



## DAFTAR PUSTAKA

- Abay, F.B., Ugurlu, T., 2015, Orally Disintegrating Tablets: A Short Review, *J Pharm Drug Devel*, 3(3): 303. DOI: 10.15744/2348-9782.3.303.
- Abdorreza, Mohammadi N., Cheng, L.H., dan Karim, A.A., 2011, Effects of Plasticizers on Thermal Properties and Heat Sealability of Sago Starch Films, *Food Hydrocolloids*, 25: 56-60.
- Anggraeni W., Purnamasari, N., Alatas F., Ratih H., Fitri, Rachmadian A., 2023, Pengaruh Penambahan Crospovidone Dalam Pembuatan Tablet Orally Disintegrating Tablet Loratadin Secara Granulasi Basah dan Kempa Langsung, *Pharmacoscript*, Volume 6, No. 1, 103-115.
- Ansel H.C., 2014, *Bentuk Sediaan Farmasetis dan Sistem Penghantaran Obat*, Edisi 9, Afifah, H.& Ningsih, T., Penerbit Buku Kedokteran EGC.
- Aulton, M., dan Summers M., 2013, *Tablet and Compaction. In: Pharmaceutics The Science of Dosage Form Design*, 4<sup>th</sup>, Philadelphia: Churchill Livingstone, 397- 439.
- Awaluddin, R., Prasetya, A.W., Nugraha, Y., Suweleh, M.F., Kusuma, A.P., dan Indrati, O., 2017, Physical modification and characterization of starch using pregelatinization and co-process of various tubers from Yogyakarta as an excipient, *AIP Conference Proceedings*, Vol. 1823, DOI: 10.1063/1.4978184.
- Babu, S.S., A. Ajay K., R. Suman D., 2013, Co-Processed Excipients: A Review, *International Journal of Current Trends in Pharmaceutical Research*, 1(3): 205-214.
- Begum N dan Rani U.G., 2014, Overview of coprocessed excipients used to improve tabletting performance, *Journal of Advanced Drug Delivery*, 1: 1-3.
- Bestari, Angi N., Hidayatullah, R., Sulaiman, Teuku N.S., 2016, Pembuatan Amilum Sagu (*Metroxylon sagu*, Rottb.) Pregelatin dan Material Komposit Sebagai Filler-Binder Sediaan Tablet, *Prosiding Rakernas dan Pertemuan Ilmiah Tahunan Ikatan Apoteker Indonesia*, e-ISSN : 2541-0474.
- Bhatia, V., Dhingra, A., Chopra, B., Guarve, K., 2022, Co-processed excipients: Recent advances and future perspective, *Journal of Drug Delivery Science and Technology*, Volume 71, 103316, ISSN 1773-2247, DOI: 10.1016/j.jddst.2022.103316.
- Bin, L. K., Gaurav, A., dan Mandal, U. K., 2019, A Review on Co-Processed Excipients: Current and Future Trend of Excipient Technology, *Int J Pharm Pharm Sci.*, 11 (1): 1-9.
- Bunaciu, A. A., & Aboul-Enein, H. Y., 2020, Adulterated drug analysis using FTIR spectroscopy, *Applied Spectroscopy Reviews*, 1–15. doi:10.1080/05704928.2020.1811717
- Burhanan, Anggie, 2017, Optimasi Material Co-Proccesed Amilum Sagu-PVP K30 Sebagai Filler-Binder Pada Sediaan Tablet Asetosal, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Chowdary, K.P.R., Ramya, K., 2013, Recent research on co-processed excipients for direct compression - A Review, *Pharmacie Globale (IJCP)*, 02: 1-4.
- Chamsai, B, dan Sriamornsak, P., 2013, Novel Disintegrating Microcrystalline Cellulose Pellets with Improved Drug Dissolution Performance, *Powder Technology*, 233: 278-85



- Coma, Véronique., 2012, Polysaccharide-based Biomaterials with Antimicrobial and Antioxidant Properties, *Polímeros*, 23, DOI: 10.4322/polimeros020ov002.
