

DAFTAR PUSTAKA

- Abdassah, M. (2017) 'Nanopartikel dengan Gelasi Ionik', *Farmaka*, 15(1), pp. 45–52. Available at: <https://doi.org/10.24198/jf.v15i1.12138>.
- Abdassah, M. *et al.* (2020) *Sistem Baru Penghantaran Obat*. Bandung: Unpad Press.
- Adekiya, T.A. *et al.* (2020) 'A Review of Nanotechnology for Targeted Antischistosomal Therapy', *Frontiers in Bioengineering and Biotechnology*, 8. Available at: <https://www.frontiersin.org/article/10.3389/fbioe.2020.00032> (Accessed: 18 February 2022).
- Ahmadi Tehrani, A. *et al.* (2019) 'Formation of nanosuspensions in bottom-up approach: theories and optimization', *DARU Journal of Pharmaceutical Sciences*, 27(1), pp. 451–473. Available at: <https://doi.org/10.1007/s40199-018-00235-2>.
- Apsari, P.I.B. (2021) 'Evaluation of the Anthelmintic Therapy of Albendazole as a Mass Drug in Elementary School in Klungkung, Bali, Indonesia', *WMJ (Warmadewa Medical Journal)*, 6(2), pp. 37–45. Available at: <https://doi.org/10.22225/wmj.6.2.4213.37-45>.
- BBPKH (2021) *Fenomena Pengendalian Infeksi Cacing Nematoda pada Kambing-Domba Problema dan Solusinya*, *BBPKH*. Available at: <https://bbpkhcinagara.com/site/detail-news-fenomena-pengendalian-infeksi-cacing-nematoda-pada-kambing-domba-problema-dan-solusinya> (Accessed: 1 April 2022).
- Benet, L.Z. (2013) 'The Role of BCS (Biopharmaceutics Classification System) and BDDCS (Biopharmaceutics Drug Disposition Classification System) in Drug Development', *Journal of pharmaceutical sciences*, 102(1), pp. 34–42. Available at: <https://doi.org/10.1002/jps.23359>.
- Bodana, P. *et al.* (2016) 'Enhance Bioavailability of Albendazole Drug by Mesoporous Material', *International Journal of Advanced Research (IJAR)*, 4(12), pp. 2518–2530. Available at: <https://doi.org/10.21474/IJAR01/2677>.
- BPOM RI (2015) *Albendazol / PIO Nas*. Available at: <https://pionas.pom.go.id/monografi/albendazol> (Accessed: 1 April 2022).
- Castro, L.S.E.P.W. *et al.* (2016) 'Albendazole as a promising molecule for tumor control', *Redox Biology*, 10, pp. 90–99. Available at: <https://doi.org/10.1016/j.redox.2016.09.013>.

- Cortés, H. *et al.* (2021) ‘Non-Ionic Surfactants for Stabilization of Polymeric Nanoparticles for Biomedical Uses’, *Materials*, 14(12), p. 3197. Available at: <https://doi.org/10.3390/ma14123197>.
- Dave, N. and Joshi, T. (2017) ‘A Concise Review on Surfactants and Its Significance’, *International Journal of Applied Chemistry*, 13, pp. 663–672.
- Dzakwan, M. (2020) ‘Formulasi dan Karakterisasi Nanosuspensi Morin dengan Metode Sonopresipitasi’, *Jurnal Ilmiah Farmasi Farmasyifa*, 3(2), pp. 121–131. Available at: <https://doi.org/10.29313/jiff.v3i2.6062>.
- Franco, P. and De Marco, I. (2020) ‘The Use of Poly (N-vinyl pyrrolidone) in the Delivery of Drugs: A Review’, *Polymers*, 12(5), p. 1114. Available at: <https://doi.org/10.3390/polym12051114>.
- Fülöp, V. *et al.* (2018) ‘Study on the dissolution improvement of albendazole using reconstitutable dry nanosuspension formulation’, *European Journal of Pharmaceutical Sciences*, 123, pp. 70–78. Available at: <https://doi.org/10.1016/j.ejps.2018.07.027>.
- Global Headquarters (2013) *PVP: Polyvinylpyrrolidone polymers*. Ashland: Ashland Inc.
- Hoda, M. *et al.* (2017) ‘Stabilizers influence drug–polymer interactions and physicochemical properties of disulfiram-loaded poly-lactide-co-glycolide nanoparticles’, *Future Science OA*, 4(2), p. FSO263. Available at: <https://doi.org/10.4155/fsoa-2017-0091>.
- Haupt, E.R. and Chaudhry, O. (2009) ‘Chapter 83- Protozoan and Helminthic Infections’, in S.A. Waldman *et al.* (eds) *Pharmacology and Therapeutics*. Philadelphia: W.B. Saunders, pp. 1171–1186. Available at: <https://doi.org/10.1016/B978-1-4160-3291-5.50087-1>.
- Jahangir, M. *et al.* (2020) ‘Nanocrystals: Characterization Overview, Applications in Drug Delivery, and Their Toxicity Concerns’, *Journal of Pharmaceutical Innovation* [Preprint]. Available at: <https://doi.org/10.1007/s12247-020-09499-1>.
- Jethara, S. *et al.* (2014) ‘Recent Survey on Nanosuspension: A Patent Overview’, *Recent patents on drug delivery & formulation*, 9. Available at: <https://doi.org/10.2174/1872211308666141028214003>.
- Juliantoni, Y., Hajrin, W. and Subaidah, W.A. (2020) ‘Nanoparticle Formula Optimization of Juwet Seeds Extract (*Syzygium cumini*) using Simplex Lattice Design Method’, *Jurnal Biologi Tropis*, 20(3), pp. 416–422. Available at: <https://doi.org/10.29303/jbt.v20i3.2124>.

