

## DAFTAR PUSTAKA

1. OM B, Pujari R, Nemlekar N, Kharat P, Shete A, Vanave M. Appraisal On : Tablet Coating and Its Outcome with Complementary Sprouting September - October. *Res J Pharm Biol Chem Sci*. 2014;5(298):298–315.
2. Basu A, De A, Dey S. Techniques of Tablet Coating: Concepts and Advancements: A Comprehensive Review. *J Pharm Pharm Sci*. 2013;2(4):1–6.
3. Reddy BV, Navaneetha K, Reddy BR. Tablet Coating Industry Point View-A Comprehensive View. *Int J Pharm Biol Sci*. 2013;3(1):248–61.
4. Ankit, Ajay, Kataria, Kumar, Neetu, Bihani. Tablet Coating Techniques: Concepts and Recent Trends. *Int Res J Pharm*. 2012;3(9):50–8.
5. Liu G, Zotarelli L, Li Y, Dinkins D, Wang Q. Controlled-Release and Slow-Release Fertilizers as Nutrient Management Tools 1 Controlled-Release Fertilizers Slow-Release Fertilizers. 2017;1–6.
6. Trade I, Services A. *Fertilizer Outlook*. 2017;(May).
7. Cole L. *Polystyrene: Synthesis, Characteristics and Applications*. Lynwood C, editor. New York: Nova Science Publishers; 2014.
8. Suardi M, Salman, Fitriani L, Suharti N, Zaini E, Febriyenti, et al. Use of bioblend polystyrene/starch for coating urea granules as slow release fertilizer. *J Chem Pharm Res*. 2015;7(11):478–84.
9. Yang Y, Zhang M, Li Y, Fan X, Geng Y. Improving the Quality of Polymer-Coated Urea with Recycled Plastic, Proper Additives, and Large Tablets. 2012;

10. Suharti N, Sulaiman S, Zaini E, Suardi M, Ben ES, Djamaan A, et al. Effect of Bioblend Polystyrene / Polycaprolactone and Polystyrene / Starch Utilization toward Coating Thickness and Release of Active Substance from Urea Granule. 2016;8(11):83–7.
11. Sulaiman S, Dillasamola D, Febriyenti, Suardi M. Coating of Urea Granules for Slow Release Fertilizer Using Bioblend Research Journal of Pharmaceutical , Biological and Chemical Sciences Coating of Urea Granules for Slow Release Fertilizer Using Bioblend Polystyrene / Polycaprolactone . 2016;(January).
12. Henkel M. 21st Century Homestead : Sustainable Agriculture III : Agricultural Practices. 2015.
13. Leghari SJ, Laghari GM, Ahmed T. Role of Nitrogen for Plant Growth and Development: A Review. Adv Environ Biol. 2016;10(9):209–18.
14. Brady N, Weil R. Soil Colloids : Seat Of Soil Chemical And Physical Acidity. new jersey; 2008. 311-358 p.
15. Tamme T, Reinik M, Roasto M. Nitrates and Nitrites in Vegetable : Occurance and Health Risk. 2010;
16. Abdolzadeh A, Wang X, Veneklaas EJ, Lambers H. Effects of Phosphorus Supply on Growth, Phosphate Concentration and Cluster-Root Formation in Three Lupinus Species. Ann Bot. 2010 Mar;105(3):365–74.
17. Ekelöf J. Phosphorus Application Strategies in Potato. 2014.
18. Jiao L, Sun J. A Thermal Degradation Study of Insulation Materials Extruded Polystyrene. Procedia Eng. 2014;71:622–8.

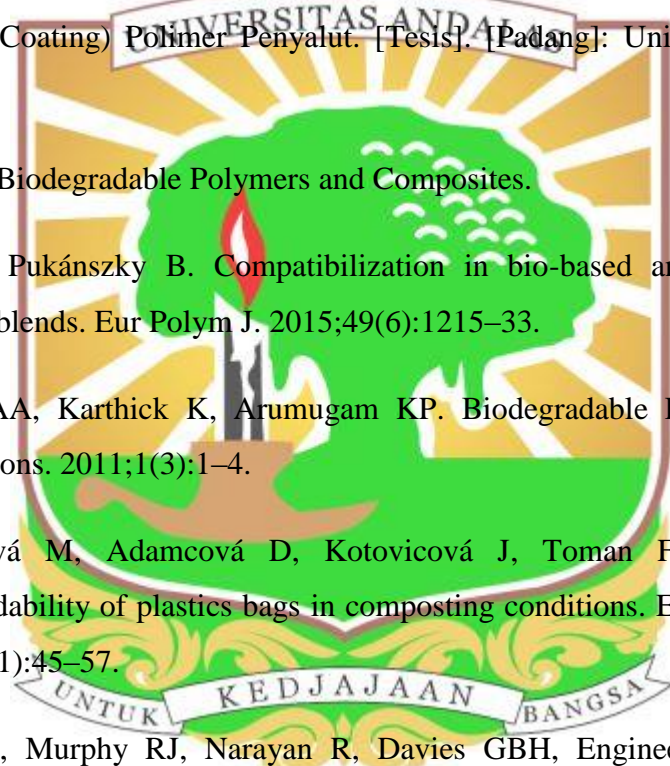


19. Schlemmer D, Sales MJA, Resck IS. Degradation of Different Polystyrene/Thermoplastic Starch Blends Buried in Soil. *Carbohydr Polym.* 2009 Jan;75(1):58–62.
20. Kadam PV, Bhingare CL, Soni SB. Pharmacognostical Evaluation of Fruits of *Mallotus Philippenensis* (Lam). Muell- Arg (Euphorbiaceae). *J Pharm Sci Innov.* 2013;2(3):20–3.
21. Kanakal MM, Sakeena MHF, Azmin MN, Yusrida D. Effect of Coating Solvent Ratio on the Drug Release Lag Time of Coated Theophylline Osmotic Tablets. 2009;8(June):239–45.
22. Wackerly JW, Dunne JF. Synthesis of Polystyrene and Molecular Weight Determination by <sup>1</sup>H NMR End-Group Analysis. 2017;
23. Charles E, Carraher J. *Introduction to Polymer Chemistry*, Second Edition. 2nd ed. CRC Press; 2011.
24. Chuayjuljit S, Tunwattanaseree C, Charuchinda S. Journal of Reinforced Plastics and Preparation of Microcrystalline Cellulose from Waste-Cotton Fabric for Biodegradability Enhancement of Natural Rubber Sheets. 2009;4–14.
25. Sempeho SI, Kim HT, Mubofu E, Hilonga A. Meticulous Overview on the Controlled Release Fertilizers. 2014;2014.
26. Arjmandi R, Hassan A, