical pHarmacology*. 51(4):423-429.
- Padilla, E., Ruiz E., Redondo S., Gordillo-Moscoso A., Slowing K., dan Tejerina T. 2005. Relationship between vasodilation capacity and pHenolic content of Spanish wines. *European journal of pharmacology*. 517(1-2):84-91.
- Pai, V. V., Shukla P., & Kikkeri N. N. 2014. Antioxidants in dermatology. *Indian dermatology online journal*. 5(2):210.
- Papakostas, D., Rancan F., Sterry W., Peytavi U.B., Vogt A. 2011. Nanoparticles in Dermatology. *Department of Dermatology and Allergy Research*. 303:533–550.
- Platts, J. A., Oldfield S. P., Reif M. M., Palmucci A., Gabano E., dan Osella D. 2006. The RP-HPLC measurement and QSPR analysis of log Po/w

- values of several Pt (II) complexes. *Journal of inorganic biochemistry*. 100(7):1199-1207.
- Prabhakar, D., Sreekanth J., dan Jayaveera K. N. 2013. Transdermal Drug Delivery Patch : A Review. *Jurnal of Drug Delivery & Therapeutics*. 3(4):213-221.
- Priani, Ega S., Humanisya Haniva, dan Da usman F. 2014. Development of Sunscreen Emulgel Containing *Cinnamomum Burmanii* Stem Bark Exct act. *International Journal of Science and Research (IJSR)*. 3(12):2338-2339.
- Purnamasari, N. A. 2020. Formulation, Characterization and Antioxidant Myricetin Nanophytosome for Topical Delivery. *Asian Journal of Pharmaceutical Research and Development*. 8(3):09-13
- Ramadani, M. 2010. Upaya Penundaan Proses Penuaan (Degeneratif) Menggunakan Antioksidan dan Terapi Sulih Hormon. *Jurnal Kesehatan Masyarakat Andalas*. 5(1):36-40.
- Ramadon, D., dan MUN'IM ABDUL. 2017. Pemanfaatan Nanoteknologi dalam Sistem Penghantaran Obat Baru untuk Produk Bahan Alam. *Jurnal Ilmu Kefarmasian Indonesia*. 14(2):118-127.
- Rismana, E., Kusumaningrum S., Bunga O., Nizar dan Marhamah. 2014. Pengujian Aktivitas Antiacne Nanopartikel Kitosan Ekstrak Kulit Buah Manggis (*Garcinia mangostana*). *Media Litbangkes*. 24(1):19-27.
- Roedig-Penman, A., dan Gordon M. H. 1998. Antioxidant properties of myricetin and quercetin in oil and emulsions. *Journal of the American Oil Chemists' Society*. 75(2):169-180.
- Rohman, A., Riyanto S., Yuniarti N., Saputra W.R., Utami R., dan Mulatsih W. Antioxidant Activity, Total Phenolic and Total Flavaonoid of Extracts and Fractions of Red Fruit (*Padanus conoideus* Lam).
- Rowe, R.C., Sheskey P.J., dan Quinn M.E. 2009. *Handbook Of PHarmaceutical Exipients*. 6th ed. Pharmaceutical Press and American Pharmacists Association. London.