- Démuth, B., Fülöp, G., Kovács, M., Madarász, L., Ficzere, M., Köte, Á., Szabó, B., Nagy, B., Balogh, A., Csorba, K., Kaszás, G., Nagy, T., Bódis, A., Marosi, G., Nagy, Z.K., 2020, Continuous manufacturing of homogeneous ultralow-dose granules by twin-screw wet granulation Period, *Polytech. Chem. Eng.*, 64, pp. 391-400, DOI:10.3311/PPch.14972.
- Departemen Kesehatan RI, 2014, *Farmakope Indonesia Edisi V*, Departemen Kesehatan RI, Jakarta.
- Dhakal, B., Thakur, J. K., Mahato, R. K., Rawat, I., Rabin, D. C., Chhetri, R. R., Shah, K. P., Adhikari, A., & Pandey, J., 2022, Formulation of Ebastine Fast-Disintegrating Tablet Using Coprocessed Superdisintegrants and Evaluation of Quality Control Parameters, *The Scientific World Journal*, 9618344, DOI:10.1155/2022/9618344.
- European Pharmacopoeia, 2014, *European Pharmacopoeia*, 8th ed., Council of Europe, Strasbourg.
- European Pharmacopoeia, 2019, *European Pharmacopoeia*, 10th ed., Council of Europe, Strasbourg.
- Farahiyah, D., dan Sulaiman, T.N. Saifullah., 2020, Pengaruh kombinasi *Superdisintegrant Crospovidone* dan *Croscarmellose Sodium* pada sifat fisik dan dissolusi *Fast Disintegrating Tablet* Hidroklorotiazid, *Majalah Farmaseutik*, Vol. 17 No. 1: 140-148.
- Franc, A., Vetchý, D., Vodáčková, P., Kubáľák, R., Jendryková, L., dan Goněc, R, 2018, Co-processed excipients for direct compression of tablets. Společně zpracované pomocné látky pro přímé lisování tablet, *Ceska a Slovenska farmacie: casopis Ceske farmaceuticke spolecnosti a Slovenske farmaceuticke spolecnosti*, 67(5-6), 175–181.
- Fudholi, Achmad., Marchaban, Saifullah, T.N., Martien, R., Kuswahyuning, R., Bestari, AN., 2016, *Seri Buku Petunjuk Praktikum Teknologi Farmasi: Formulasi dan Teknologi Sediaan Padat*, Fakultas Farmasi UGM, Yogyakarta.
- Fülöp, G., Domokos, A., Galata, D., Szabó, E., Gyürkés, M., Szabó, B., Farkas, A., Madarász, L., Démuth, B., Lendér, T., Nagy, T., Kovács-Kiss, D., Van der Gucht, F., Marosi, G., Nagy, Z.K., 2021, Integrated twin-screw wet granulation, continuous vibrational fluid drying and milling: a fully continuous powder to granule line, *Int. J. Pharm.*, 594, DOI: 10.1016/j.ijpharm.2020.120126.
- Gad, S.C., 2007, *Pharmaceutical Manufacturing Handbook: Production and Processes*, DOI: 10.1002/9780470259818.
- Gohel, M.C., dan Jogani, P.D., 2005, A Review of Co-processed Directly Compressible Excipient, *J Pharm Pharmaceut Sci.*, 8(1). 1-23.
- Gosar, A., Shaikh, T., dan Sindwani, A., 2022, Fourier Transform Infrared (FTIR) Spectroscopic Analysis of Amino Acid Serine for its Chiral Identification, *Journal of Pharmaceutical Quality Assurance and Quality Control*, 4, DOI: 10.46610/JQAQC.2022.v04i01.001.
