

DAFTAR PUSTAKA

- Anonim, 2008, British Pharmacopoeia Volume 1 & II, <http://www.uspbpep.com/bp2008/data/7646.asp>, diakses pada 1 Desember 2016.
- Anonim, 2015, Search for Chemicals. Sodium Benzoate (CAS 532-32-1) Registered Substances Dossier. *European Chemical Agency*, https://pubchem.ncbi.nlm.nih.gov/compound/sodium_benzoate#section=Flash-Point, 26 November 2016.
- Anonim, 2011, *The United States Pharmacopeia 34 and The National Formulary* 29, United States Pharmacopeial Convernition, USA
- Anonim, 2001, Uji Anti Inflamasi Senyawa PGV-0, PGV-1, dan HGV-1, pada Tikus Jantan dan Betina, dan Elusidasi Mekanisme Anti Inflamasi, *Laporan Penelitian TIM Molnas*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Anonim, 1997, *Compendium of Chemical Terminologi, 2nd Edition (The "Gold Book")*, Blackwell Scientific Publications, Oxford.
- Aulton M, 2002, *Dissolution and Solubility, Pharmaceutics: The Science of Dosage Form Design, 2nd Edition*, Churchill Livingstone, London.
- Bahremand, N. dan Eskandari, S., 2013, Determination of Potassium Sorbate and Sodium Benzoate in "Doogh" by HPLC and Comparison with Spectrophotometry, *International Journal of Bio-Inorganic Hybrid Nanomaterials* Vol. 2 No. 3, 429-435.
- Bauduin, P., Renoncourt, A., Kopf, A., Touraud, d., Kunz, w., 2005, *Unified Concept of Solubilization in Water by Hydrotropes and Cosolvent*, *Langmuir*, 21, 6769-6775.
- Basir, D.N., 2015, Spektrofotometer UV-Vis, Laporan Penelitian, Universitas Hasanudin Makassar.
- Behera, A.L., Sahoo S.K., S.V., 2010, Enhancement Solubility : A Pharmaceutical Overview, *Der Pharmacia Lettre*, 2(2) : 310-318
- Beiq, A., Lindley, D., Miller, J.M., Aqbaria, R., Dahlan, A., 2016, Hydrotropic Solubilization in Lipophilic Drugs for Oral Delivery : The Effects of Urea and Nicotinamide on Carbamazepine- Solubility and Permeability Interplay, *Frontiers in Pharmacology*, 7:379.
- Bustamante, C. dan Bustamante, P., 1996, Non Linear Enthalpy Entrophy Compensation for Solubility of Phenacetine in Dioxine-Water Solvent Mixture, *Journal Pharmaceutical Sciences* : 1109-1110.
- Chaurasia, G., 2016, A Review on Pharmaceutical Preformulation Studies in Formulation and Development of new Drug Molecules, *International Journal of Pharmaceutical Sciences and Research*, 7(6): 2313-20.
- Connor dkk, 1986, *Chemical Stability of Pharmaceuticals : A Handbook for Pharmacist Second Edition*, John Wiley & Son, New York.

