

DAFTAR PUSTAKA

- Ahmed, A., dan Khan, F. (2013). Extraction of Starch from Taro (*Colocasia esculenta*) and Evaluating It and Further Using Taro Starch as Disintegrating Agent in Tablet Formulation with Over All Evaluation. *Inventi Rapid: Novel Excipients*. 2, 1-5.
- Ahuja, M., Kumar, A., Yadav, P., dan Singh, K. (2013). *Mimosa pudica* Seed Mucilage: Isolation; Characterization and Evaluation as Tablet Disintegrant and Binder. *International Journal of Biological Macromolecules*. 57, 105-110.
- Ainurofiq, A., dan Azizah, N. (2016). Perbandingan Penggunaan Bahan Penghancur Secara Intragrangular, Ekstragranular, dan Kombinasinya. *Journal of Pharmaceutical Science and Clinical Research*. 01, 1-9.
- Allen, L. V. dan Ansel, H. C. (2014). *Ansel's Pharmaceutical Dosage Forms and Drug Delivery Systems Tenth Edition*. Philadelphia: Wolters Kluwer Health.
- Amayreh, R., Bisharat, L., Cespi, M., Palimieri, G. F., dan Berardi, A. (2019). Evaluation of the Disintegration Action of Soy Polysaccharide by Image Analysis. *American Association of Pharmaceutical Scientists*. 20(7), 1-11.
- Aulton, M. E. dan Taylor, K. M. G. (2013). *Aulton's Pharmaceutics The Design and Manufacture of Medicines* (4th edition). Amsterdam, Netherlands: Churchill Livingstone Elsevier.
- Basu, N. G., Ghosal, P. K., dan Thakur, S. (1984). Structural Studies on a Polysaccharide Fraction from the Fruits of *Cordia dichotoma* Forst. *Carbohydrate Research*. 131, 139-155.
- Behnke, K., Sogaard, J., Martin, S., Bauml, J., Ravindran, A. V., dan Agren, H. (2003). Mitrazapine Orally Disintegrating Tablet Versus Sertraline: a Prospective Onset of Action Study. *J Clin Psychopharmacol*. 23(4), 358-364.
- Belet, M. H., dan Derle, D. V. (2008). Analysis of Patents Pertaining to Superdisintegrants Used in Tablet Manufacturing. *Journal of Intellectual Property Rights*. 13, 601-604.
- Bharawaj, S., Jain, V., Sharma, S., Jat, R. C., dan Jain, S. (2010). Orally Disintegrating Tablet: a Review. *Drug Invention Today*. 2(1), 81-88.
- Bouwman-Boer, Y., Fenton-May, V., dan Brun, P. L.. (2015). *Practical Pharmaceutics An International Guideline for The Preparation, Care and Use of Medical Product*. Switzerland: Springer International Publishing.
- Brummer, Y., Cui, W., dan Wang, Q. (2003). Extraction, Purification and Physicochemical Characterization of Fenugreek Gum. *Food Hydrocolloids*. 17, 229-236.
- Cerdeira, M. A., Pinheiro, A. C., Souza, B. W. S., Lima, A. M. P., Ribeiro, C., Miranda, C., Teixeira, J. A., Moreira, R. A., Coimbra, M. A., Goncalves, M. A., dan Vicente, A. A. (2009). Extraction, Purification, and Characterization of Galatomannans from Non-traditional Sources. *Carbohydrate Polymers*. 75, 408-414.

- Ciudad-Mulero, M., Fernández-Ruiz, V., Matallana-González, M. C., dan Morales, P. (2019). Dietary Fiber Sources and Human Benefits: The Case Study of Cereal and Pseudocereals. *Advances in Food and Nutrition Research*. 90, 83-134.
- Dey, P., dan Maiti, S. (2010). Orosoluble Tablets: a New Trend in Drug Delivery. *Journal of Natural Science, Biology and Medicine*. 1(1), 2-5.
- Divate, S., Kavitha, K. & Sockan, G. N. (2011). Fast Disintegrating Tablets - an Emerging Trend. *International Journal of Pharmaceutical Sciences Review and Research*. 6(2), 18-22.
- Eryani, M. C., Wikarsa, S., dan Soemirtapura, Y. C. (2014). Formulasi dan Evaluasi Fast Disintegrating Tablet (FDT) Loratadin. *Acta Pharmaceutica Indonesia*. 39, 26-32.
- Evans, W. C., dan Evans, D. (2009). Volatile Oils and Resins. *Trease and Evans' Pharmacognosy*. 263-303.