- Gupta, S. P., 2019, Formulation And Evaluation Of Oral Dispersible Tablets Of Loratadine By Direct Compression Method, *World Journal Of Pharmacy And Pharmaceutical Sciences*, 8(4), 1352–1370, DOI:10.20959/wjpps20194-13395



- Hadioewignyo, L., Setiawan, Henry K., Kusuma, Aprilia A.I., Griselda, G., Muallim, Albert P.U., Triantoro, S., Naur, Carolina MS., 2016, Formulasi Orally Disintegrating Tablet dengan Teknik Likuisolid dan Bahan Ko-Proses, *Prosiding Rakernas dan Pertemuan Ilmiah Tahunan Ikatan Apoteker Indonesia 2016*, ISSN : 2528-147X.
- Hasibuan, Machrani., 2009, *Pembuatan Film Layak Makan dari Pati Sagu Menggunakan Bahan Pengisi Serbuk Batang Sagu dan Gliserol Sebagai Plastisiser*, Universitas Sumatera Utara, Medan.
- Heng, P.W.S., dan Chan, L.W., 2005, Drug Substance and Excipients Characterization, dalam Parikh, D.M., (Ed), *Handbook of Pharmaceutical Granulation Technology*, 2nd Ed, 79-80, Taylor & Francis Group, Boca Raton.
- Katsuno, E., Tahara, K., Takeuchi, Y., Takeuchi, H., 2013, Orally disintegrating tablets prepared by a co-processed mixture of micronized crospovidone and mannitol using a ball mill to improve compactibility and tablet stability, *Powder Technology*, 241: 60-66.
- Kibbe, A.H., 2009, Starch, Pregelatinized, In: Rowe, R.C., Sheskey, P.J. and Quinn M.E. (eds.), *Handbook of Pharmaceutical Excipients*, 6th Edition, Minneapolis, Pharmaceutical Press, 691-694.
- Kumar, R. S., dan Devi, M. G., 2022, A review article on fast dissolving tablets. *International Journal of Health Sciences*, 6(S2), 13684–13698. DOI:10.53730/ijhs.v6nS2.8960.
- Laili, N., Komala, Annisa' M., Maulida, H., Suprapto, 2017, Optimasi Konsentrasi Amylum Sagu (*Metroxylon rumphii*) sebagai Co-Processed pada Pembuatan Tablet Teofilin, *Pharmacon: Jurnal Farmasi Indonesia*, 14(2): 72-80.
- Lannie, H. dan Achmad F., 2013, *Sediaan Solida*, Pustaka Belajar, Yogyakarta.
- Main, A., B. A. Bhairav, R. B. Saudager, 2017, Co Processed Excipients for Tabletting: Review Article, *Research J. Pharm. and Tech*, 10(7): 2427-2432. DOI: 10.5958/0974-360X.2017.00429.2.
- Mariyana, K.A., Arisanti, C.I.S., Setyawan, E.I., 2012, Pengaruh Konsentrasi Amilum Jagung Pregelatinasi Sebagai Bahan Penghancur Terhadap Sifat Fisik Tablet Vitamin E, *Jurnal Farmasi Udayana*, 1(1), 39-49.
- Marwaha, M., Mawaha, K.R., Sandhu, Deepak, 2010, Co-processing of excipients: A review on excipient development for improved tabletting performance, *International Journal of Applied Pharmaceutics*, 2: 41-47.
- Moqbel, H.A., ElMeshad, A. N. dan El-Nabarawi, M. A., 2016, A Pharmaceutical Study on Chlorzoxazone Orodispersible Tablets: Formulation, In-vitro and In-vivo evaluation, *Drug Delivery*, Vol. 23, No. 8, pp. 2998–3007.
- Mohana M., Vijayalakshmi S., 2022, Development and Characterization of Solid Dispersion-Based Orodispersible Tablets of Cilnidipine, *Beni-Suef University Journal of Basic and Applied Sciences*, 11(1):1–12, DOI: 10.1186/s43088-022-00259-3.
- Murtini, G., Elisa, Y., 2018, *Teknologi Sediaan Solid*, Kementerian Kesehatan Republik Indonesia, Badan Pengembangan dan Pemberdayaan Sumber Daya Manusia Kesehatan, Jakarta.
