

DAFTAR PUSTAKA

- Agusta, Andria, 2000, *Minyak Atsiri Tumbuhan Tropika Indonesia*, Penerbit ITB, Bandung.
- Akpan, A. & Morgan, R., 2002, *Review Oral Candidiasis*, Hospital NHS Trust, Upton.
- Alexopoulos, C. J. & Mims, C. W., 1979, *Introductory Mycology*, 3rd Ed., 556-557, John Wiley & Sons, Canada.
- Anonim, 1978, *Tanaman Industri*, 19, 107, Lembaga Biologi Nasional, Bogor.
- Anonim, 1979, *Farmakope Indonesia*, Edisi III, Departemen Kesehatan Republik Indonesia, Jakarta.
- Anonim, 1984, *The HLB System: A Time Saving Guide to Emulsifier Selection*, ICI Americas Inc., Wilmington.
- Ansel, Howard C., 2008, *Pengantar Bentuk Sediaan Farmasi*, Edisi Keempat, Penerbit Universitas Indonesia, Jakarta.
- Ayoola, G. A., Lawore F. M., Adelowotan, T., Aibinu, I. E., Adenipekun, E., Coker, H. A. B., & Odugbemi, T. O., 2008., Chemical Analysis and Antimicrobial Activity of the Essential Oil of *Syzygium aromaticum* (Clove), *African Journal of Microbiology Research*, **2** : 162-166.
- Badan Standardisasi Nasional, 2006, *Minyak Daun Cengkeh*, http://sisni.bsn.go.id/index.php/sni_main/sni/detail_sni/7590, 18 Desember 2015.
- Bajaj S., Singla, D., & Sakhuja N., 2012, Stability Testing of Pharmaceutical Products, *Journal of Applied Pharmaceutical Science*, **2** (3) : 129-138.
- Bhuiyan, Md., Begum, J., Nandi, N. C., dan Akter, F., 2010, Constituents of the Essential Oil From Leaves and Buds of Clove (*Syzygium aromaticum* (L.) Alston), *African Journal of Plant Science*, **4** (11) : 451-454.
- Brooks, Geo. F., Butel, Janet S., & Ornston, L. Nicholas, 1991, *Medical Mycology*, 323-325, Appleton & Lange, California.
- Brooks, G. F., Carrol, K. C., Butel, J. S., dan Morse, S. A., 2007, *Jawetz, Melnick, Adelsberg's Medical Microbiology*, 24th Ed., The McGraw-Hill's Company, New York.

- Carrasco, H., Raimondi, M., Svetaz, L., Di Liberto, M., Rodriguez, Maria V., Espinoza, L., Madrid A., dan Zacchino, S., 2012, Antifungal Activity of Eugenol Analogues Influence of Different Substituents and Studies on Mechanism of Action, *Molecules*, **17** : 1002-1024.
- Chami, N., Chami, F., Bennis, S., Trouillas, J., dan Remmal, A., 2004, Antifungal Treatment with Carvacrol and Eugenol of Oral Candidiasis in Immunosuppressed Rats, *The Brazilian Journal of Infectious Disease*, **8** (3) : 217-226.
- Chang, R., 2006, *Kimia Dasar : Konsep-Konsep Inti*, Erlangga, Jakarta.
- Chen, H., Chang, X., Du, D., Li, J., Xu, H., dan Yang, X., 2006, Microemulsion-Based Hydrogel Formulation of Ibuprofen For Topical Delivery, *International Journal of Pharmaceutics*, **315** : 52-58.
- Chen, H., Khmetong, C., Yang, X., Chang, X., dan Gao, J., 2011, Nanonization Strategies for Poorly Water Soluble Drugs, *Drug Discovery Today*, **16** : 354-360.
- Chime, S. A., Kenchukwu, F. C., dan Attama, A. A., 2014, *Nanoemulsion – Advances in Formulation, Characterization, and Application in Drug Delivery*, University of Nigeria, Nsukka.
- Combe, E. C., 1992, *Notes on Dental Materials*, edisi 6, 223-224, Churchill Livingstone Inc., New York.
- Dash, Rajendra N., Habibuddin, M., Humaira, T., dan Ramesh, D., 2015, Design, Optimization, and Evaluation of Glipizide Solid Self Nanoemulsifying Drug Delivery for Enhanced Solubility and Dissolution, *Saudi Pharmaceutical Journal*, **23** (5) : 528-540.
- Denton, Philip & Rostron, Chris, 2013, *Pharmaceutics : The Science of Medicine Design*, Oxford University Press, Oxford.
- Devkatte, Anupama N., Zore, Gajanan B., dan Karuppayil, Mohan, 2005, Potential of Plant Oils as Inhibitors of *Candida albicans* Growth, *FEMS Yeast Research*, **5** : 867-873.
- Hunter, R. J., 1981, *Zeta Potential in Colloid Science*, Academic Press, London.
- Januszewski, J.P., 1972, *Mouthwash Containing Polymeric Polyoxyethylene Nonionic Surface ctive Agent and Chloroform*, US Patent 3639563.
- Khanifah, F., 2015, Efek Pemberian Air Perasan Jeruk Nipis (*Citrus aurantifolia* (Christm) Swingle) Terhadap Pembentukan, Pertumbuhan, dan Penghancuran