- Saputra, Y. E., Muhammad D. Nur A. D. 2019. Evaluation Nano-Phytosome of Myricetin with Thin Layer Film Hydration-Sonication Method. *Advances in Health Sciences Research*. 26:294-297
- Saryanti, Dwi, Dian N., Nisa S. A., Natasya I. P. 2019. Optimasi Karbopol Dan HPMC Dalam Formulasi Gel Antijerawat Nanopartikel Ekstrak Daun Sirih (*Piper betle* Linn). *Jurnal Ilmiah Manuntung*. 5(2):192-199
- Sharma, S. 2008. Topical Drug Delivery Sistem: A review. *Pharmaceut*. 6 :1-29
- Sharon, N., Anam.S., dan Yuliet. 2013. Formulasi Krim Anitioksidan Ekstrak Etanol Bawang Hutan (*Eleutherine palmifolia* L.Merr). *Jurnal Of Natural Science*. 2.
- Shu M. 2013. Formulasi sediaan gel hand sanitizer dengan bahan aktif triklosan 0,5% dan 1%. *Jurnal Ilmiah Mahasiswa Universitas Surabaya*. 2:12-16.
- Smith, H.A., dan Jones TC. 1962. *Veterinary Pathology*. 2nd Edition. The Skin and it Appendages. Univ. Michigan, Michigan.
- Sudjono, T. A., Honniasih M., dan Pratimasari Y. R. 2012. Pengaruh Konsentrasi *Gelling agent* Karbomer 934 dan HPMC Pada Formulasi Gel Lendir Bekicot (*Achatina Fulica*) Terhadap Kecepatan Penyembuhan Luka Bakar Pada Punggung Kelinci. *Pharmacon Pharmaceutical Journal of Indonesia*. 13(1):6-11.
- Sulaiman, T.N.S., dan Rina Kuswahyuning. 2008. *Teknologi & Formulasi Sediaan Semi padat*. Universitas Gadjah Mada. Yogyakarta.
- Taubert, D., Berkels R., Klaus W., dan Roesen R. 2002. Nitric oxide formation and corresponding relaxation of porcine coronary arteries induced by plant phenols: essential structural features. *Journal of cardiovascular pHar macology*. 40(5):701-713.
- Thiele, J. J. 2001. Oxidative targets in the stratum corneum. *Skin Pharmacology and Physiology*. 14:87-91.
- Thurapati, P.R., Mettu S.R., Veerareddy P.R. 2011. Phytosomes: A Novel PhytoPhospholipid Carriers for Herbal Drug Delivery. *International Research Journal of Pharmacy*. 2(6): 28-33.

- Tortora, G. J. Dan Bryan Derrickson H. 2009. *Principle of Anatomy and Physiologi*. John Wiley & Sons. USA
- Verma, A., Singh S., Kaur R., dan Jain U. K. (2013). Formulation and Evaluation of Clobetasol Propionate Gel. *Asian Journal of PHarmaceutical and Clinical Research*, 6(5).
- Wu Y., Yang W., Wang C., Hu J., and Fu S. 2005 Chitosan nanoparticle as a novel delivery sistem for ammonium glycyrrhizinate. *International Journal of Pharmaceutics*. 295:235-245.
- Yaar, M. 2012. Goldsmith L, Katz S, Gilchrest B, Paller A, Leffell D, Wolff K, editores. Fitzpatrick's Dermatology in General Medicine.
- Yang, B., Chen F., Hua Y., Huang S. S., Lin S., Wen L., & Jiang Y. 2012. Prooxidant activities of quercetin, p-courmaric acid and their derivatives analysed by quantitative structure–activity relationship. *Food Chemistry*. 131(2):508-512.
- Yang, Y., *et al.* 2006. Magnesium deficiency enhances hydrogen peroxide production and oxidative damage in chick embryo hepatocyte in vitro. *Biometals*. 19(1):71-81.
- Yanhendri, S. W. Y. 2012. Berbagai Bentuk Sediaan Topikal Dalam Dermatologi. *Cerminan Dunia Kedokteran*. 194(29) :6.
- Yao, Y., Lin G., Xie Y., Ma P., Li G., Meng Q., dan Wu T. 2014. Preformulation studies of myricetin: a natural antioxidant flavonoid. *Die Pharmazie-An International Journal of Pharmaceutical Sciences*. 69(1):19-26.
- Zern, T. L., West K. L., & Fernandez M. L. 2003. Grape polyphenols decrease plasma triglycerides and cholesterol accumulation in the aorta of ovariectomized guinea pigs. *The Journal of nutrition*. 133(7):2268-2272.
- Ziser. 2005. *Integumentary Sistem In Human Anatomy & Physiology*. 10(1):5–20.