

DAFTAR PUSTAKA

- Anonim. Farmakope Indonesia Edisi V 2014. Jakarta :Kementrian Kesehatan Republik Indonesia. 2014
- Ansel, C. Howard. *Pengantar Bentuk Sediaan Farmasi Edisi Keempat*. Jakarta : UI Press. 2005.
- Aulton. M.E. *Aultons Pharmaceutics The Design And Manufacture of Medicines*. New York : Churchill Livingstone Elviesier; 2007.
- Baki, Gabriella Dan K. S Alexander. *Introduction to Cosmetic Formulation and Technology*. New Jersey : John Wiley & Sons, Inc., Hoboken. 2015
- Balouri. M, Sadiki. M, dan Ibsouda. S.K. Methods for in vitro Evaluating Antimicrobial Activity: A review. *Journal Pharmaceutical Analysis*. 2016; 6:71-79.
- Betageri. G.V, K. R. Makarla. Enhancement of Dissolution of Glyburide by Solid Dispersion and Lyophilization Techniques. *International Journal of Pharmceutics*. 1995; 126: 155-160.
- Brown JP and Dodds MWJ. Dental Caries and Associated Risk Factors. In: Cappelli DP and Mobley CC. *Preventionand Clinical Oral Health Care*. Missuori: Mosbyelsevier. 2008.
- Budavari, S., *The Merck Index: An Encyclopedia Of Chemicals, Drugs, and Biologicals*. 11 Ed. Rahway: Merck And Co. 1989. P. 1557.
- Cansaran D, D., Kahya, E. Yurdakulol, O., dan Atakol. Identification and Quantitation of Usnic Acid From The Lichen Usnea Spesies of Antolia And Antimicrobial Activity. *Z. Naturforsch*. 2006; 61c:773-776.
- Chiou, W. L dan S. Riegelman. *Pharmaceutical Application of Solid Dispersion System*. *Journal Pharmaceutical Science*. 1971; 60(9): 1281-1302
- Dave, K., Panchal, L., dan Shelat, P.K. Development and Evaluation of Antibacterial Herbal Toothpaste containing Eugenia caryophullus, Acacia nilotica, and Mimusops elengi. *Internaion Journal of Chemistry and Pharmaceutical Science*. 2014; 2(3):666-673.
- Ferrari, G., Ghione, M., dan Ghirardi, P.,. Use of Usnic acid or Derivatives thereof in the treatment of dental caries. *European Patent*. 1987
- Guo. L, Q. Shi1, J. Fang1, N. Mei1, A. A. Ali1, S. M. Lewis1, J. E.A. Leakey1, Dan V. H. Frankos. Review of Usnic Acid and Usnea Barbata Toxicity. *J Environ Sci Health C Environ Carcinog Ecotoxicol Rev*. 2008;26(4): 317–338.

Ingolfsdottir, K. Usnic Acid. *Phytochemistry*. 2002; 61(7):729-736

Iswandana, R dan Sihombing, L. KM. Formulasi, Uji Stabilitas Fisik, dan Uji Aktivitas Secara In Vitro Sediaan Spray Antibau Kaki yang Mengandung Ekstrak Etanol Daun Sirih (*Piper bettle. L*). *Pharmacy Science Research*. 2017;4(3) :121-131

Kahkeshan, K.F, L. A. Nikghalb, G. Singh Dan G. Singh. Solid Dispersion: Methods and Polymers To Increase The Solubility Of Poorly Soluble Drugs. *Journal of Applied Pharmaceutical Science*. 2012;2(10):170-175

Kidd, Edwina A.M Dan Joyston-Bechal, S. 2012. *Essential Of Dental Caries : The Disease and Its Management*. Alih Bahasa : Narlan Sumawinata dan Safrida Faruk. *Dasar-Dasar Karies : Penyakit aan Penanggulangan*. Jakarta : EGC

