

DAFTAR PUSTAKA

- Alhalaweh, A., Roy, L., Rodriquez-Hornedo, N., Velaga, S.P. 2012. pH-Dependent Solubility of Indomethacin-Saccharin and Carbamazepine-Saccharin Cocrystal in Aqueous Media. *Molecular Pharmaceutics*. Vol 9 (9), pp. 2605-2612
- Allam, A.N, Naggar V.F, El gamal S.S. 2013. Formulation and Physicochemical Characterization of Chitosan/Acyclovir Co-crystals. *Pharmaceutical Development and Technology*. Vol 18 (4), pp: 856-65.
- Anandam, S. and Selvamuthukumar, S. 2014. Fabrication of cyclodextrin nanosponges for quercetin delivery: Physicochemical characterization, photostability, and antioxidant effects. *Journal of Materials Science*. 49, p.8140-8153
- Apshingekar, P.P., Aher, S., Kelly, A.L., Brown, E.C., Paradkar, A. 2017. Synthesis of Caffeine/Maleic Acid Co-cyrstal by Ultrasound-assisted Slurry Co-crystallization. *J.Pharm.Sci*. 106 (1). pp. 66-70
- Barikah, K.Z. 2018. Traditional and Novel Methods for Cocrystal Formation. *Sys. Rev. Pharm*. 9 (1). pp. 79-82
- Bathori, N.B., Lemmerer, A., Venter, G.A., Bourne, S.A., and Caira, M.R. 2011. Pharmaceutical Co-crystals with Isonicotinamide; Vitamin B3, Clofibric Acid, and Diclofenac, and Two Isonicotinamide Hydrates. *Crystal Growth & Design*. vol. 11 no. 1. P. 75 – 87
- Batisai, E., Ayamane, A., Kilinkissa, O.E.Y., Bathori, N.B. 2014. Melting Point – Solubility – Structure Correlations in Multicomponent Crystal Containing Fumaric Acid or Adipic Acid. *Cryst. Eng. Comm*. 16. 9992-9998
- Bischoff, S. C. 2008. Quercetin: Potentials in the prevention and therapy of disease. *Current Opinion in Clinical Nutrition & Metabolic Care*. 11(6), 733-740.
- Bond, A.D. 2012. Fundamentals Aspects of Salts and Co-crystals. In: Wouters, J., Quere, L (Eds). *Pharmaceutical Salts and Co-crystals*. Cambridge : The Royal Society of Chemistry, pp : 9-28
- Boots, A. W., Kubben, N., Haenen, G. R., and Bast, A. 2003. Oxidized quercetin reacts with thiols rather than with ascorbate: Implication for quercetin supplementation. *Biochemical and Biophysical Research Communications*. 308, 560-565.
- BPOM. 2005. *Pedoman Uji Bioekivalensi*. Kepala BPOM Republik Indonesia
- Bruni, G., Maietta, M., Maggi, L., Mustarelli., Ferrara, C., Berbenni, V., Milanese, C., Girella, A., Marini, A. 2013. Preparation and Physicochemical Characterization of Acyclovir Cocrystals with Improved Dissolution Properties. *Journal of Pharmaceutical Sciences*. Vol 102(11), pp: 4079-86.

- Bustamane, C., and Bustamane, P. 1996. Nonlinear Enthalpy-Entropy Compensation for the Solubility of Phenacetin in Dioxane-Water Solvent Mixtures. *J.Pharm.Sci.* 85 (20). P 1109-1110
- Cao, H.L., Zhou, J.R., Cai, F.Y., Lu, J., Cao, R. 2018. Two Component Pharmaceutical Cocrystals Regulated by Supramolecular Synthons Comprising Primary N \cdots H \cdots O Interactions. *Cryst. Growth. Des.* 19 (1). pp. 3-16
- Chebotarev, A.N., and Snigur, D.V. 2015. Study of Acid-Base Properties of Quercetin in Aqueous Solution by Color Measurements. *Journal of Analytical Chemistry.* Vol. 70. No. 1. p. 55 – 59
- Chen, A.M. 2007. Development of Pharmaceutical Cocrystal of a Monophosphate Salt with Propionic Acid. *Chem.Commun.* 419-421
- Conklin, K. A. 2000. Dietary antioxidants during cancer chemotherapy: Impact on chemotherapeutic effectiveness and development of side effects. *Nutrition and cancer.* 37,1-18.
