

## DAFTAR PUSTAKA

- Agustina, N. M., Ariyanto, R., & Alfaqih, K. (2019). Formulasi Tablet Effervescent Kelor (*Moringa oliefera*) Formulation of Moringa Effervescent Tablets. *Core.Ac.Uk*, 84–90. <https://core.ac.uk/download/pdf/265061745.pdf>
- Ameena, K., Dilip, C., Saraswathi, R., Krishnan, P. N., Sankar, C., & Simi, S. P. (2010). Isolation of the mucilages from *Hibiscus rosasinensis* linn. and Okra (*Abelmoschus esculentus* linn.) and studies of the binding effects of the mucilages. *Asian Pacific Journal of Tropical Medicine*, 3(7), 539–543. [https://doi.org/10.1016/S1995-7645\(10\)60130-7](https://doi.org/10.1016/S1995-7645(10)60130-7)
- Asih, S. (2021). *Evaluasi Sediaan Tablet Salbutamol Generik Dan Paten*. Universitas Bhakti Kencana.
- Aulton, M. E., & Taylor, K. (2013). *Aulton's Pharmaceutics: The Design and Manufacture of Medicines*. Elsevier Health Sciences.
- Bahadur, S., Roy, A., Chanda, R., Baghel, P., Saha, S., & Choudhury, A. (2016). Extraction and Evaluation of some Phytochemical and Physicochemical properties of *Hibiscus rosasinensis* mucilage . *Research Journal of Pharmacognosy and Phytochemistry*, 8(4), 205. <https://doi.org/10.5958/0975-4385.2016.00030.3>
- Banne, Y., Ulaen, S., & Lombeng, F. (2017). Uji Kekerasan, Keregasan, Dan Waktu Hancur Beberapa Tablet Ranitidin. *Jurnal Ilmiah Farmasi Poltekkes Manado*, 3(2), 96508.
- Bhusnure, O. G., Kazi, P., B.Gholve, S., Thonte, S. S., & Sangshetti, J. N. (2015). Formulation and Evaluation of Fast Disintegrating Tables of Nifedipine by QbD Approach. *International Journal Of Pharmacy & Pharmaceutical Research*, 4(3), 198–229.
- Buang, A., Adriana, A. N. I., & Rejeki, S. (2023). Formulasi Tablet Ekstrak Etanol

- Biji Buah Pinang (*Areca catechu* L.) dengan Variasi Konsentrasi Gelatin Sebagai Bahan Pengikat. *Jurnal Mandala Pharmacon Indonesia*, 9(1), 100–110.  
<https://doi.org/10.35311/jmpi.v9i1.315>
- Citra Rani, K., Ikhrom Eka jayani, N., Setaratika, M., & Mumpuni Kusuma Dewi, S. (2023). Optimization of Sucrose and Propylene Glycol Concentration in the Formulation of Chewable Gummy Tablets of Moringa Leaf Extract (*Moringa oleifera* L.). *Article BIOEDUSCIENCE*, 7(1), 73–87.  
<https://doi.org/10.22263/j.bes/7110751>
- Dewi, S. T. R., & Karim, D. (2019). Pengaruh Penggunaan Serbuk Umbi Talas (*Colocasia Esculanta* L.Scoot) Sebagai Bahan Pengikat Dalam Pembuatan Tablet Parasetamol. *Media Farmasi*, XVI(1), 0216–2083.  
<https://doi.org/10.32382/mf.v13i2.780>
- Diana Febriani, Dina Mulyati, & Endah Rismawati. (2015). Karakterisasi Simplisia dan Ekstrak Etanol Daun Sirsak (*Annona muricata* Linn). *Prosiding Penelitian SPeSIA Unisba*, 475–480.
- Dianita, P. S., & Kusuma, T. M. (2016). Formulasi Tablet Ekstrak Buah Pare dengan Variasi Konsentrasi Avicel sebagai Bahan Pengikat. *Jurnal Farmasi Sains Dan Praktis*, 2(1), 41–45.
- Gupta, S., Parvez, N., & Kumar Sharma, P. (2015). Extraction and Characterization of *Hibiscus rosasinensis* Mucilage as Pharmaceutical Adjuvant. *World Applied Sciences Journal*, 33(1), 136–141.  
<https://doi.org/10.5829/idosi.wasj.2015.33.01.9263>
- Hedao, M. G., Anandkar, A. C., Bhaingade, A. B., & Bidkar, A. A. (2022). Evaluation and Extraction of Crude Drugs from *Moringa Oleifera* Leaves and Preparation of an Antibacterial Tablet. *International Journal of Pharmaceutical Sciences and Medicine*, 7(5), 18–27.  
<https://doi.org/10.47760/ijpsm.2022.v07i05.002>
- Immanuel, H. J. (2023). *Optimasi Nilai Yield Dan Karakterisasi Serbuk Mucilago Daun*

*Kembang Sepatu (Hibiscus Rosa-Sinensis Linn.) Sebagai Gelling Agent.*  
Universitas Pembangunan Nasional Veteran Jakarta.