Koh. P.T., J. N. Chuah, Meghna Talekar¹, A. Gorajana¹ dan S. Garg. Formulation Development and Dissolution Rate Enhancement of Efavirenz by Solid Dispersion Systems. *Indian Journal of Pharmaceutical Sciences*. 2013;75(3):291-301

Kukla. R , J. Mazurova¹, V. Bostikova, R. Sleha, E. Slehova, S. Janovska dan V. Adamkova. *In Vitro* Antibacterial Activity of Usnic Acid and Octyl Gallate Against Resistant *Enterococcus* Strains. *Military Medical Science Letters*. 2014;83(3):104-113

Kumar, S., L, Thripathi., T. Magilal., T, Vihayakumari., dan T., Kavitha. Comparative Evaluation of Experimental Toothpaste Formulation and Three Popular Commercial Toothpaste: An Invitro Study. *International Journal of Current Research*, Vol 7(04);15274-15283. 2015.

Lewis, R.J., Sr (Ed.). *Hawley's Condensed Chemical Dictionary*. 13th Ed. New York, Ny: John Wiley & Sons, Inc., 1997. P. 1160

Lillo, L., Munoz, I., Perez, J., Alarcon, J., L.Cespedes, C., Cabello, G., Lamilla, C., dan Caro, C. Solubility effect on antibacterial activity of chemically modified chitooligasaccharides of fungal origin. *Bol Latinom Caribe Plan Med Aromat*. 10(6):536-542. 2011.

Maciazg-Dorszynska, M, G. Wezgrzyn And B. Guzow-Krzeminska.. Antibacterial Activity of Lichen Secondary Metabolite Usnic Acid is Primarily Caused By Inhibition of RNA and DNA Synthesis. *Fems Microbiol Lett*. 2013; 353: 57–62

Madamombe. I.T. and A.J. Afolayan. Evaluation of Antimicrobial Activity of Extracts From South African *Usnea Barbata*. *Pharmaceutical Biology*. 2003;. 41(3): 199–202 2003

Marshak, G. Alfred dan N.Y, Brooklyn. Methode for Extracting Usnic Acid. United State Patent Office. 1951.

Mauraya. S. K, M. Haque, A. K. Singh, Dan A. Seth. Forulation Development, Physico-Chemical Characterization and Evaluation of Antimicrobial Activity of Herbal Tooth Gel. Journal of Chemical and Pharmaceutical Research. 2014; 6(3): 1279-1285.

Mitsui, Takeo. New Cosmetic Scince. Netherlands : Elsevier Science. 1998

Mogal S. A, Gurjar P. N, Yamgar D. S dan Kamod A.C. Solid Dispersion Technique for Improving Solubility of Some Poorly Soluble Drugs. Der Pharmacia Lettre. 2012; 4 (5):1574-1586.

Naik, V Vasu., Harshavardhan Pathapati, Dan M Sirisha . 2016. *Harshodent – “Innovative Herbal Tooth Paste”*. International Journal of Advances In Pharmacy And Biotechnology, Vol. 2 (2), P.1-9

Okuyama. E, Y. Yamamoto, Y. Kinoshita. Usnic Acid and Diffractaic Acid as Analgesic and Antipyretic Components of Usnea Diffracta. Planta Medica. 1995; 61

Paju N, Paulina VYY, Novel K. Uji Efektivitas Salep Ekstrak Daun Binahong (*Anredera cordifolia* (Ten.) Steenis) pada Kelinci (*Oryctolagus cuniculus*) yang Terinfeksi Bakteri *Staphylococcus aureus*. Jurnal Ilmiah Farmasi; 2013. 2(1): 51-61.

Paudel. B, H. D. Bhattaraia, H. K. Leea, H Oh, H. W. Shinc, Dan J. H. Yima. Antibacterial Activities Of Ramalin, Usnic Acid and Its Three Derivatives Isolated From The Antarctic Lichen Ramalina Terebrata. Z. Naturforsch. 2010. 65 C, 34 – 38.