- Da Costa, S.M., Filho, J.M.B., Nascimento, T.G., Mace'do, R.O. 2002. Thermal Characterization of the Quercetin and Rutin Flavonoids. *Thermochimica Acta.* 392-392. pp. 79-84
- Davis, R.E., Lorimer, K.A., Wilkowsli, M.A., Rivers, J.H. 2004. Studies of Relationship in Cocrystal Systems. *ACA Transactions.* 39. pp. 41-61
- DepKes RI. 1995. *Farmakope Indonesia.* Edisi 4. Jakarta. Departemen Kesehatan Republik Indonesia. pp: 57, 609-10, 979-81, 989-92.
- Duenas, M., Gonzalez-Manzano, S., Gonzalez-Paramas, A., and Santos-Buelga, C. 2010. Antioxidant evaluation of O-methylated metabolites of catechin, epicatechin and quercetin. *Journal of Pharmaceutical and Biomedical Analysis.* 51, 443-449.
- Eddleston, M.D., Madusanka, N., Jones, W. 2014. Cocrystal Dissociation in the Presence of Water: A General Approach for Identifying Stable Cocrystal Forms. *Journal of Pharmaceutical Sciences.* 103. pp. 2865-2870
- FDA. 2017. *GRAS Notice for high purity quercetin.* Retrieved from <https://wayback.archiveit.org/7993/20170607012307/https://www.fda.gov/downloads/Food/IngredientsPackagingLabeling/GRAS/NoticeInventory/UCM269541.pdf> Downloaded on 10th June 2019
- Ferry, D. R., Smith, A., Malkhandi, J., Fyfe, D. W., Anderson, D., and Baker, J. 1996. Phase I clinical trial of the flavonoid quercetin: Pharmacokinetics and evidence for in vivo tyrosine kinase inhibition. *Clinical Cancer Research.* 2, 659-668.
- Florence, A.T., and Attwood., D. 2006. Solids. *Physicochemical Principles of Pharmacy.* 4th Ed. London : Pharmaceutical Press, pp: 8-32.

- Friscic, T., Childs, S.L., Rizvi, S.A.A., Jones, W. 2008. The Role of Solvent in Mechanochemical and Sonochemical Cocrystal Formation : a Solubility-Based Approach for Prediction Cocrystallisation Outcome. *Crystal Engineering Community*. Vol 11, pp: 418-26.
- Friscic, T., and Jones, W. 2012. Recent Advances in Understanding the Mechanism of Cocrystal Formation via Grinding. *Crystal Growth and Design*. Vol 9 (3), pp : 1621-37.
- Gagniere, E., Mangin, D., Veessler, S., Puel, F. 2012. Co-crystallization in Solution and Scale-up Issues. In: Wouters, J., Quere, L.(Eds) *Pharmaceutical Salts and Co-crystals*. Cambridge : The Royal Society of Chemistry, pp : 188-211.
- Gao, L., Liu, G., Wang, X., Liu, F., Xu, Y., Ma, J. 2011. Preparation of a chemically stable quercetin formulation using nanosuspension technology. *International Journal of Pharmaceutics*. 404, 231-237.
- Gilmore, C.J. 2011. X-Ray Diffraction. In : Storey,R.A., Ymen, I. (Eds.). *Solid State Characterization of Pharmaceuticals*. Chichester : Blackwell Publishing. p :35-69.