- Felton, L.A. (2013). *Remington Essentials of Pharmaceutics*. London: Pharmaceutical Press.
- Food and Drug Administration. (2008). *Guidance for Industry Orally Disintegrating Tablets*. U.S. Department of Health and Human Services: Center for Drug Evaluation and Research (CDER).
- Fu, Y., Yang, S., Jeong, S. H., Kimura, S., dan Park, K. (2004). Orally Fast Disintegrating Tablets: Developments Technologies, Taste-Making and Clinical Studies. *Critical ReviewTM in Therapeutic Drug Carrier Systems*. 21(6), 433-475.
- Hirani, J. J., Rathod, D., & Vadalia, K. (2009). Orally Disintegrating Tablets: a Review. *Tropical Journal of Pharmaceutical Research*. 8(2), 161-172.
- Holtekjølen, A. K., Uhlen, A. K., Bråthen, E., Sahlstrøm, S., dan Knutsen, S. H. (2006). Contents of Starch and Non-starch Polysaccharides in Barley Varieties of Different Origin. *Food Chemistry*. 94(3), 348–358.
- Huanbutta, K., dan Sittikijyothis, W. (2017). Development and Characterization of Seed Gums from *Tamarindus indica* and *Cassia fistula* as Disintegrating Agent for Fast Disintegrating Thai Cordial Tablet. *Asian Journal of Pharmaceutical Sciences*. 12, 370–377.
- Jaleel, O. W., Abdulrasool, A. A., dan Ghareeb, M. (2010). Preparation and Characterization of Orally Disintegrating Loratadine Tablets from PVP Solid Dispersions. *International Journal of Pharmaceutical Sciences*. 2(3), 759-770.
- Jamkhande, P. G., Barde, S. R., Patwekar, S. L., dan Tidke, P. S. (2013). Plant Profile, Phytochemistry and Pharmacology of *Cordia dichotoma* (Indian Cherry): a Review. *Asian Pacific Journal of Tropical Biomedicine*. 3(12), 1009-1016.
- Jia, X., Chen, M., Wan, J., Su, H., dan He, C. (2015). Review on the Extraction, Characterization and Application of Soybean Polysaccharide. *RSC Adv.* 5, 73525–73534.
- Jiang, J. X., Zhu, L. W., Zhang, W. M., dan Sun, R. C. (2007). Characterization of Galactomannan Gum from Fenugreek (*Trigonella foenum-graecum*) Seeds

- and Its Rheological Properties. *International Journal of Polymeric Materials and Polymeric Biomaterials.* 56(12), 1145-1154.
- Joshi, U. M., dan Biyani, K. R. (2015). Extraction of a Novel Seed Gum from *Cassia tora* Seeds and Its Characterization. *International Journal of Pharmacy and Pharmaceutical Research.* 4(1), 243-251.
- Kalidindi, S. R., dan Shangraw, R. F. (1982) Evaluation of Soy Polysaccharide as a Disintegrating Agent Part I: Direct Compression. *Drug Development and Industrial Pharmacy.* 8(2), 215-235.
- Kang, M., Rico, C., dan Lee, S. (2010). Physicochemical Properties of Eight Popular Glutinous Rice Varieties in Korea. *Plant Production Science.* 13(2), 177-184.
- Kementerian Kesehatan Republik Indonesia. (2014). *Farmakope Indonesia Edisi Kelima.* Jakarta: Departemen Kesehatan Republik Indonesia.
- Kennedy, J. F. (1979). Structural Data for The Carbohydrate of Ispaghula Husk ex *Plantago ovata* Forsk. *Carbohydrate Research,* 75, 265-274.
- Khairnar, D. A., Anantwar, S. P., Chaudhari, C. S., dan Shelke, P. A. (2014). Superdisintegrants: an Emerging Paradigm in Orodispersible Tablets. *International Journal of Biopharmaceutics.* 5(2): 119-128.
- Khinchi, M. P., Gupta, M. K., Bhandari, A., Agarwal, D., dan Sharma, N. (2011). Studies on The Disintegrant Properties of Seed Powder, Husk Powder and Mucilage of *Plantago ovata* by Formulation of Orally Disintegrating Tablet. *International Journal of Pharmaceutical Sciences and Research.* 2(1), 145-152.
- Koizumi, K., Watanabe, Y., Morita, K., Utoguchi, N., dan Matsumoto, M. (1997). New Method of Preparing High-porosity Rapidly Saliva Soluble Compressed Tablets Using Mannitol With Camphor, A Subliming Material. *International Journal of Pharmaceutics.* 152(1), 127-131.