- Kanakapura, B. (2014) 'Simple and rapid spectrophotometric assay of albendazole in pharmaceuticals using iodine and picric acid as CT complexing agents', *Brazilian Journal of Pharmaceutical Sciences*, 50, pp. 839–850. Available at: <https://doi.org/10.1590/S1984-82502014000400019>.
- Kementrian Kesehatan RI (2020) *Farmakope Indonesia*. VI. Jakarta: Kementrian Kesehatan RI.
- Koradia, D.K. and Parikh, H.R. (2012) 'Dissolution enhancement of albendazole through nanocrystal formulation', *Journal of Pharmacy & Bioallied Sciences*, 4(Suppl 1), pp. S62–S63. Available at: <https://doi.org/10.4103/0975-7406.94141>.
- Kurakula, M. and Rao, G.S.N.K. (2020) 'Pharmaceutical assessment of polyvinylpyrrolidone (PVP): As excipient from conventional to controlled delivery systems with a spotlight on COVID-19 inhibition', *Journal of Drug Delivery Science and Technology*, 60, p. 102046. Available at: <https://doi.org/10.1016/j.jddst.2020.102046>.
- Liang, Z. *et al.* (2022) 'Nanocrystal Suspensions for Enhancing the Oral Absorption of Albendazole', *Nanomaterials*, 12(17), p. 3032. Available at: <https://doi.org/10.3390/nano12173032>.
- Lu, Y. *et al.* (2018) 'Strategies to improve micelle stability for drug delivery', *Nano research*, 11(10), pp. 4985–4998. Available at: <https://doi.org/10.1007/s12274-018-2152-3>.
- Madkour, M., Bumajdad, A. and Al-Sagheer, F. (2019) 'To what extent do polymeric stabilizers affect nanoparticles characteristics?', *Advances in Colloid and Interface Science*, 270, pp. 38–53. Available at: <https://doi.org/10.1016/j.cis.2019.05.004>.
- Malik, K. and Dua, A. (2022) 'Albendazole', in *StatPearls*. Treasure Island (FL): StatPearls Publishing. Available at: <http://www.ncbi.nlm.nih.gov/books/NBK553082/> (Accessed: 30 January 2022).
- Mudalige, T. *et al.* (2019) 'Chapter 11 - Characterization of Nanomaterials: Tools and Challenges', in A. López Rubio *et al.* (eds) *Nanomaterials for Food Applications*. Elsevier (Micro and Nano Technologies), pp. 313–353. Available at: <https://doi.org/10.1016/B978-0-12-814130-4.00011-7>.
- Padhi, S. and Behera, A. (2022) 'Chapter 17 - Biosynthesis of Silver Nanoparticles: Synthesis, mechanism, and characterization', in K.A. Abd-Elsalam, R. Periakaruppan, and S. Rajeshkumar (eds) *Agri-Waste and Microbes for Production of Sustainable Nanomaterials*. Elsevier (Nanobiotechnology for

- Plant Protection), pp. 397–440. Available at: <https://doi.org/10.1016/B978-0-12-823575-1.00008-1>.
- Pakpayat, N. and Boonme, P. (2013) ‘Effects of Various Co-Surfactants and Oils on Microemulsion Formation in Decylglucoside System’, *Advanced Materials Research*, 747, pp. 653–656. Available at: <https://doi.org/10.4028/www.scientific.net/AMR.747.653>.
- Papich, M.G. and Martinez, M.N. (2015) ‘Applying Biopharmaceutical Classification System (BCS) Criteria to Predict Oral Absorption of Drugs in Dogs: Challenges and Pitfalls’, *The AAPS Journal*, 17(4), pp. 948–964. Available at: <https://doi.org/10.1208/s12248-015-9743-7>.
- Patel, V. and Agrawal, Y. (2011) ‘Nanosuspension: An approach to enhance solubility of drugs’, *Journal of advanced pharmaceutical technology & research*, 2, pp. 81–7. Available at: <https://doi.org/10.4103/2231-4040.82950>.
- Patel, V.S. *et al.* (2016) ‘Ascorbic Acid Attenuates Hyperoxia-Compromised Host Defense against Pulmonary Bacterial Infection’, *American Journal of Respiratory Cell and Molecular Biology*, 55(4), pp. 511–520. Available at: <https://doi.org/10.1165/rcmb.2015-03100C>.
- Peltonen, L. (2018) ‘Practical guidelines for the characterization and quality control of pure drug nanoparticles and nano-cocrystals in the pharmaceutical industry’, *Advanced Drug Delivery Reviews*, 131, pp. 101–115. Available at: <https://doi.org/10.1016/j.addr.2018.06.009>.
- Pramudhita, W.Y.P.A. and Hendriani, R. (2016) ‘Review: Teknik Peningkatan Kelarutan Obat’, *Farmaka*, 14(2), pp. 288–297. Available at: <https://doi.org/10.24198/jf.v14i2.10866>.
- Prasetyo, Y.A., Husni, P. and Mita, S.R. (2017) ‘Long-Circulating Nanopartikel Menggunakan Polimer PLGA (Poly-Lactic-co-Glycolic Acid) dan Poloxamer’, *Farmaka*, 15(1), pp. 237–247. Available at: <https://doi.org/10.24198/jf.v15i1.13322>.
- Rao, M.R.P. *et al.* (2021) ‘Nanosuspension coated multiparticulates for controlled delivery of albendazole’, *Drug Development and Industrial Pharmacy*, 47(3), pp. 367–376. Available at: <https://doi.org/10.1080/03639045.2021.1879830>.
- Rao, Y.M., Kumar, M.P. and Apte, S. (2008) ‘Formulation of Nanosuspensions of Albendazole for Oral Administration’, *Current Nanoscience*, 4(1), pp. 53–58.