- Good, D.J., and Rodriguez-Hornedo, N. 2010. Cocrystal Eutectic Constants and Prediction of Solubility Behaviour. *Cryst. Growth Design*. 10. 1028-1032
- Gozali, D., Megantara, S., Levita, J., Bahti, H.H, Soewandhi, S.N., Abdassah, M. 2016. Virtual Screening of Cofomers for Atorvastatin Co-Crystallization of the Characterization of the Co-Crystals. *Int J Pharm Sci Res*. 7(4). 1450-1455
- Gupta, P.K. 2000. Solutions and Phase Equilibria in *Remington, The Science and Practice of Pharmacy*. 20th Ed., Mack-Publishing Co., Easton, Pennsylvania, 208-226
- Harwood, M., Danielewska, B., Borzelleca, J.F., Flamm, G.W., Williams, G.M., Lines, T.C. 2007 A Critical Review of the Data Related to the Safety of Quercetin and Lack of Evidence of In Vivo Toxicity, Including Lack of Genotoxic/ Carcinogenic Properties. *Food Chem.Toxicol*. 45 (11). p. 2179 - 2205
- Hashemzadeh, N., Vahdati,S., Mahmoodzadeh, E., Jouyban, A. 2012. Thermodynamic Studies of Ketoconazol Solubility in Water + Ethanol Mixtures at Different Temperatures. *Research in Pharmaceutical Sciences*. 7 (5)
- He, G., Jacob, C., Guo, L., Chow, P.S., Tan, R.B.H. 2008. Screening for Cocrystallization Tendency : The Role of Intermolecular Interactions. *The Journals of Physical Chemistry B*. Vol 112. p : 9890-95.
- Hornedo, N.R., Sarah, J.N., Kurt, F.S., Yomaira, P., Christopher, J.F. 2006. Reaction Crystallization of Pharmaceutical Molecular Complexes. *Molecular Pharmaceutics*. 3 (3). pp.362-367
- Jayasankar, A.; Reddy, L. S.; Bethune, S. J.; Rodríguez-Hornedo, N. 2009 Role of Cocrystal and Solution Chemistry on the Formation and Stability of Cocrystals with Different Stoichiometry. *Cryst. Growth & Design*. 9. 889-897

- Karagianni, A., Malamarati, M., Kachrimanis, K. 2018. Pharmaceutical Cocrystals: New Solid Phase Modification Approaches for the Formulation of APIs. *Pharmaceutics*. 10 (18). 1-30
- Kashyap, D., Garg, V.K., Tuli, H.S., Yerer, M.B., Sak, K., Sharma, A.K., Kumar, M., Aggarwal, V., Sandhu, S.S. 2019. Fisetin and Quercetin: Promising Flavonoids with Chemopreventive Potential. *Biomolecules*. 9. 174
- Kendre, P.N., Pande, V.V., and Chavan K.M. 2014. Novel Formulation Strategy to Enhance Solubility of Quercetin. *Pharmacophore*. vol.5 (3), 358-370
- Kern, A. 2008. Profile Analysis. In : Clearfield, A., Reibenspies, J., Bhuvanesh, N. (Eds.). *Principles and Applications of Powder Diffraction*. Chichester : Blackwell Publishing. pp : 158-98.
- Kerr, H.E., Softley, L., Kuthuru, S., Nangia, A., Hodgkinson, P., and Evans, I.R. 2015. A furosemide – isonicotinamide cocrystal: An investigation of properties and extensive structural disorder. *CrystEngComm*. 2 (11) p. 435-445
- Khaled, K., A., El-Sayed, Y.M., and Al-Hadiya, B.M. 2003. Disposition of the Flavonoid Quercetin in Rats After Single Intravenous and Oral Doses. *Drug Development and Industrial Pharmacy*. Vol 29. No 4. Pp. 397 - 403
- Kim, B. H., Choi, J. S., Yi, E. H., Lee, J. K., Won, C., and Ye, S. K. 2013. Relative antioxidant activities of quercetin and its structurally related substances and their effects on NFkB/CRE/AP-1 signaling in murine macrophages. *Molecules and Cells*. 35, 410-420.
- Knab, A.M., Shanely, R.A., Henson, D.A., Jin, F., Heinz, S.A., Austin, M.D., Nieman, D.C. 2011. Influence of Quercetin Supplementation on Disease Risk Factors in Community-Dwelling Adults. *J.Am.Diet.Assoc*. 111(4). p.542 - 549
- Kotak, U., Prajapati, V., Solanki, ., Jani, G., Jha, P. 2015. Co-crystallization Technique Its Rationale and Recent Progress. *World Journal of Pharmacy and Pharmaceutical Sciences*. Vol 4(4), pp: 1484-1508.