- Imtihani, H. N., Alfreeda, S., & Arif, J. R. A. (2023). Pengaruh Variasi Disintegran Avicel PH-102 dan Primogel terhadap Karakteristik Co-Processed Excipient. *Jurnal Ilmiah Medicamento*, 9(1), 9–15. <https://doi.org/10.36733/medicamento.v9i1.4635>
- Jani, G. K., Shah, D. P., Prajapati, V. D., & Jain, V. C. (2014). *Gums and mucilages : Versatile excipients for pharmaceutical formulations Gums and mucilages : versatile excipients for pharmaceutical formulations*. 4(October 2009), 308–322.
- Jasmiadi. (2016). Keseragaman Bobot Obat Racikan Dalam kapsul gelatin. *Journal of Pharmaceutical Science and Herbal Technology*, 3(1), 38–47.
- Karandule, A., Madake, K., Khairnar, R., & Tasgaonkar, R. (2023). Tablet Binders. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)*, 11(I), 675–681. <https://doi.org/https://doi.org/10.22214/ijraset.2023.48663>
- Kassakul, W., Praznik, W., Viernstein, H., Hongwiset, D., Phrutivorapongkul, A., & Leelapornpisid, P. (2014). Characterization of the mucilages extracted from hibiscus rosa-sinensis linn and hibiscus mutabilis linn and their skin moisturizing effect. *International Journal of Pharmacy and Pharmaceutical Sciences*, 6(11), 453–457.
- Kementerian Kesehatan Republik Indonesia. (2020). Farmakope Indonesia edisi VI. In *Departemen Kesehatan Republik Indonesia*.
- Khasanah, K., Nawangsari, D., & Kusuma, I. Y. (2023). Solid Dispersion of Acetosal Using Polyvinyl Pyrrolidone (PVP) K-30 in Tablets with Direct Compressing Method. *Indonesian Journal of Chemical Research*, 10(3), 183–194. <https://doi.org/10.30598/ijcr>

- Kusumo, N. N., & Ratnawulan Mita, S. (2016). Review: Pengaruh Natural Binder Pada Hasil Granulasi Paracetamol. *Farmaka Suplemen*, 14(1), 228–235.
- Lathifah, N., Hayatus, S., & Sri, R. (2022). Formulasi Dan Evaluasi Fisik Tablet Ekstrak Etanol Daun Salam (*Eugenia Polyantha W.*) Dengan Metode Granulasi Basah. *Jurnal Inovasi Penelitian*, 3(1), 4525–4530.
- Lestari, A. B. S., & Jonathan, A. C. (2023). Optimization of Crospovidone and Copovidone in Fast Disintegrating Tablet (FDT) Diphenhydramine HCl Using Factorial Design. *Journal of Pharmaceutical Sciences and Community*, 20(2), 121–129. <https://doi.org/10.24071/jpsc.006396>
- Markl, D., & Zeitler, J. A. (2017). A Review of Disintegration Mechanisms and Measurement Techniques. *Pharmaceutical Research*, 34(5), 890–917. <https://doi.org/10.1007/s11095-017-2129-z>
- Mishra, P., Rai, A., & Kumar, S. (2022). Systematic Review and Pharmacological Potential of Hibiscus Rosa-Sinensis as Antidiabetic Drug. *PEXACY International Journal of Pharmaceutical Science*, 1. <https://doi.org/10.5281/zenodo.7066674>
- Muzíková, J., Novotná, A., & Bartos, M. (2019). A study of the combination of microcrystalline cellulose and mannitol in a co-processed dry binder and in a physical mixture for the use in orally disintegrating tablets. *Acta Poloniae Pharmaceutica - Drug Research*, 76(2), 355–365. <https://doi.org/10.32383/appdr/102487>
- Nining, Lestari, P. M., & Indah, P. M. (2020). Efek Disintegrasi Pati Biji Cempedak ( *Artocarpus champeden Lour* ) Terpragelatinasi pada Tablet Ibuprofen. *Majalah Farmasi Dan Farmakologi*, 24(3), 77–82. <https://doi.org/10.20956/mff.v24i3.10776>
- Nofianti, T. (2020). Potensi Sediaan Kapsul Ekstrak Etanol Kulit Pisang Klutuk Sebagai Antidiabetes. *Jurnal Farmasi Udayana*, 187. <https://doi.org/10.24843/jfu.2020.v09.i03.p07>