- Konapure, S. A., Chaudhari, P. S., Oswal, R. J., Kshirsagar, S. S., Antre, R. V., dan Chorage, T. V. (2011). "Mouth Dissolving Tablets" an Innovative Technology. *International Journal of Applied Biology and Pharmaceutical Technology.* 2(1), 496-503.
- Kumar, M, U., dan Babu, M, K. (2014). Design and Evaluation of Fast Dissolving Tablets Containing Diclofenac Sodium Using Fenugreek Gum as a Natural Superdisintegrant. *Asian Pacific Journal of Tropical Biomedicine.* 4(1), S329-S334.
- Kunle, O. O. (2019). Starch Source and Its Impact on Pharmaceutical Applications. *Chemical Properties of Starch, Martins Emeje, IntechOpen.*
- Laili, N., Komala, A. M., Maulida, H., dan Suprapto. (2017). Optimasi Konsentrasi Amylum Sagu (*Metroxylon rumphii*) sebagai Co-Processed pada Pembuatan Tablet Teofilin. *Pharmacon: Jurnal Farmasi Indonesia.* 14(2), 72-80.
- Lu, T., Lin, J., Chen, J., dan Chang, Y. (2008). Characteristics of Taro (*Colocasia esculenta*) Starches Planted in Different Seasons and Their Relations to the Molecular Structure of Starch. *Journal Agricultural of Food Chemistry.* 56, 2208–2215.

- Lubis, M., Harahap, M. B., Manullang, A., Alfarodo, Ginting, M. H. S., dan Sartika, M. (2017). Utilization Starch of Jackfruit Seed (*Artocarpus heterophyllus*) as Raw Material for Bioplastics Manufacturing Using Sorbitol as Plasticizer and Chitosan as Filler. *Journal of Physics: Conference Series*.
- Madruga, M. S., De Albuquerque, F. S. M., Silva, I. R. A., Do Amaral, D. S., Magnani, M., dan Neto, V. Q. (2014). Chemical, Morphological and Functional Properties of Brazilian Jackfruit (*Artocarpus heterophyllus L.*) Seeds Starch. *Food Chemistry*. 143, 440-445.
- Maeda, H., dan Nakamura, A. (2009). Soluble Soybean Polysaccharide. *Handbook of Hydrocolloids*. 693–709.
- Malik, K., Arora, G., Singh, I., dan Arora, S. (2011). *Lallemandia reylenne* Seeds as Superdisintegrant: Formulation and Evaluation of Nimesulide Orosoluble Tablets. *International Journal of Pharmaceutical Investigation*. 1(3), 192-198.
- Mohanachandran, P. S., Sindhumol, P. G., dan Kiran, T. S. (2011). Review Article Superdisintegrants: an Overview. *International Journal of Pharmaceutical Sciences Review and Research*. 6(1), 105–109.
- Narke, R. M., Kaspate, D. S., Kulkarni, G. S., dan Chintamani, R. B. (2014). Superdisintegration: a Review Update and Application. *Asian Journal of Pharmaceutical Research and Development*. 2(4), 90-100.
- Nuraini, D.N. (2011). *Aneka Manfaat Biji-bijian*. Sidoarjo: Penerbit Gava Media.
- Nurmila, Arisandy, D. A., dan Harmoko. (2011). Pemanfaatan Limbah Biji Nangka (*Artocarpus heterophyllus*) sebagai Bahan Baku Pembuatan Minuman dan Uji Organoleptiknya. *Progam Studi Pendidikan Biologi, STKIP-PGRI Lubuklinggau*. 1–6.
- Omidian, H., dan Park, K. (2008). Swelling Agents and Devices in Oral Drug Delivery. *Journal of Drug Delivery Science and Technology*. 18(2), 83-93.
- Pachuau, L., Dutta, R. S., Devi, T. B., Deka, D., dan Hauzel, L. (2018). Taro Starch (*Colocasia esculenta*) and Citric Acid Modified Taro Starch as Tablet Disintegrating Agents. *International Journal of Biological Macromolecules*. 118, 397-405.
- Pachuau, L., Dutta, R. S., Roy, P. K., Kalita, P., dan Lahcenmawi, H. (2016). Physicochemical and Disintegrant Properties of Glutinous Rice Starch of Mizoram, India. *International Journal of Biological Macromolecules*. 95, 1298–1304.
- Pahwa, R., dan Gupta, N. (2011). Superdisintegrants In The Development of Fast Disintegrating Tablets: a Review. *International Journal of Pharmaceutical Sciences and Research*. 2(11), 2767-2780.