- Ruman, U. *et al.* (2020) 'Nanocarrier-Based Therapeutics and Theranostics Drug Delivery Systems for Next Generation of Liver Cancer Nanodrug Modalities', *International Journal of Nanomedicine*, 15, pp. 1437–1456. Available at: <https://doi.org/10.2147/IJN.S236927>.
- Saini, J. and Kumar, S. (2018) 'Development of Nanocrystal Formulation with Improved Dissolution', *Journal of Drug Delivery and Therapeutics*, 8, pp. 118–129. Available at: <https://doi.org/10.22270/jddt.v8i5.1946>.
- Sakamoto, K. *et al.* (2017) *Cosmetic Science and Technology*. US: Elsevier. Available at: <https://www.sciencedirect.com/topics/chemistry/surfactant> (Accessed: 9 June 2022).
- Schramm, L., Stasiuk, E. and Marangoni, G. (2003) 'Surfactants and their Applications', *Annu. Rep. Prog. Chem., Sect. C: Phys. Chem.*, 99, pp. 3–48. Available at: <https://doi.org/10.1039/B208499F>.
- Shankar, S.J. *et al.* (2020) 'A review on the role of Nanocrystals and Nanosuspension in drug delivery systems', *International Journal of Applied Pharmaceutics*, 12, pp. 10–16. Available at: <https://doi.org/10.22159/ijap.2020v12i1.35508>.
- Shete, G. *et al.* (2014) 'Stabilizers used in nano-crystal based drug delivery systems', *J. Excipients and Food Chem.*, 5(4), pp. 184–209.
- Sjahfirdi, L. *et al.* (2015) 'Aplikasi Fourier Transform Infrared (FTIR) dan Pengamatan Pembengkakan Genital pada Spesies Primata, Lutung Jawa (*Trachypithecus auratus*) untuk Mendeteksi Masa Subur', *Jurnal Kedokteran Hewan - Indonesian Journal of Veterinary Sciences*, 9(2). Available at: <https://doi.org/10.21157/j.ked.hewan.v9i2.2837>.
- Sowjanya, M. *et al.* (2017) 'Polymers used in the Designing of Controlled Drug Delivery System', *Research Journal of Pharmacy and Technology*, 10, p. 903. Available at: <https://doi.org/10.5958/0974-360X.2017.00168.8>.
- Sugiyono (2017) *Metode Penelitian Kombinasi (Mixed Methods)*. Bandung: Alfabeta.
- Voronova, M. *et al.* (2018) 'Preparation and Characterization of Polyvinylpyrrolidone/Cellulose Nanocrystals Composites', *Nanomaterials*, 8(12), p. 1011. Available at: <https://doi.org/10.3390/nano8121011>.
- Wecker, L. (2019) *Brody's Human Pharmacology*. Sixth. Philadelphia: Elsevier.
- Wijayanto, S.O. and Bayuseno, A.P. (2014) 'Analisis Kegagalan Material Pipa Ferrule Nickel Alloy N06025 pada Waste Heat Boiler Akibat Suhu Tinggi Berdasarkan Pengujian: Mikrografi dan Kekerasan', *Jurnal Teknik Mesin S-1*, 2(1), pp. 33–39.

- Winokan, H.G. and Sopyan, I. (2019) 'Review: Karakteristik Disolusi Tablet Immediate Release dengan API BCS Kelas II Sebagai Biowaiver Serta Pendekatan untuk Meningkatkan Kelarutannya', *Farmaka*, 17(2), pp. 442–454. Available at: <https://doi.org/10.24198/jf.v17i2.22962>.
- Yadollahi, R., Vasilev, K. and Simovic, S. (2015) 'Nanosuspension Technologies for Delivery of Poorly Soluble Drugs', *Journal of Nanomaterials*, 2015, p. e216375. Available at: <https://doi.org/10.1155/2015/216375>.