- Nurprialdi, B., Gani, V. O. T., Halda, S., Pratama, P. A., & Panjaitan, R. S. (2023). Qualitative and Quantitative Identification of Carbohydrates in Commercial Yoghurt Products. *Indonesian Journal of Pharmaceutical Research*, 2(2), 11–21. <https://doi.org/10.31869/ijpr.v2i2.4134>
- Otálora, M. C., Wilches-Torres, A., & Gómez Castaño, J. A. (2021). Extraction and physicochemical characterization of dried powder mucilage from opuntia ficus-indica cladodes and aloe vera leaves: A comparative study. *Polymers*, 13(11). <https://doi.org/10.3390/polym13111689>
- Prabowo, I., Iskandarsyah, & Adriany, R. (2021). Characterization and concentration optimization of hibiscus rosa-sinensis l. Mucilage powder as superdisintegrant. *International Journal of Applied Pharmaceutics*, 13(Special Issue 2), 49–52. <https://doi.org/10.22159/ijap.2021.v13s2.09>
- Rahayuningdyah, D. W., Lyrawati, D., Widodo, F., Puspita, O. E., & Polymers, P. V. P. (2020). Pengembangan Formula Hidrogel Balutan Luka Menggunakan Kombinasi Development of Wound Hydrogel Dressing Formula Using a Combination of. *Pharmaceutical Journal Of Indonesia*, 5(2), 117–122.
- Rani, K., Parvez, N., & Kumar Sharma, P. (2016). Extraction and Characterization of Flax Seed Mucilage As Pharmaceutical Adjuvant. *Www.Wjpps.Com*, 5(7), 136–141. <https://doi.org/10.5829/idosi.wasj.2015.33.01.9263>
- Rao, M. R. P., Sadaphule, P., Khembete, M., Lunawat, H., Thanki, K., & Gabhe, N. (2013). Characterization of psyllium (*Plantago ovata*) polysaccharide and its use as a binder in tablets. *Indian Journal of Pharmaceutical Education and Research*, 47(2), 154–159.
- Raymond C, R., Paul J, S., & Marian E, Q. (2009). Handbook of Pharmaceutical Excipients 6th Edition. *Remington: The Science and Practice of Pharmacy*, 633–643. <https://doi.org/10.1016/B978-0-12-820007-0.00032-5>
- Raymond, R., Paul, S., & Quinn, M. (2006). Handbook of pharmaceutical excipients 5th edition. In *Handbook of pharmaceutical excipients, Sixth edition*.

Pharmaceutical Press.

- Rori, W. M., Y.Yamlean, P. V., & Sudewi, S. (2016). Formulasi dan evaluasi sediaan tablet ekstrak daun gedi hijau (*Abelmoschus manihot*) dengan metode granulasi basah. *PHARMACON: Jurnal Ilmiah Farmasi*, 5(2), 243–250. <https://doi.org/10.4324/9780429281532-5>
- Safitri, I., Sulistiyarningsih, S., & Chaerunisaa, A. Y. (2019). Review : Superdisintegran dalam Sediaan Oral. *Farmasetika.Com (Online)*, 4(3), 56. <https://doi.org/10.24198/farmasetika.v4i3.22945>
- Schlick-Hasper, E., Bethke, J., Vogler, N., & Goedecke, T. (2022). Flow properties of powdery or granular filling substances of dangerous goods packagings— Comparison of the measurement of the angle of repose and the determination of the Hausner ratio. *Packaging Technology and Science*, 35(10), 765–782. <https://doi.org/10.1002/pts.2678>
- Sispitasari, Y. E. (2017). Efektivitas Perasan Daun Bunga Sepatu (*Hibiscus rosa-sinensis* L) Terhadap Pertumbuhan *Staphylococcus aureus*. *The Journal of Muhammadiyah Medical Laboratory Technologist*, 1(1), 73. <https://doi.org/10.30651/jmlt.v1i1.1011>
- Somantri, A., Kartadarma, E., & Fitriarningsih, P. (2016). Formulasi Sediaan Tablet yang Mengandung Ekstrak Etanol Biji Koro Benguk dengan Bahan Pengikat CMC-Na , Amylum Manihot dan Kombinasi Keduanya sebagai Afrodisiak Preparation of Tablets Formulation Containing Velvet Beans Ethanol Extract with evaluasi granu. *Prosiding Farmasi*, 2(2), 343–350.
- Specht, F., & Yunis, M. (2020). Natural And Organic Binder Compositions For Oral Solid Dosage Forms. *Patent Application Publication*.
- Sudarsono, A. P. P., Nur, M., & Febrianto, Y. (2021). Pengaruh Perbedaan Suhu Pengeringan Granul (40°C,50°C,60°C) Terhadap Sifat Fisik Tablet Paracetamol. *Jurnal Farmasi & Sains Indonesia*, 4(1), 44–51. <https://doi.org/10.52216/jfsi.v4i1.72>