Biofilm *Staphylococcus Aureus* Secara *In Vitro*, *Skripsi*, Fakultas Kedokteran dan Ilmu Kesehatan, Program Studi Farmasi, UIN Syarif Hidayatullah, Jakarta.

Klang, V.M Schwarz, J. C., Matsko, N., Rezvani, E., El-Hahin, N., Wirth, M., dan Valenta, C., 2011, Semi-Solid Sucrose Stearate-Based Emulsions as Dermal Drug Delivery Systems, *Pharmaceutics*, **3** : 275-306.

Kurniawan, D.W. dan Sulaiman, T.N.S., 2009, *Teknologi Sediaan Farmasi*, Graha Ilmu, Yogyakarta.

Lalwani, Jitendra T., Thakkar, Vaishali T., dan Patel, Harsha V., 2013, Enhancement of Solubility and Oral Bioavailability of Ezetimibe By A Novel Solid Self Nano Emulsifying Drug Delivery System (SNEDDS), *International Journal of Pharmacy and Pharmaceutical Science*, **5** (3) : 513-522.

Lees, M., 2003, *Food Authenticity and Traceability*, Woodhead Publishing, Cambridge.

Lovelyn, C. & Attama, A. A., 2011, Currents State of Nanoemulsion in Drug Delivery, *Journal of Biomaterials and Nanobiotechnology*, **2** : 626-639.

Martin, A., Swarbrick, J., dan Cammarata, A., 2008, *Farmasi Fisik*, Edisi 2, UI-Press, Jakarta.

Mayer, F., Wilson, D., dan Hube, B., 2013, *Candida albicans* Pathogenicity Mechanisms, *Virulence*, **4** (2) : 119-128.

McClements, David J., 2010, Edible Nanoemulsions : Fabrication, Properties, and Functional Performance, *Soft Matter*, **7** : 2297-2316.

Mishra, M., 2015, *Handbook of Encapsulation and Controlled Release*, CRC Press, Boca Raton.

Nurdjannah, N., 2004, *Diversifikasi Penggunaan Cengkeh*, Balai Besar Penelitian dan Pengembangan Pasca Panen Pertanian, Bogor.

Ozturk, I., Karaman, S., Baslar, M., Cam, M., Caliskan, O., Sagdic, O., dan Yalcin, H., 2014, Aroma, Sugar, and Anthocyanin Profile of Fruit and Seed of Mahlab (*Prunus mahaleb* L.) : Optimization of Bioactive Compunds Extraction by Simplex Lattice Mixture Design, *Food Analytical Method*, **7** : 761-773

Pensak, P & Januszewski J. P. 1975, *Clear Lemon-Flavored Mouthwash*, US Patent 3864472.

Pensak, P. & Januszewski, J.P., 1975, *Oral Product*, US Patent 3947570.