Pratiwi, R.S., Tjiptasurasa, dan Whyuningrum, R. Aktivitas Antibakteri Ekstrak Etanol Kayu Nangka (*Arthocarpus heterophylla* Lmk.) Terhadap *Bacillus subtilis* dan *Escherichia coli*. Pharmacy.2011. 08(03).

Putri, M.H., Eliza H., Dan Neneng N. Ilmu Pencegahan Penyakit Jaringan Keras dan Jaringan Pendukung Gigi. Jakarta :EGC. 2012

R. Ananthi, Tinabaye A, Ganesan T, Selvaraj G, Arulmozhi S, Senthil Kumar S. Antimicrobial and Anti-Inflammatory Activity of Usnic Acid and Its Acetyl Derivative Usnic Acid Diacetate. International Journal of Scientific and Engineering Research. 2016; 7(8): 39-43

Rowe, Raymond C, Paul J Sheskey Dan Marian E Quinn. *Handbook of Pharmaceutical Excipient 6th Edition*. UK: Pharmaceutical Press. 2009

Sekar, Mahendran., Noor Jasmin Dan.Shamsul Ariffin. 2016. *Formulation , Evaluation And Antibacterial Properties Of Novel Polyherbal Toothpaste For Oral Care*. International Journal of Pharmaceutical and Clinical Research, Vol. 8 (8), P.1155-1158

Shender. V dan Telrandhe. R. Formulation and Evaluation of Tooth Gel fro Aloe vera Leaves Extract. International Journal of Pharmaceutics and Drug Analysis. 2017;5(6): 394-398.

Sinaredi, B.R., Pradopo, S., dan Wibowo. T.B. Daya Antibakteri Obat Kumur Chlorhexidine, Povidone Iodine, Flouride Suplementasi Zinc Terhadap, *Streptococcus Mutans* dan *Porphyromonas Gingivalis*. Dental Journal, Vol 47(4). 2014.

Sinko, Patrick J. Martin, Farmasi Fisika dan Ilmu Farmasetika Edisi 5. Jakarta : EGC. 2011

Skert. N, P. L. Nimis Dan G. Sava. A Review on Usnic Acid, an Interesting Natural Compound. The Science of Nature. 2002;89:137–146

Stark. J.B., E . D. Walter dan H. S. Owens. Method of Isolation of Usnic Acid from *Ramalina Reticulata*. The Western Regional Research Laboratoray, Albany California. 1950; 72

Tahmourespour, Arezoo., Rooha Kasra Kermanshahi., Rasoul Salehi Dan Pero Nafiseh Ghasemi. Biofilm Formation Potential of Oral *Streptococci* In Related To Some Carbohydrate Substrates. African Journal of Microbiology Research.2010; 4 (11):1051-1056

Tarigan, Rasinta. 2016. Karies Gigi. Jakarta : EGC

Vijayakusumar C.S, S. Viswanathan, M. Kannappa Reddy, S. Parvathavarthini, A.B Kundu, E. Sukumar. Anti-Inflammatory Activity Of (+)-Usnic Acid. Fitoterapia. 2000; 71; 564-566

Vinita A. P, B. Trupti B, T. Mitesh R. T, M. Nitin D, Khandelwel K.R. Formulation and Evaluation of Dental Gel Containing Essential Oil Of Coriander Against Oral Pathogens. International Research Journal of Pharmacy. 2013; 4(10):48-54.

Widyana W, Siti K, Irwan L. Aktivitas Antibakteri Ekstrak Lumut *Octoblepharum albidium Hedw* terhadap Pertumbuhan *Staphylococcus Epidermidis* dan *Pseudomonas aeruginosa*. Jurnal Protobiont. 2014; 3(2) : 166 -170.

Zhu, D.,Cheng, H., Li, J., Zhang, W., Shen, Y., Chen, Z., dan Chen, S., Enhanced Water Solubility and Antibacterial Activity of Novel Chitosan Derivatives

Modified With Quaternary Phosphonium Salt. Material Science and Engineering.
C61; 79-84. 2015.

