



DAFTAR PUSTAKA

- Anief, M., 1994, *Ilmu Meracik Obat Teori dan Praktik*, 147-148, Gadjah Mada University Press, Yogyakarta.
- Anonim, 2010, Toxicology and Carcinogenesis Studies of Polysorbate 80 (CAS No. 9005-65-6) in F344/N Rats and B6C3F1 Mice (Feed Studies), <http://ntp.niehs.nih.gov/?objectid=0709A276-0D0E-3EBDA3B3CCC2CD707101>, diakses tanggal 09 Maret 2017.
- Al-Muntasher, G.A., Hussein, I.A., Nasr-El-Din, H.A., Amin, M.B., 2006, Viscoelastic properties of a High Temperature Cross-Linked Water Shut-Off Polymeric Gel, *Journal of Petroleum Science and Engineering*, 56-66.
- Ansel, H.C., 1989, *Pengantar Bentuk Sediaan Farmasi*, diterjemahkan oleh Farida Ibrahim, Edisi IV, 162-164, 390-394, UI Press, Jakarta.
- Anwar, E., Ramadon, D., Harmita., 2014, Formulation and Evaluation of Gel and Emulgel of Chili Extract (*Capsicum frutescens* L) As Topical Dosage Forms, *International Journal of Pharmacy and Pharmaceutical Sciences*, 13-16.
- Agustina, Y., 2010, Pengaruh Pelarut Polar Aprotik Pada Sintesis Tetrahidropentagamavunon-0 (THPGV-0) dan Uji Aktivitasnya Sebagai Antijamur, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Bhowmik, D., Gopinath, H., Pragati, B.K., Duraivel, S., Sampath, K.P.K., 2012, Recent Advances In Novel Topical Drug Delivery System, *The Pharma Innovation Journal*, 12-31, India.
- Bolton, S., 1997, *Pharmaceutical Statistic and Clinical Application*, Edisi 3, 610-613, Marcel Dekker Inc., New York..
- Bouchemal, K., Briançon, S., Perrier, E., Fessi, H., 2004, Nanoemulsion formulation using spontaneous emulsification : solvent, oil, and surfactant optimisation, *International Journal of Pharmaceutics*, 241-251, France.
- Chime S.A., Kenechukwu, F.C., Attama, A.A., 2014, *Nanoemulsions — Advances in Formulation, Characterization and Applications in Drug Delivery*, University of Nigeria Nsukka, Nigeria.
- Da'i M., 1998, Pengaruh Gugus β di keton terhadap Daya Reduksi Kurkumin dan Turunannya pada Ion Ferri, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.



Dhawan B., Aggarwal G., and Harikumar S.L., 2014., Enhanced transdermal permeability of piroxicam through novel emulgel formulation, *International Journal of Pharmaceutical Investigation*, 65-76.

Faharvian, A.D., 2016, Optimasi Formula Gel Tetrahidropentagamavunon-0 dengan Kombinasi Basis Karbomer dan CMC Na Menggunakan Metode *Simplex Lattice Design, Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.

Ferry, M.L., 2011, Optimasi Tween 80 dan Span 80 Sebagai Emulsifying Agent serta Carbopol Sebagai Gelling Agent Dalam Sediaan Emulgel Photoprotector Ekstrak Teh Hijau (*Camellia sinesis L.*): Aplikasi Desain Faktorial, *Skripsi*, Universitas Sanata Dharma, Yogyakarta.

Guojun, Lv., Wang, Fumin., Cai, W., Zhang, X., 2014, Characterization of The Emulsions Formed by Catastrophic Phase Inversion, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 141-147.

Hoover, J.E., 1976, *Dispensing of Medication*, Edisi 8, 612, Mack Publishing Company, United States of America.

Khan, B.A., Akhtar, N., Muhammad, H.S.K., Waseem, K., Mahmood, T., Rasul, A., Iqbal M., Khan, H., 2011, Basic of Pharmaceutical Emulsion : A Review, *African Journal of Pharmacy and Pharmacology*, 2715-2725, Pakistan.

Kumar, V., Mahant, S., Rao, R., Nanda, S., 2015, Emulgel based Topical Delivery System for Loratadine, *ADMET & DMPK*, 2(4), 254-271.

Kuncari, E.S., Iskandarsyah., Praptiwi., 2014, Evaluasi, Uji Stabilitas Fisik dan Sineresis Sediaan Gel yang Mengandung Minoksidil, Apigenin dan Perasan Herba Seledri (*Apium graveolens L.*), *Buletin Penelitian Kesehatan*, 213-222.

Lieberman, H.A., Rieger, M.M., Banker,, G.S., 1996, *Pharmaceutical Dosage Forms Disperse Systems*, Edisi 2, 47-49, 93-94, Marcel Dekker Inc, New York.

Majeed M., Badmaev, U.Shirakumar, and R. Rajendar, 1995, *Curcuminoids Antioxidant Phytonutrien, pis catway*, Nutri Science Publisher Inc., New Jersey, 3-80.

Marchaban., Fudholi, A., Saifullah, T.N.S., Martien, R., Kuswahyuning, R., Bestari, A.N., Indrayan, B., 2017, *Teknologi Formulasi Sediaan Cair Semi Padat*, 88-91, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.

Martin, E.W., 1961, *Remington's Practice of Pharmacy*, Edisi 12, 242-256, Mack Publishing Company, United States of America.