- Pereira, Fillipe de Oliveira, Mendes, Moura Juliana, dan Lima, Edeltrudes de Oleiveira, 2013, Investigation on Mechanism of Antifungal Activity of Eugenol *Trichophyton rubrum*, *Medical Mycology*, **51** : 507-513.
- Power, J. M. dan Sakaguchi, R. I., 2006, *Craig's Restorative Dental Material*, Ed. 12, 164-167, C.V. Mosby Co., Toronto.
- Pratap, S. B., Brajesh, K., K., Jain S., dan Kausar, S., 2012, Development and Characterization of A Nanoemulsion Gel Formulation for Transdermal Delivery of Carvedilol, *International Journal of Drug Development & Research*, **4** : 151-161.
- Pratiwi, Sylvia T., 2008, *Mikrobiologi Farmasi*, Penerbit Erlangga, Jakarta.
- Price, Sylvia A. & Wilson, Lorraine M., 1995, *Patofisiologi*, 1295-1296, Penerbit Buku Kedokteran EGC, Jakarta.
- Ramadan, M. F., Asker, M. M. S., dan Tadros, M., 2013, Lipid Profile, Antiradical Power, and Antimicrobial Properties of *Syzygium aromaticum* Oil, *Grasas Y Aceites*, **64** (5) : 509-520.
- Ramirez, J. G., 2009, *Statistical Intervals : Confidence, Prediction, Enclosure*, W. L. Gore and Associates Inc., Newark.
- Rana, I. S., Rana, A. S., dan Rajak, R. C., 2011, Evaluation of Antifungal Activity in Essential Oil of The *Syzygium aromaticum* (L.) by Extraction, Purification, and Analysis of Its Main Component Eugenol, *Brazilian Journal of Microbiology*, **42** : 1269-1277.
- Rowe, Raymond C., Sheskey, Paul J. & Owen, Sian C., 2005, *Handbook of Pharmaceutical Excipients*, Ed. 1, 299, 580-581, Pharmaceutical Press, London.
- Salle, A.J., 1991, *Fundamental Principle Of Bacteriology*, Ed. 5, Mc Graw Hill, New York.
- Schick, Martin J., 1987, *Nonionic Surfactants Physical Chemistry*, Marcel Dekker Inc., New York.
- Sebaugh, J.L., 2010, *Guidelines for Accurate EC50/IC50 Estimation*, Pharmaceutical Statistics, Columbia.
- Seneviratne, C. J., Jin, L. J., Samaranayake, Y. H., dan Samaranayake, L. P., 2008, Cell Density and Cell Aging as Factors Modulating Antifungal Resistance of *Candida albicans* Biofilms, *Antimicrobial Agents and Chemotherapy*, **52** (9) : 3259-3266.

- Shah P., D., Bhalodia, dan P., Shelat, 2010, Nanoemulsion : A Pharmaceutical Review, *Systematic Reviews in Pharmacy*, **1** : 24-32.
- Sharma, N., Bansal, M., Visht, S., Kulkarni, G.T., dan Sharma, P.K., 2010, Nanoemulsion: A New Concept of Delivery System, *Chronicles of Young Scientists*, **1** (2) : 2-6.
- Simatupang, Maria Magdalena, 2009, *Candida albicans*, Departemen Mikrobiologi Fakultas Kedokteran Universitas Sumatera Utara, Medan.
- Srilatha, R., Aparna, C., Srinivas, D.R., dan Sadanandam, D.R.M., 2013, Formulation, Evaluation Characterization of Glipizide Nanoemulsion, *Asian Journal of Pharmaceutical and Clinical Research*, **6** (2), 66-71.
- Suciati, T., Aliyandi, A., dan 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.
- Sutton, S., 2013, Measurement of Microbial Cells by Optical Density, *Journal of Validation Technology*, Burlington.
- Toedt, J., Koza, D., dan Cleef-Toedt, K., 2005, *Chemical Composition of Everyday Products*, Greenwood, Westport.
- Toutain-Kidd, Christine M., Kadivar, Samoneh C., Bramante, Carolyn T., Bobin, Stephen A., dan Zegans, Michael E., 2008, Polysorbate 80 Inhibition of *Pseudomonas aeruginosa* Biofilm Formation and Its Cleavage by The Secreted Lipase LipA, *Antimicrobial Agents and Chemotherapy*, **53** (1) : 136-145.
- Washington, C., 1992, *Particle Size Analysis In Pharmaceutics and Other Industries : Theory and Practice*, Ellis Horwood, New York.
- Widodo, S. dan Lambri S. E., 1980, Peranan Kumur-kumur dalam Perawatan Periodontal, *Kumpulan Naskah Ceramah Ilmiah dan Kongres Nasional ke XIV PDGI*, 140-144, Yogyakarta.
- Widyaningrum, Suci A., 2015, Formulasi dan Uji Aktivitas Antimikroba Nanoemulsi Minyak Manis Jagan (*Cinnamomum burmanni* Nees ex. Bl.) Terhadap *Pseudomonas aeruginosa* NCTC 12924 dan *Staphylococcus aureus* ATCC 29213, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Wijaya, C. Hanny, Rachmatillah A. Fieki, Bachtiar Boy M., 2014, Penghambatan Cajuputs Candy Terhadap Viabilitas Khamir *Candida albicans* Secara Invitro, *Jurnal Teknologi dan Industri Pangan*, **25** (2) : 158-167.



Optimasi Formula Mouthwash Nanoemulsi Minyak Cengkeh (*Syzygium aromaticum*) Sebagai Antifungi Terhadap *Candida albicans* ATCC 10231 Melalui Uji In Vitro
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Williams, D., & Lewis, M., 2011, *Pathogenesis and Treatment of Oral Candidosis*, Cardiff University, United Kingdom.