- Nagar, P., Singh, K., Chauhan, I., Verma, M., Yasir, M., Khan, A., Sharma, R., Gupta, N., 2011, Orally disintegrating tablets : formulation, preparation techniques and evaluation, *Journal of Applied Pharmaceutical Science*, 01 (04): 35-45.



- Nasution, A. S., 2017, *Formulasi Orally Disintegrating Tablet Ibuprofen Menggunakan Bahan Pengisi Kombinasi Manitol Dan Maltodekstrin*, Universitas Sumatera Utara.
- Newman, A.W., Reutzel-Edens, S.M., Zografi, G., 2008, Characterization of the “hygroscopic” properties of active pharmaceutical ingredients, *J Pharm Sci*, 97:1047–1059, DOI: 10.1002/jps.21033.
- Ohrem H.L., Schornick E., Kalivoda A., Ognibene R., 2014, Why is mannitol becoming more and more popular as a pharmaceutical excipient in solid dosage forms?, *Pharm. Dev. Technol*, 3: 257–262.
- Onuki, Y., Sugiura, D., Kumada, S., Kobayashi, R., Nakamura, T., Kogawa, T., Sakai, H., Okada, K., 2022, The Molded Tablet, a disintegrant-free orally disintegrating tablet, resists thickening solution-reduced drug dissolution, *Journal of Drug Delivery Science and Technology*, Volume 69, 103179, ISSN 1773-2247, DOI: 10.1016/j.jddst.2022.103179.
- Panigrahi, R. dan Behera, S., 2010, A Review of Fast Dissolving Tablets, *Web-med Central*, 1(9): 117.
- Rohmani, Sholichah dan Rosyanti, Hilda, 2019, Perbedaan Metode Penambahan Bahan Penghancur secara Intragranular Ekstragranular terhadap Sifat Fisik serta Profil Disolusi Tablet Ibuprofen, *Journal of Pharmaceutical Science and Clinical Research*, pp. 95 – 108, DOI: 10.20961/jpsc.v4i2.33622.
- Rojek, B., & Wesolowski, M., 2018, FTIR and TG analyses coupled with factor analysis in a compatibility study of acetazolamide with excipients, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, DOI:10.1016/j.saa.2018.10.020.
- Rowe, R. C., Sheskey, P. J., dan Quinn, M. E., 2009, *Handbook of Pharmaceutical Excipients*, Sixth Edition, Pharmaceutical Press., London.
- Roy A., Sharma A., Yadav S., Jule L. T., Krishnaraj R., 2021, Nanomaterials for remediation of environmental pollutants, *Bioinorganic Chemistry and Applications*, DOI:10.1155/2021/1764647.
- Sabawi, D., Abbasi, S., Alja’fari, S., and Hamdan, I., 2013, Pharmaceutical Evaluation of Glibenclamide Products Available in the Jordanian Market, *African Journal of Pharmacy and Pharmacology*, Vol 7 (22). Pp 1464-1470.
- Salyan, S. dan Suresh, S., 2018, Multi-walled Carbon Nanotube Laden with D-Mannitol as Phase Change Material: Characterization and Experimental Investigation, *Advanced Powder Technology*, DOI:10.1016/j.apt.2018.08.021.
- Santl, S., Ilic, I., Vreker, F., Baumgartner, S.A., 2011, Compressibility and compactibility study of real tableting mixtures: The impact of wet and dry granulation versus a direct tableting mixture, *Int J Pharm*, 414:131–139.
- Sari, Kadek L.K., Prasetya, I.G.N. Jemmy A., Arisanti, Cok I.S.,2012, Pengaruh Rasio Amilum:air Dan Suhu Pemanasan Terhadap Sifat Fisik Amilum Singkong Pregelatin Yang Ditujukan Sebagai Eksipien Tablet, *Jurnal Farmasi Udayana*, vol. 1, no. 1.