- Dahlan, A., Miller J.M., Amidon, G.L. 2009, Prediction of Solubility and Permeability Class Membership : Provisional BCS Classification of The World's Top Oral Drug, *The American Association of Phramaceutical Scientist Journal* Vol 11.
- Deepshikha, S., Vaibhav, S., Kharia, A.A., dan Chatterjee, D.P., 2012, Techniques for Solubility Enhancement for Poorly Soluble Drugs : An Overview, *Journal of Medical Pharmaceutical and Allied Sciences* 01 : 18 -38, Oriental College of Pharmacy, Bhopal.
- Dhapte dan Mehta, 2015, Advances in Hyrotropic Solution : An Updated Review. *St. Petersburg Polytechnical University Journal : Physics and Mathematics*, Volume 1, Issue 4, 424-435.
- Diana, M., 2004, Pengaruh pH terhadap Kelarutan Pentagamavunon-0 (PGV-0), *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Florence, A.T. and Attwood, D., 2002, *Physicochemical Principles of Pharmacy 4th Edition*, Mc Millan, Hongkong.
- Gandjar, I.G. & Rohman, A., 2012, *Kimia Farmasi Analisis*, Pustaka Pelajar, Yogyakarta.
- Istyastono, E.P., Siwi, R.S.U., Utama, A.A., dan Suparjan, A.M., 2002, Sintesis Uji Daya Anti-Inflamasi Natrium Pentagamavunonat-0, *Laporan Penelitian*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Jhariya, A.N., Joshi, A., Parashar, A.K., Nema, R.K., Application of Sodium Citrate As Hydrotropic Agent in Spectrophotometric Analysis of Salicylic Acid, *International Journal of Pharmaceutical Sciences and Research*, India.
- Jain, A., 2008, Solubilization of Indometachin Using Hydrotropes for Aqueous Injection, *European Journal od Pharmacy*. Biopharm 68 701-714.
- Kumar, V.S., Raja, C., Jayakumar, C, 2014, A Review on Solubility Enhancement Using Hydrotropic Phenomena, *International Journal od Pharmaceutical Science*, 6,1-7
- Kurniawati, I., 1999, Metode Analisis Kuantitatif Pentagamavunon-0 pada Tikus Putih, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Lachman, L., Lieberman H.A., dan Kanig J.L., 1986, *The Theory and Practise of Industrial Pharmacy 3rd Edition*, Lea & Febiger, Philadelphia.
- Maheshwari, R K., Chaturvedi, S.C., Jain, N.K., 2007, Novel Application of Hydrotropic Solubilization in The Quantitative Analysis of Some NSAIDs and Their Solid Dosage Forms, *Indian Journal of Pharmaceutical Science*, <http://www.ijpsonline.com/articles/novel-application-of-hydrotropic-solubilization-in-the-analysis-of-some-nsaids-and-their-solid-dosage-forms.html>, 5 Juni 2017.
- Maheshwari, R.K., Chavada, V., Varghese, S., Shahoo, 2008, Analysis of Bulk Sample of Salicylic Acid by Application of Hydrotropic Solubilization

- Method, *Indian Journal Pharmaceutical Science*, **70(6)**: 823-825, <http://www.ijpsonline.com/articles/analysis-of-bulk-sample-of-salicylic-acid-by-application-of-hydrotropic-solubilization-method.html>, 5 Juni 2017.
- Maheshwari, R.K., Moond, S., More, M.M., Prajapati, S.P., Verma, S., 2010, *Quantitative Spectrophotometric Determination of Cefixime Tablet Formulation Using Sodium Tartrate as Hydrotropic Solubilizing Agent*, Departement of Pharmacy, Indore, India.
- Martin, A., Bustamante, P., dan Chun, A.H.C., 1993, *Physical pharmacy : Physical Chemical Principles in The Pharmaceutial Sciences*, 4th Edition, Lea & Febiger, Philadelphia.
- Nidhi, K., Indrajeet, Singhvi., Khushboo M.H., Gauri K., Sen D.J., 2011, Hydrothropy : A Promising Tool For Solubility Enhancement : A Review, *International Journal of Drug Development and Research*, 3(2) : 26-33, <http://www.ijddr.in/drug-development/hydrothropy-a-promising-tool-for-solubility-enhancement-a-review.pdf>, 20 Juli 2017.
- Neumann, M.G., Schmitt, C.C., Prieto, K.R., Goi, B.E., 2007, The Photo Physical Determination of The Minimum Hydrotrope Concetration of Aromatic Hydrotropes, *Journal of Colloid Interface Science*, 315:810-813 <http://www.sciencedirect.com/science/article/pii/S0021979707009733>, 21 Juli 2017.
- Nurrochmad, A., 1997, *Penghambatan Biosintesis Prostaglandin Melalui Jalur Siklooksigenase oleh Siklovan dan Tiga Senyawa Analognya*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Paladiya, S., Chauchan, C.C., Jotania, R.B. 2010, *Physical Property of Magnesium Doped Barium Hexaferrite by Citrate Precursor Route in Presecnce of Surfactants*, AIP Conference Proceedings, Thapal University Patiala.
- Pridianingsih, R.A., 2017, Pengaruh Penambahan Kafein sebagai Agen Hidrotrop terhadap Kelarutan Pentagamavunon-0, *Skripsi*, Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Patel, S.K., Kumar D., Waghmode A.p., Dhabale A.S., 2011, Solubility Enhancement of Ibuprofen Using Hydrotropic Agents, *International Journal of Pharmacy and Life Sciences*, <http://www.ijplsjournal.com/issues%20PDF%20files/feb%202011/1.pdf>, 5 Juni 2017.
- Rasool, A.A., Hussain, A.A., Dittert, L.W., 1991, Solubility Enhancement of Some Water Insoluble Drugs in The Presence of Nicotinamide and Related Compounds, *Journal of Pharmaceutical Sciences*, 4, 387-393.