- Krisnalah, Y. S. R. 2010. Pharmaceutical Technologies for Enhancing Oral Bioavailabilitas of Poorly Soluble Drugs. *Journal of Bioequivalence & Bioavailability*. Vol 2(2). pp: 28-36.
- Kumari, A., Yadav, S. K., Pakade, Y. B., Singh, B., Yadav, S. C. 2010. Development of biodegradable nanoparticles for delivery of quercetin. *Colloids and Surfaces B: Biointerfaces*. 80, 184-192.
- Lachman, L., Lieberman, H.A., and Joseph K.L. 2013. *The Theory and Practice of Industrial Pharmacy*. 3rd Ed. Philadelphia. Lea and Febiger
- Lee, K. W., Bode, A. M., and Dong, Z. 2011. Molecular targets of phytochemicals for cancer prevention. *Nature Reviews Cancer*. 11, 211-218.

- Li, H., Zhao, X.B., Ma, Y.K., Zhai, G., Li, L., Lou, H. 2009. Enhancement of gastrointestinal absorption of quercetin by solid lipid nanoparticles. **Journal of Controlled Release**. 133. 238–244
- Li, Z., Matzger, A.J. 2016. Influence of Coformer Stoichiometric Ratio on Pharmaceutical Cocrystal Dissolution: Three Cocrystal of Carbamazepine/ 4-Aminobenzoic Acid. **Mol. Pharmaceutics**. 990-995
- Lide, D.R. 2005. **Handbook of Chemistry and Physics**. 86th Ed. Boca Raton, FL: CRC.
- Lin, J., Teo, L.M., Leong, L.P., Zhou, W. 2019. *In vitro* Bioaccessibility and Bioavailability of Quercetin from the Quercetin Fortified Bread Products with Reduced Glycemic Potential. **Food Chemistry**. 286. 629–635
- Lund, W. 1994. **The Pharmaceutical Codex**. 12th Ed. The Pharmaceutical Press, London. 1010-1011.
- Maheshwari, C., Andre, V., Reddy, S., Duarte, T., Rodriguez-Hornedo, N. 2012. Tailoring Aqueous Solubility of a Highly Soluble Compound via Cocrystallization: Effect of Coformer Ionization, pH max and Solute-Solvent Interaction. **Cryst. Eng. Comm.** 14 (14). 4801-4811.
- Masuda, T., Yoshihashi, Y., Yonemochi, E., Fujii, K., Uekusa, H., Terada, K. 2012. Cocrystallization and Amorphization Induced by Drug-Excipient Interaction Improves the Physical Properties of Acyclovir. **International Journal of Pharmaceutics**. Vol. 422, pp: 160-9.
- McNamara, D.P., Childs, S.L., Giordano, J., Iarriccio, A., Cassidy, J., Shet, M.S., Mannion, R., O'Donnell, E., Park, A. 2006. Use of a Glutaric Acid Cocrystal to Improve Oral Bioavailability of a Low Solubility API. **Pharm. Res.** 23 (8). 1888-1897
- Merchant, H.A., Pereira, F.A., Rabbie, S.C., Youssef, S.A., Basit, A.W. 2015. Gastrointestinal Characterisation and Drug Solubility Determination in Animals. **J. Pharm. Pharmacol.** 67 (5). 630-639
- Moon, Y. J., Wang, L., DiCenzo, R., dan Morris, M. E. 2008. Quercetin pharmacokinetics in humans. **Biopharmaceutics & Drug Disposition**. 29, 205-217
- Nabavi, S. F., Russo, G. L., Daglia, M., Nabavi, S. M. 2015. **Role of quercetin as an alternative for obesity treatment: You are what you eat! Food Chemistry**. 179, 305-310.
- Nanjwade V.K, F.V. Manvi, Shamrez A. M., Basavaraj K. N. Meenaxi M. M. 2011. New Trends in the Co-crystallization of Active Pharmaceutical Ingredients. **Journal of Applied Pharmaceutical Science**. 01 (08). pp 01-05.
