

DAFTAR PUSTAKA

- Aiache, J.M., Devissaguet, J., dan Hermann-Guyot, A.M. 1993. Farmasetik 2 Biofarmasi. Edisi ke-2. Penerjemah : Soeratri, W. Judul buku asli : *Biopharmachie*, 43-49, Airlangga University Press, Surabaya.
- AOAC, 1993, *Peer Verified Methods Program: Manual on Policies and Procedures*, Association of Official Analytical Chemist, Vancouver.
- Arisadha, A. N., 2006, Optimasi Proses Pencampuran Gel Repelan *Citronella oil* dengan *Gelling Agent* ; Carbopol ® 940 3%b/v dan PEG 400 Secara *Factorial Design*, *Skripsi*, Fakultas Farmasi, Universitas Sanata Dharma, Yogyakarta.
- Armstrong, N.A., dan James. K.C., 1996, *Pharmaceutical Experimental Design and Interpretation*, 83-86, Taylor and Francis Ltd., London.
- Aulton, 2002, *Pharmaceutical The Science of Dosage Form Design*, 2nd Edition 181-186, Harcourt Publishers, New York.
- Belitz, H.D. dan Grosch, W., 1987, *Food Chemistry*, 2nd Edition, 232-235, Springer, Germany.
- Bolton, S., 1997, *Pharmaceutical Statistics : Practical and Clinical Applications*, 3rd Edition, 265-275, Marcel Dekker Inc., New York.
- Dhawan, B., Aggarwal, G., Harikumar, S. L., 2014, Enhanced Transdermal Permeability of Piroxicam Through Novel Nanoemulgel Formulation, *International Journal of Pharmaceutical Investigation*, **4** : 65-76.
- Dwiastuti, R., 2009, Optimasi proses pembuatan krim sunscreen ekstrak kering polifenol teh hijau (*Camellia sinensis L.*) dengan metode desain faktorial, *Tesis*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Gannu R, Palem CR, Yamsani VV, Yamsani SK, Yamsani MR, 2010, Enhanced bioavailability of lacidipine via microemulsion based transdermal gels: formulation optimization, ex vivo and in vivo characterization, *International Journal of Pharmaceutics*, **388**: 231-241.
- Garg, A., Deepika, A., Sanjay, G., and Anil, K. S., 2002, *Spreading of Semisolid Formulations: An Update*, 178-180, Pharmaceutical Technology, USA.
- Gupta A., Eral H.B., Hatton T.A., Doyle P.S., 2010, Nanoemulsions: formation, properties and applications, *Soft Matter* **12** (11) : 2826-2841.

- Gutierrez J.M., González, C., Maestro, A., 2008, Nano-emulsions : new applications and optimization of their preparation. *Curr Opin Colloid Interface Sci*, **13** : 245-2451.
- Hanafí, T., Anita, Bos, V. G., Joke, A.B., Hans, E. J., Harry, E.B., 1997, In vitro human skin perturbation by Oleic acid: Thermal analysis and freeze fracture electron microscopy studies, *Thermochimica Acta*, **293** : 77-85.
- Harmita, 2004, Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya, *Majalah Ilmu Kefarmasian*, **1** : 117-135.
- Katzung, B.G., 2000, *Basic and Clinical Pharmacology*, 8th Edition, 600-605, Lange Medical Publications, San Francisco.
- Keshavarao, K.P., Selvam, P., dan Mudit, D., 2011, A Novel Technique to Enhancing The Solubility and Dissolution of Ketoprofen Using Freeze Drying, *International Research Journal of Pharmacy*, **2**(12) : 249-252.
- Korhonen, M., 2003, Rheological Properties of Pharmaceutical Creams Containing Sorbitan Fatty Acid Ester Surfactant, *Academic Dissertation*, Faculty of Science, University of Helsinki, Finlandia.
- Kantasubrata, J., 2008, *Validasi Metode*, 30-31, Pusat Penelitian LIPI, Bandung.
- Kantor, T.G., 1986, Ketoprofen: A review of its pharmacologic and clinical properties, *Pharmacotherapy*, **6** : 93-103.
- Liu, K., Chia, Y.Y., Lo, Y., Kan, Y.Y., Wang, J.J., Ho, S.T., 1997, Effect of Preoperative Transdermal Ketoprofen on Post-hysterectomy Pain, *Chin Med J.*, **60** : 290-295.
- Maderuelo, C., Zarzuelo, A., dan Lanao, J.M., 2011, Critical Factors in The Release of Drugs From Sustained Release Hydrophilic Matrices, *J. Controlled release*, **154** : 2-19.
- Malipeddi, V. R., Dua, K., Sara, U. V. S., Malipeddi, H., dan Agrawal, A., 2006, Comparative Evaluation of Transdermal Formulations of Norfloxacin With Silver Sulfadiazine Cream, USP, for Burn Wound Healing Property. *Journal of Burns and Wounds*, **5**(4).
- Martodiharjo, S., 1996, Pelepasan Teofilin Secara Terkontrol dari Matriks Hidroksipropil Metilselulosa Viskositas Tinggi, *Majalah Farmasi Indonesia*, **7**(3) : 153-159.
- Miller, J.N., dan Miller, J.C., 2005, *Statistics and Chemometrics for Analytical Chemistry*, 5th edition, 107-141, Pearson Education Limited, London.