- Roy dan Moulik, 2002, Functions of Hydrotropes (Sodium Salicylate, Proline, Pyrogallol, Resorcinol, and Urea) in Solution with Special Reference to Amphiphile Behaviors, *Colloids and Surfaces A Physicochemical and Engineering Aspects*, Vol.203,no 1-3, 155-166.
- Sajid, M.A. dan Choudhary V, 2012, Solubility Enhancement Methods With Importance of Hydrotropy, *Journal of Drug Delivery and Therapeutics* 2(6) 96-101
- Sardjiman, 1993, Synthesis 2,6-Bis-(3',5'-dimetil 4' hidroksibenzilidin) sikloheksanon; 2,5 -Bis-(4' -hidroksi- 3' -metoksibenzilidin) siklopentanon dan Pentadien -3-on dan Daya Antioksidannya, *Laporan Penelitian*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Sardjiman, 2000, Synthesis of Some New Series of Curcumin Analogues, Antioxidative, Anti Inflammatory, Anti Bacterial Activities, dan Qualitative Structure-Activity Relationships, *Disertasi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Savjani, K.T., Gajjar A.K., dan Savjani J.K., 2012, Drug Solubility : Importance and Enhancement Techniques, *International Scholary Research Network*, Institute of Pharmacy, Nirma University, India.
- Sharma, R.A., Gescher, A.J., Steward, W.P., 2005, Curcumin : The Story So Far, *European Journal of Cancer*, www.ejconline.com, 2 Desember 2016
- Sharma, B.K., 2007, *Spectroscopy* Ed 20, GOEL Publishing House, Delhi
- Shete, A.S., Yadav, A.V., Dable, A.P., Sakhare, S.S., dkk, 2010, Formulation and Evaluation of Hydrotropic Solubilization Based Suspensions of Griseofulvin, *International Journal of Pharma Sciences and Research*, India.
- Stegemann, S., Leveiller F, Franchi D., Jong D.H., Linden, H., 2007, When Poor Solubility Becomes An Issue : From Early Stage to Proof of Concept, *European Journal of Pharmaceutical Sciences*, *European Federation of Pharmaceutical Sciences Elsevier*, (5):249-61.
- Thakkar, A.L. dan Tensmeyer, L.G., 1974, Complexation of Theophylline with Natrium Benzoate : An NMR Study, *Journal of Pharmaceutical Sciences*, [http://jpharmsci.org/article/S0022-3549\(15\)41765-4/pdf](http://jpharmsci.org/article/S0022-3549(15)41765-4/pdf), 18 Juli 2017
- Vadlamudi, K.M., Dhanaraj, S., 2016, Disparate Practical Way of Doing Solubility Enhancement Study to Improve The Bioavailability of Poorly Soluble Drugs, *Journal of Chemical and Pharmaceutical Research*, www.jocpr.com, diakses pada 10 Juli 2017
- Voight, R, 1994, *Buku Pelajaran Teknologi Farmasi Edisi 5*, Gadjah Mada University Press, Yogyakarta.

- Wahyuni, A.S., 1999, Perbandingan Daya ulserogenik antara Senyawa Pentagamavunon-0 dan Asetosal pada Lambung Tikus Putih, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Wahyuni, A.S., 1998, Pengaruh Daya Ulserogenik PGV-0 pada Lambung Kelinci dengan Berbagai Kadar, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Wu, C.Y. dan Benet L.S., 2005, Predicting Drug Disposition Via Application of BCS: Transport / Absorption Elimination Interplay & Development of a Biopharmaceutical Drug Disposition Classification System, *Pharmaceutical Research* 22 (1), 23-27