- Nichols, G., Luk, S., Roberts, C. 2011. Microscopy. *In* : Storey, R.A., Ymen, I. (Eds.). **Solid State Characterization of Pharmaceuticals**. Chichester : Blackwell Publishing. pp : 287- 356

- Nugrahani, I., Utami, D., Permana, B., Ibrahim, S. 2018. Development of the NSAID-L-Proline Amino Acid Zwitterionic Cocrystals. *Journal of Applied Pharmaceutical Science*. Vol. 8(04). pp 057-063
- Padrela, L., de Azevedo, E.G., Velaga, S.P. 2012. Powder X-Ray Diffraction Method for the Quantification of Cocrystal in the Crystallization Mixture. *Drug Dev. Ind. Pharm.* 38. 923-929
- Partogi, T, Soewandhi S.N, Pamudji J.S, Wikarsa S. 2013. Identification of physical interaction between anti malarial drugs combination artesunate-amodiaquine hydrochloride. *International Journal of Pharmacy and Pharmaceutical Sciences*. Vol 5(3), pp: 206-10.
- Pihko, P. 2009. Introduction. In : Pihko, P., ed. *Hydrogen Bonding in Organic Synthesis*. Hoboken: John Willey and Sons. pp. 1-4
- Priprem, A., Watanatorn, J., Sutthiparinyanont, S., Phachonpai, W., Muchimapura, S. 2008. Anxiety and cognitive effects of quercetin liposomes in rats. *Nanomedicine: Nanotechnology, Biology and Medicine*. 4(1), 70-78.
- Qiao, N., Li, M., Schlindwein, W., Malek, N., Davies, A., Trappitt, G. 2011. Pharmaceutical Cocrystals : An Overview. *International Journal of Pharmaceutics*. Vol 419, pp: 1-11.
- Qiu, Y., Chen, Y., Zhang, G.G.Z. 2009. *Developing Solid Oral Dosage Forms, Pharmaceutical Theory and Practice*. 1st Ed., Elsevier Inc., New York
- Rager, T., and Hilfiker, R. 2012. Application of Phase Diagram in Cocrystal Search and Preparation. In: Wouters, J., Quere, L (Eds). *Pharmaceutical Salts and Cocrystals*. Cambridge : The Royal Society of Chemistry, pp : 280-99.
- Rahman, Z., Agarabi, C., Zidan, A.S., Khan, S.R., Khan, A.M. 2011. Physico-mechanical and Stability Evaluation of Carbamazepine Cocrystal with Nicotinamide. *AAPS PharmSciTech*. 12. 693-704
- Rattanachaikunsopon, P., and Phumkhachorn, P. 2010. Contents and antibacterial activity of flavonoids extracted from leaves of *Psidium guajava*. *Journal of Medicinal Plants Research*. 4, 393-396.
- Reutzel-Edens, S.M. 2012. Analytical Techniques and Strategies for Salt/Co-crystal Characterization. In: Wouters, J., Quere, L.(Eds.). *Pharmaceutical Salts and Cocrystals*. Cambridge : The Royal Society of Chemistry. pp : 212-46
- Rodriguez-Spong, B., Price, C.P., Jayasankar, A. 2005. General Principles of Pharmaceutical Solid Polymorphism: A Supramolecular Perspective. *Adv. Drug Deliv. Rev.* 56. 241-274
- Rohn, S., Buchner, N., Driemel, G., Rauser, M., Kroh, L.W. 2007. Thermal Degradation of Onion Quercetin Glucosides under Roasting Conditions. *J. Agric. Food Chem.* 55, 1568-1573

- Rothwell, J.A, Day, A.J., and Morgan, M.R.A. 2005. Experimental Determination of Octanol-Water Partition Coefficients of Quercetin and Related Flavonoids. *J.Agric.Food.Chem.* 2005. 53 (11). Pp 4355-4360
- Samipillai, M., Rohani, S. 2019. The Role of Higher Coformer Stoichiometry Ratio in Pharmaceutical Cocrystals for Improving Their Solid-State Properties: The Cocrystals of Progesterone and 4-hydroxybenzoic acid. *J. Of Cryst. Growth.* Vol 507. pp. 270-282
- Sambandam, B., Kumar, S., Ayyaswamy, A., Yadav, N., Thiagarajan, D. 2015. Synthesis And Characterization Of Poly D-L Lactide (Pla) Nanoparticles For The Delivery Of Quercetin. *Int J Pharm Pharm Sci.* Vol 7 (5). pp. 42-49
- Santos, O.M.M., Reis, M.E.D., Jacon, J.T., Lino, M.E.S., Simoes, J.S., Doriguetto, A.C. 2014. Polimorphism : An Evaluation of the Potential Risk to the Quality of Drug Products from the Farmacia Popular Rede Propria. *BJPS.* Vol 50 (1).