- Moffat, A. C., Osselton, M. D., Widdop, B., 2011, *Clarke's Analysis of Drugs and Poisons*, 1544-1545, Pharmaceutical Press, London.
- Ng, S.-F., Rouse, J. J., Sanderson, F. D., Meidan, V., dan Eccleston, G. M., 2010, Validation of a Static Franz Diffusion Cell System for In Vitro Permeation Studies, *AAPS PharmSciTech*, **11**(3) : 1432–1441.
- Nienow, A., W., Harnby, N., dan Edwards, M.F., 1997, *Mixing in the Process Industries*, 2th Edition, 310-315, Butterworth Heinemann, London.
- Nugroho, A.K., 2013, *Sediaan Transdermal : Solusi Masalah Terapi Obat*, 85-99, Pustaka Pelajar, Yogyakarta.
- Oh, S.Y., Jeong, S.Y., Park, T.G., Lee, J.H, 1998, Enhanced Transdermal Delivery of AZT (Zidovudine) Using Iontophoresis and Penetration Enhancer, *Journal of Controlled Release*, **51**(3) : 161-168.
- Paye, M., Andre O.B., Howard I.M., 2001, Handbook of Cosmetic Science and Technology, 154-155, Marcel Dekker, Inc., New York.
- Primasari, Andini, 2015, Stabilitas Fisika dan pH Sediaan Gel Anti Jerawat Menggunakan *Hydroxyethyl Cellulose* dan *Polyacrilamide-C12-14 Iso paraffin-Laurenth-7* Sebagai Basis Gel, *Jurnal Ilmiah Mahasiswa Universitas Surabaya*, **4**(2).
- Patel, H.C., Parmar, G., Seth, A.K., Patel, J.D., dan Patel, S.R., 2013, Formulation and Evaluation of O/W Nanoemulsions of Ketoconazole, *Pharma Science Monitor*, **4**(4) : 338-351.
- Putri, K. S. S., Slivia S., dan E. Anwar, 2013, Pregelatinized Cassava Starch Phtalate as Film-Forming Excipient for Transdermal Film of Ketoprofen, *Asian Journal of Pharmaceutical and Clinical Research*, **6**(3) : 62-66.
- Ree, Y-S., Choi, J-G., Park, E-S., Chi, S-C., 2001, Transdermal Delivery of Ketoprofen Using Microemulsions, *International Journal of Pharmaceutics*, **228** : 161–170.
- Setiarini, Indah, 2007, Optimasi Proses Pencampuran Gel Repelan *Citronella oil* dengan Carbopol ® 940 3%*b/v* sebagai *Gelling Agent* dan Propilen Glikol sebagai Humektan, *Skripsi*, Fakultas Farmasi, Universitas Sanata Dharma, Yogyakarta.
- Shakeel, F., Baboota, S., Ahuja, A., Ali, J., dan Shafiq, S., 2008, Skin permeation mechanism and bioavailability enhancement of celecoxib from

- transdermally applied nanoemulsion, *Journal of Nanobiotechnology*, **6** : 8-19.
- Sinko, J. P., 2006, *Martin's physical Pharmacy and Pharmaceutical Sciences*, 6th Ed, 469-471, Lippincot Williams dan Wilkins, Philadelphia.
- Sirait, W. A., 2015, Perancangan Dan Simulasi Mesin *Mixer* Kapasitas 6, 9 Liter Putaran 280 Rpm Menggunakan Ansys Fluent 14.0 dan Pengujian, *Skripsi*, Fakultas Teknik, Universitas Sumatera Utara, Medan.
- Solans, C., Izquierdo, P., Nolla, J., Azemar, N., Garcia-Celma, M.J., 2005. Nano-emulsions, *Curr Opin Colloid Int*, **10** : 102-110.
- Trauer, S., Patzelt, A., Otberg, N., Knorr, F., Rozycki, C., Balizs, G., Lademann, J., 2009, Permeation of topically applied caffeine through human skin – a comparison of in vivo and in vitro data, *British Journal of Clinical Pharmacology*, **68**(2) : 181–186.
- Tomoo Itoh, Jun Xia, Ravi Magavi, Toshiaki Nishihata, dan Howard Rytting, 1990, Use of shake skin as a model membrane for in vitro percutaneous penetration studies: comparison with human skin, *Pharmaceutical Research*, **7**(10) .
- Voight, 1994, *Buku Pelajaran Teknologi Farmasi*, Edisi 10, 440-450, Gadjah Mada University Press, Yogyakarta.
- Wahyudi, S., 2013, Formulasi dan Uji Transpor Transdermal In-vitro Emulsi Ketoprofen Menggunakan Hidroksipropil metilselulosa sebagai emulgator, *Tesis*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Watson, D.G., 2003, *Pharmaceutical Analysis, A Textbook for Pharmacy Students and Pharmaceutical Chemists*, 120-122, Churchill Living-stone, London.
- Wicaksono, D., 2015, Optimasi *Rice Bran Oil*, Tween 80-propilen glikol, dan air dalam formulasi nanoemulsi Untuk Sediaan Nanoemulgel Ketoprofen Menggunakan CMC-Na, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Wilde, P.J., 2009, Emulsions and nanoemulsions using dairy ingredients, dalam Corredig, M., *Dairy-Derived Ingredients*, 552, Woodhead Publishing, United Kingdom.