- Pandey, P., dan Dahiya, M. (2016). Oral Disintegrating Tablets: a Review. *International Journal of Pharma Research & Review*. 5(1):50-62.
- Parkash, V., Maan, S., Deepika, Yadav, S. K., Hemlata, dan Jogpal, V. (2011). Fast Disintegrating Tablets: Opportunity in Drug Delivery System. *Journal of Advanced Pharmaceutical Technology & Research*. 2(4), 223-235.
- Pawar, H. A., Choudhary, P. D., dan Gavasene, A. J. (2016). Orally Disintegrating Tablet Using *Colocasia esculenta* Tuber Polysaccharide as a Disintegrant

- and its Comparision with Commercially Available Superdisintegrants. *Current Drug Therapy*. 11, 115-128.
- Pawar, H. A., dan D'mello, P. M. (2011). Spectrophotometric Estimation of Total Polysaccharides in *Cassia tora* Gum. *Journal of Applied Pharmaceutical Science*. 01(03), 93-95.
- Pawar, H. A., Gavasane, A. J., dan Choudhary, P. D. (2018). Extraction of Polysaccharide from Fruits of *Cordia dichotoma* G. Forst Using Acid Precipitation Method and Its Physicochemical Characterization. *International Journal of Biological Macromolecules*. 115, 871-875.
- Pawar, H. A., dan Jadhav, P. (2015). Isolation, Characterization and Investigation of *Cordia dichotoma* Fruit Polysaccharide as a Herbal Excipient. *International Journal of Biological Macromolecules*. 72, 1228–1236.
- Pawar, H., dan Varkhade, C. (2014). Isolation, Characterization and Investigation of *Plantago ovata* Husk Polysaccharide as Superdisintegrant. *International Journal of Biological Macromolecules*. 69, 52-58.
- Pawar, H., Varkhade, C., Jadhav, P., dan Mehra, K. (2014). Development and Evaluation of Orodispersible Tablets Using a Natural Polysaccharide Isolated from *Cassia tora* Seeds. *Integrative Medicine Research*. 3, 91-98.
- Qin, Y., Liu, C., Jiang, S., Cao, J., Xiong, L., dan Sun, Q. (2016). Functional Properties of Glutinous Rice Flour by Dry-Heat Treatment. *PLOS ONE*. 11(8), 1-16.
- Rai, P. R., Tiwary, A. K., dan Rana, V. (2012). Superior Disintegrating Properties of Calcium Cross-linked *Cassia fistula* Gum Derivatives for Fast Dissolving Tablets. *Carbohydrate Polymers*. 87, 1098-1104.
- Rajpurohit, H., Sharma, P., Sharma, S., Purohit, S., dan Bhandari, A. (2011). *Hordeum vulgare* Hull in the Design of Fast Disintegrating Tablets. *Journal of Young Pharmacists*. 3(3), 211-215.
- Rashid, F., Hussain, S., dan Ahmed, Z. (2018). Extraction Purification and Characterization of Galactomannan from Fenugreek for Industrial Utilization. *Carbohydrate Polymers*. 180, 88-95.
- Rasoul, S. A. E., dan Shazly, G. A. (2017). Propafenone HCl Fast Dissolving Tablets Containing Subliming Agent Prepared by Direct Compression Method. *Saudi Pharmaceutical Journal*. 25, 1086–1092.
- Rasyid, I., Soegih, R., dan Harbuwono, D. S. (2014). Pengaruh Suplementasi Serat Psyllium Husk dan Diet Rendah Kalori Seimbang Terhadap Berat Badan, Kadar Kolesterol High-density Lipoprotein, dan Trigliserida Serum Pada Obes I. *Jurnal Gizi Klinik Indonesia*. 11(4), 1-11.
- Sadeghi, M., Hemmati, S., dan Hamishehkar, H. (2015). Synthesis of a Novel Superdisintegrant by Starch Derivatization With Polysuccinimide and Its Application for the Development of Ondansetron Fast Dissolving Tablet. *Drug Development and Industrial Pharmacy*. 42(5), 1-7.
- Sadeghi, M., Hemmati, S., Salehi, R., Solhi, M., Ghorbani, M., dan Hamishehkar, H. (2019). Leucine-grafted Starch as a New Superdisintegrant for the Formulation of Domperidone Tablets. *Journal of Drug Delivery Science and Technology*. 50, 136–144.

- Salarbashi, D., Bazeli, J., dan Fahmideh-Rad, E. (2019). Fenugreek Seed Gum: Biological Properties, Chemical Modifications, and Structural Analysis – a Review. *International Journal of Biological Macromolecules*. 138, 386–393.