- Sarkar, A., Rohani, S., 2015. Cocrystals of Acyclovir with Promising Physicochemical Properties. *Journal of Pharmaceutical Sciences.* Vol. 104, pp: 98-105.
- Saunders, M., Gabbott, P. 2011. Thermal Analysis-Conventional Techniques. In : Storey,R.A., Ymen, I. (Eds.). *Solid State Characterization of Pharmaceuticals.* Chichester : Blackwell Publishing. pp : 135-185.
- Schultheiss, N., Henck, J.A. 2012. Role of Co-crystals in the Pharmaceutical Development Continuum. In:Wouters, J., Quere, L (Eds). *Pharmaceutical Salts and Co-crystals.* Cambridge : The Royal Society of Chemistry, pp :110-27.
- Schultheiss, N., Newman, A. 2009. Pharmaceutical Cocrystals and Their Physicochemical Properties. *Crystal Growth and Design.* Vol.9 (6), pp: 2950-67.
- SDBS-IR. 2019. *Spectral Database for Organic Compounds.* In : sdb.db.aist.go.jp/sdb/cgi-bin/direct_frame_top.cgi (akses 10 Juni 2019)
- Sekhon B.S. 2012. Nutraceutical Cocrystals : An Overview. *RGUHS Journal Pharmaceutical Science.* 2 (2). pp 16-25.
- Serajudin, A.T. 2007. Salt Formation to Improve Drug Solubility. *Adv. Drug Deliv. Rev.* 59 (7). 603-616
- Setyawan, D., Jovita, R.O., Iqbal, M., Paramanandana, A., Yusuf, H., Lestari, M.L. 2018. Co-crystalization of Quercetin and Malonic Acid using Solvent-Drop Grinding Method. *Tropical Journal of Pharmaceutical Research.* 17 (6). pp. 997-1002
- Setyawan, D., Oktavia, I.P., Farizka, R., Sari., R. 2017. Physicochemical Characterization and In Vitro Dissolution Test of Quercetin-Succinic Acid Co-Crystals Prepared using Solvent Evaporation. *Turk. J. Pharm. Sci.* 14 (3). P. 280 - 284
- Setyawan, D., Sari, R., Yusuf, H., Primaharinastiti, R. 2014. Preparation and Characterization of Artesunate-Nicotinamide Cocrystal by Solvent Evaporation

- and Slurry Method. *Asian Journal of Pharmaceutical and Clinical Research*. 7 (1). pp. 62-65
- Shargel L., Wu-Pong S., Yu A.B.C. 2012. *Biofarmasetika dan Farmakokinetika Terapan*. Diterjemahkan oleh Fasich & Budi Suprapti. Edisi Kelima. Pusat Penerbitan dan Percetakan Universitas Airlangga. hal 414-417, 456-465.