- Sulaiman, T. N. S., & Sulaiman, S. (2020). Review: Eksipien Untuk Pembuatan Tablet Dengan Metode Kempa Langsung. *Journal of Pharmaceutical And Sciences*, 3(2), 64–76. <https://doi.org/10.36490/journal-jps.com.v3i2.44>
- Suparman, A., Susilawati, Y., & Chaerunisaa, A. Y. (2021). Formulasi Tablet dengan Bahan Aktif Ekstrak Tumbuhan Obat Indonesia: Review. *Majalah Farmasetika*, 6(3), 234. <https://doi.org/10.24198/mfarmasetika.v6i3.32259>
- Susanty, S., Yudistirani, S. A., & Islam, M. B. (2019). Metode ekstraksi untuk perolehan kandungan flavanoid tertinggi dari ekstrak daun kelor (*Moringa oleifera* Lam). *Jurnal Konversi*, 8(2), 31–36. <https://jurnal.umj.ac.id/index.php/konversi/article/view/6140>
- Syaputri, F. N., Saila, S. Z., Tugon, T. D. A., R., A. P., & Lestari, D. (2023). Formulasi dan Uji Karakteristik Fisik Sediaan Granul Effervescent Ekstrak Etanol Daun Sirih Merah (*Piper crocatum ruiz*) Sebagai Antidiabetes. *Jurnal Ilmu Kefarmasian*, 4(1), 191–198.
- Tosif, M. M., Najda, A., Bains, A., Kaushik, R., Dhull, S. B., Chawla, P., & Walasek-Janusz, M. (2021). A comprehensive review on plant-derived mucilage: Characterization, functional properties, applications, and its utilization for nanocarrier fabrication. *Polymers*, 13(7). <https://doi.org/10.3390/polym13071066>
- Ulfa Maria Ade, N. dan D. A. (2018). Uji Kekerasan, Analisa Dan Waktu Hancur Asam Mefenamat Kaplet Salut Generik Dan Merek Dagang. *Jurnal Farmasi Malahayati*, 1(2), 59–68.
- Ulfa Rafika. (2021). Variabel Penelitian Dalam Penelitian Pendidikan. *Al-Fathonah : Jurnal Pendidikan Dan Keislaman*, 6115, 342–351.
- Vaishnavee, G. J. (2021). A Review of Natural Binders as Pharmaceutical Excipient in The Novel Drug Delivery System. *Ijppr.Human*, 21(3), 84–99. [www.ijppr.humanjournals.com](http://www.ijppr.humanjournals.com)
- Vijay R Mahajan, & Swati D Jamdhade. (2022). Effect of natural binder (okra, wheat,

- fragrantmanjak) concentration on the hardness and disintegration time of tablet. *World Journal of Advanced Research and Reviews*, 16(3), 264–269. <https://doi.org/10.30574/wjarr.2022.16.3.1325>
- Virisy, B. A., & Subarnas, A. (2018). Review Mekanisme, Karakterisasi Dan Aplikasi Sodium Starch Glycolate (Ssg) Dalam Bidang Farmasetik. *Farmaka*, 16(2), 556–561.
- Wijaya, A., & Noviana. (2022). Penetapan Kadar Air Simplisia Daun Kemangi ( *Ocimum basilicum* L .) Berdasarkan Perbedaan Metode Determination Of The Water Content Of Basil Leaves Simplicia ( *Ocimum basilicum* L .) Based On Different Drying Methods. *Jurnal Riset Kefarmasian Indonesia*, 4(2), 185–199.
- Yahaya, N. A., Anuar, N. K., & Saidin, N. M. (2023). Hibiscus Rosa-Sinensis Mucilage As a Functional Polymer in Pharmaceutical Applications: a Review. *International Journal of Applied Pharmaceutics*, 15(1), 44–49. <https://doi.org/10.22159/ijap.2023v15i1.46159>
- Zaman, N. N., & Sopyan, I. (2020). Tablet Manufacturing Process Method and Defect Of Tablets. *Majalah Farmasetika*, 5(2), 82–93. <https://doi.org/10.24198/mfarmasetika.v5i2.26260>
- Zarmpi, P., Flanagan, T., Meehan, E., Mann, J., & Fotaki, N. (2017). Biopharmaceutical aspects and implications of excipient variability in drug product performance. *European Journal of Pharmaceutics and Biopharmaceutics*, 111, 1–15. <https://doi.org/10.1016/j.ejpb.2016.11.004>