- Sarfraz, R. M., Khan, H., Maheen, S., Azfal, S., Akram, M. R., Mahmood, A., Azfal, K., Abrar, M. A., Akram, M. A., Andaleeb, M., Haider, I., Abbas, K., Yasmeen, T. (2017). *Plantago ovata*: a Comprehensive Review on Cultivation, Biochemical, Pharmaceutical and Pharmacological Aspects. *Acta Poloniae Pharmaceutica - Drug Research*. 74(3), 739-746.
- Sastry, S. V., Nyshadham, J. R., dan Fix, J. A. (2000). Recent Technological Advances in Oral Drug Delivery – a Review. *Pharmaceutical Science & Technology Today*. 3(4), 138-145.
- Sharma, B. J., Kumar, V., dan Soni, P. L. (2003). Carbamoylethylation of *Cassia tora* gum. *Carbohydrate Polymers*. 54, 143-147.
- Sharma, B. J., Kumar, V., Soni, P. L., dan Sharma, P. (2003) Carboxymethylation of *Cassia tora* gum. *Journal of Applied Polymer Science*. (89), 3216–3219.
- Sharma, V., Philip, A. K., dan Pathak, K. (2007). Modified Polysaccharides as Fast Disintegrating Excipients for Orodispersible Tablets of Roxithromycin. *AAPS PharmSciTech*. 9(1), 87-94.
- Sikka, S. C., dan Bartolome, A. R. (2018). Perfumery, Essential Oils, and Household Chemicals Affecting Reproductive and Sexual Health. *Bioenvironmental Issues Affecting Men's Reproductive and Sexual Health*, 36, 557-569.
- Singh, K., Kumar, A., Langyan, N., dan Ahuja, M. (2009). Evaluation of *Mimosa pudica* Seed Mucilage as Sustained-Release Excipient. *AAPS PharmSciTech*. 10(4), 1121-1127.
- Sittikijyothin, W., Khumduang, K., Khounvilay, K., dan Mongkholtattanasit, R. (2019). Physicochemical Characterization of Seed Gum from *Cassia Fistula*. *Key Engineering Materials*. 818, 12-15.
- Srivastava, M., dan Kapoor, V. P. (2005). Seed Galactomannans: an Overview. *Chemistry and Biodiversity*. 2, 295-317.
- Suryadevara, V., Lankapalli, S, R., Danda, L, H., Pendyala, V., dan Katta, V. (2017). Studies on Jackfruit Seed Starch as a Novel Natural Superdisintegrant for the Design and Evaluation of Irbesartan Fast Dissolving Tablets. *Integrative Medicine Research*. 6(3), 280–291.
- Syamsuni, H.A. (2006). *Ilmu Resep*. Jakarta: Penerbit Buku Kedokteran ECG.
- Vimal, V. V., Aarathi, T. S., Anuja, dan John, S. B. (2013). Superdisintegrants in Fast Disintegrating Drug Delivery Systems: a Brief Review. *International Journal of Pharmacy*. 3(2), 380-385.
- Wani, A. A., Singh, P., Shah, M. A., Schweiggert-Weisz, U., Gul, K., dan Wani, I. A. (2011). Rice Starch Diversity: Effects on Structural, Morphological, Thermal, and Physicochemical Properties – a Review. *Comprehensive Reviews in Food Science and Food Safety*. 11, 417-436.
- Wulan, A. (2017). Formulasi *Fast Disintegrating Tablets* Kompleks Inklusi Ketoprofen dalam β -Siklodekstrin dengan Kombinasi *Superdisintegrant*

- Crospovidone CLM dan Sodium Starch Glycolate.* Surakarta: Skripsi Fakultas Farmasi Universitas Setia Budi.
- Xie, X., dan Liu, Q. (2004). Development and Physicochemical Characterization of New Resistant Citrate Starch from Different Corn Starches. *Starch/Stärke*. 56, 364–370.
- Zeng, F., Liu, H., dan Liu, G. (2014). Physicochemical Properties of Starch Extracted from *Colocasia esculenta* (L.) Schott (Bun-long Taro) Grown in Hunan, China. *Starch/Stärke*. 66, 142–148.
- Ziemichód, A., Wójcik, M., dan Różyło, R. (2018). Seeds of *Plantago psyllium* and *Plantago ovata*: Mineral Composition, Grinding, and Use for Gluten-free Bread as Substitutes for Hydrocolloids. *Journal of Food Process Engineering*. 42(1), 1-9.