- Singh, D., Rawat, M.S.M., Semalty, A., Semalty, M. 2012. Quercetin-Phospholipid Complex: An Amorphous Pharmaceutical System in Herbal Drug Delivery. *Current Drug Discovery Technologies*. 9. pp.17-24
- Sinha, A.S., Maguire, A.R., Lawrence, S.E. 2015. Cocrystallization of Nutraceuticals. *Cryst. Growth and Design*. 15 (2). Pp 984 - 1009
- Sinko, P.J. 2011. *Martin's Physical Pharmacy and Pharmaceutical Sciences*. 6th Ed. Lippincott Williams & Wilkins, Philadelphia. 209-231
- Srinivas, K., King, J.W., Howard, L.R., Monrad, J.K. 2010. Solubility and solution thermodynamic properties of quercetin and quercetin dihydrate in subcritical water. *Journal of Food Engineering*. 100. pp. 208–218
- Suzuki, N., Kawahata, M., Yamaguchi, K., Suzuki, T., Tomono, K., Fukami, T. 2018. Comparison of the relative stability of pharmaceutical cocrystals consisting of paracetamol and dicarboxylic acids. *Drug Development And Industrial Pharmacy*. Vol. 44, No. 4, 582–589
- Smith, A.J., Kavuru, P., Wojtas, L., Zaworotko, M.J., and Shytle, R.D. 2011. Cocrystal of Quercetin with Improved Solubility and Oral Bioavailability. *Mol. Pharm.* 8 (5) p. 1867 - 1876
- Sweetman, S.C. Eds. 2009. *Martindale : The Complete Drug Reference*. 36th edition. London : Pharmaceutical Press Publishing.
- Thakuria, R., Delori, A., Jones, W., Lipert, M.P., Roy, L., Rodriguez-Hornedo, N. 2013. Pharmaceutical Cocrystals and Poorly Soluble Drugs. *International Journal of Pharmaceutics*. Vol 453, pp: 101-125.
- Trask, A.V., Motherwell, W.D.S., Jones, W. 2005. Pharmaceutical Cocrystallization: Engineering a Remedy for Caffeine Hydration. *Cryst. Growth Des.* 5. 1013-1021
- Veverka, M., Dubaj, T., Gallovic, J., Joric, V., Veverkova, E., Danihelova, M., Simon, P. 2015. Cocrystals of quercetin: synthesis, characterization, and screening of biological activity. *Monatsh Chem.* 146:99–109
- Vicatos, A.I., Cairaa, M.R. 2019. A new polymorph of the common cofomer isonicotinamide. *CrystEngComm*. 21. 843-849
- Wang, X., Ouyang, Y. Y., Liu, J., & Zhao, G. 2016. Flavonoid intake and risk of CVD: a systematic review and meta-analysis of prospective cohort studies. *The British journal of nutrition*. 111,1-11.

- Wouters, J., Rome, S., Quere, L. 2012. Monographs on Most Frequent Cocrystal Formers. In: J. Wouters, L., Quere, eds. *Pharmaceutical Salts and Co-crystals*. Cambridge : The Royal Society of Chemistry. pp. 338-382
- Wurster, D.E., Taylor P.W. 1965. Dissolution Rates. *Journal of Pharmaceutical Sciences*. Vol 54 (2), pp: 169-75.
- Xu, D., Hu, M.J., Wang, Y.Q., Cui, Y.L. 2019. Antioxidant Activities of Quercetin and Its Complexes for Medicinal Application. *Molecules*. 24. 1123
- Yamashita, H., Hirakura, Y., Yuda, M., Teramura, T., Terada, K. 2013. Detection of Cocrystal Formation Based on Binary Phase Diagram Using Thermal Analysis. *Pharmaceutical Research*. Vol 30(1), pp: 70-80.
- Yalkowsky, S.H. 1993. *Techniques of Solubilization of Drugs*. Marcel Dekker Inc., New York. 1-14, 91-134
- Yamashita, H., Hirakura, Y., Yuda, M., Teramura, T., Terada, K. 2013. Detection of Cocrystal Formation Based on Binary Phase Diagram Using Thermal Analysis. *Pharmaceutical Research*. 30 (1). pp. 70-80
- Yang, D., Yang, G., Zhao, J., Zheng, R., Wang, Y., and Lv, J., 2017. A Theoretical Assignment on Excited-Site Intramolecular Proton Transfer Mechanism for Quercetin. *J.Phys.Org.Chem*. e3684
- Zaini, E., Halim A, Soewandhi N.S, Setyawan D. 2011. Peningkatan Laju Pelarutan Trimetoprim melalui Metode Ko-Kristalisasi dengan Nikotinamida. *Jurnal Farmasi Indonesia*. Vol 5 (4), pp: 205-12.