- Sari, S.P., Bestari, A.N., dan Sulaiman, T.N.S., 2019, Optimasi Formula Tablet Floating Famotidin Menggunakan Kombinasi Matriks Gum Xanthan dan Hidroksi Propil Metil Selulosa K100M, *Majalah Farmaseutik*, 15: 86.
- Setyono, Bambang dan Purnawiranita, F. A., 2021, Analysis of Flow Characteristics and Paracetamol Tablet Hardness Using 2D Double Mixer of Design



- Drum Type with Rotation and Mixing Time Variations, *Journal of Mechanical Engineering, Science, and Innovation*, Vol. 1, No. 2, DOI: 10.31284/j.jmesi.2021.v1i2.2282.
- Shah, Rakhi & Tawakkul, Mobin, dan Khan, Mansoor, 2008, Comparative Evaluation of Flow for Pharmaceutical Powders and Granules, *AAPS PharmSciTech*, 9, 250-8, DOI: 10.1208/s12249-008-9046-8.
- Singhal, R. S., Kennedy, John F., Gopalakrishnan, Sajilata M., Kaczmarek, A., Knill, Charles J., Akmar, Putri F., 2008, Industrial Production, Processing, and Utilization of Sago Palm Derived Products, *Charbohydrate Polymers*, 72:1-20.
- Siregar, C.J.P., dan Wikarsa, S., 2010, *Teknologi Farmasi Sediaan Tablet Dasar-Dasar Praktis*, Penerbit Buku Kedokteran EGC, Jakarta.
- Soebagio, B., Sriwododo, Adhika A. S., 2009., *Uji Sifat Fisikokimia Pati Biji Durian (Durio Zibethinus Murr) Alami Dan Modifikasi Secara Hidrolisis Asam*, Universitas Padjajaran, Bandung.
- Sukandar, E.Y., Andrajati, R., Joseph, S., Andyana,K., Setiadi. A.P., Kusnandar, 2008, ISO Farmakoterapi, PT ISFI Penerbitan, Jakarta.
- Sulaiman, T. N. S., 2007, *Teknologi dan Formulasi Sediaan Tablet*, Cetakan I, Pustaka Laboratorium Teknologi Farmasi Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta, 20-21.
- U.S. Department of Health and Human Services Food and Drug Administration Center for Drug Evaluation and Research (CDER), 2008, *Guidance for Industry Orally Disintegrating Tablet*.
- U.S. Pharmacopeia, 2014, *The United States Pharmacopeia*, USP 37/The National Formulary, NF 32, MD: U.S. Pharmacopeial Convention, Inc., Rockville.
- U.S. Pharmacopeia, 2018, *The United States Pharmacopeia*, USP 41/The National Formulary, NF 36, MD: U.S. Pharmacopeial Convention, Inc., Rockville.
- Utomo, M Tri S., Prabakusuma, Adhitia S., 2009, Formulasi Pembuatan Tablet Hisap Berbahan Dasar Mikroalga Spirulina platensis Sebagai Antioksidan Alami, *J. Sains MIPA*, 15(3):167-176.
- Wahyuningsih, E., dan Dessidianti, R., 2022, Aplikasi FT-IR ATR Spektroskopi untuk Identifikasi Parasetamol pada Jamu Sediaan Serbuk, *Camelia Vol. 1 No. 2*, 56-60.
- Wishart, D. S., Feunang, Y. D., Guo, A. C., Lo, E. J., Marcu, A., Grant, J. R., Wilson, M., 2018, DrugBank 5.0: A major update to the DrugBank database for 2018, *Nucleic Acids Research*, DOI: 10.1093/nar/gkx1037.
- Wong, C.W., Muhammad, S.K.S., Dzulkifly, M.H., Saari, N., dan Ghazali, H.M., 2007, Enzymatic Production of Linear Long Chain Dextrin from Sago (*Metroxylon sagu*), *J.Food Chemistry*, 100: 774-780.