Mashooq A.B., Nazrul H., and Faiyaz S., *Solubility of N-(4-chlorophenyl)-2-(pyridin-4-ylcarbonyl)hydrazinecarbothioamide in PEG 400 + water co-solvent mixtures at 289.15 K to 338.15 K*, Thermoschimica Acta, 235-240, Saudi Arabia.

McClements, D.J., 2007., Critical Review of Techniques and Methodologies for Characterization of Emulsion Stability, *Crit Rev Food Nut*, 47(7), 611-649.

McClements D.J. & Jiajia Rao., 2011., *Food-Grade Nanoemulsions: Formulation, Fabrication, Properties, Performance, Biological Fate, and Potential Toxicity*, Taylor & Francis Group, United States.

Mintariyanti, B., 2010, Pengaruh Pelarut Polar Protik pada Sintesis Tetrahidropentagamavunon-0 (THPGV-0) dan Uji Aktivitasnya Sebagai Antibakteri, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.

Mollet, H., dan Grubenmann, A., 2001, *Formulation Technology Emulsions, Suspensions, Solid Forms*, diterjemahkan oleh Payne, H.R., 59-62, 177, 259-262, Willey-VCH, Weinheim.

Naz, Z., Jalees, F.,A., 2015, Curcumin-loaded colloidal carrier system: formulation optimization, mechanistic insight, ex vivo and in vivo evaluation, *Nanomedicine Research Lab*, 4293–4307.

Nugroho A.E., Ritmaleni., Novizal A.S., and Kazutaka M., 2010, Inhibitory effect of THPGV-0 on the histamine release from antigen-induced RBL-2H3 cells, *Majalah Farmasi Indonesia*, 21(4), 242-249.

Panwar, A.S., Upadhyay, N., Bairagi, M., Gujar, S., Darwhekar, N., Jain, D.K, 2011, Emulgel : A Review, *Asian Journal of Pharmacy and Life Science*, 1(3), India.

Parrot, E.L., 1971, *Pharmaceutical Technoloy: Fundamental Pharmaceutics*, 338, Burgess Publishing Company, Unite States of America.

Rahil M.G., Khushboo A., Bhagat., and Samir K.S., 2015, Formulation and evaluation of Topical Nanoemulgel of Adaplene, *World of Journal Pharmaceutical Sciences*, 3(4), 1013-1024.

Rieger M.M., Lachman L., Lieberman H.A., and Kanig J.L., 1986,*The Theory and Practice of Industrial Pharmacy*, Third edition, 502-533, PA Lea and Febiger, Philadelphia.

Ritmaleni., Simbara, A., 2010, *Sintesis Tetrahidro Pentagamavunon-0*, *Majalah Farmasi Indonesia*, 21 (2), 100-105.



Rowe, R.C., Sheskey, P.J., and Quinn, M.E., 2009, *Handbook of Pharmaceutical Excipient*, 6th ed, 447-449, 549-553, 675-678, Pharmaceutical Press, London.

Sardjiman, 2000, Synthesis of Some New Series of Curcumin Anogues, Antioxidative, Antiinflammatory, Antibacterial Activities and Qualitative Structure-Activity Relationship, *Dissertation*, Gadjah Mada University, Yogyakarta, Indonesia.

Schimdt, U.S., Bernewitz, R., Guthausen, G., dan Schuchmann, H.P., 2014, Investigation and application of measurement techniques for the determination of the encapsulation efficiency of O/W/O multiple emulsions stabilized by hydrocolloid gelation, *Colloids and Surface A: Physicochemical and Engineering Aspects*, 55-61.

Shakeel, F., Baboota, S., Ahuja, A., Ali, J., Aqil, M., Shafiq, S., 2007, *Nanoemulsion as Vehicle for Transdermal Delivery of Aceclofenac*, AAPS PharmSciTech, 8 (4), Article 104.

Singh, D., Mital, N., Kaur, G, 2015, Topical Drug Delivery Systems : A Patent Review, *Journal of Expert Opinion in Therapeutic Patents*, 26(2),213-28.

Singla, V., Saini, S., Joshi B., Rana, A.C., 2012, Emulgel : A New Platform for Topical Drug Delivery, *International Journal of Pharma and Bio Sciences*, 486-498, Punjab.

Simbara, A., 2009, Sintesis dan Uji Aktivitas Antioksidan Senyawa Tetrahidropentagamavunon-0 (THPGV-0), *Tesis*, Program Pascasarjana Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.

Smaoui, S., Ben, H.H., Jarraya, R., Grati, N.K., Ellouze, R., Damak, M., 2012, Cosmetic Emulsion From Virgin Olive Oil: Formulation and Bio-Physical Evaluation, *African Journal of Biotechnology*, 8417-8424, Tunisia.

Wardiyati, S., Takeuchi, M., 1995, Studi Percobaan Pembuatan dan Pemecahan Emulsi “Air dalam Minyak”, *Prosiding Pertemuan dan Presentasi Ilmiah*, 261.

Wijayanti, N.P.A.D., Astuti, K.W., Putra, I.G.N.A.D., Prasetia I.G.N.J.A., Darayanthi, M.Y.D., Nesa, P.N.P.D., Wedarini, L.D.S., Adhiningrat, D.N.P., 2015, Profil Stabilitas Fisika Kimia Masker Gel Peel-off Ekstrak Kulit Buah Manggis (*Garcinia mangostana* L.), *Jurnal Farmasi Udayana*, 99-103, Denpasar.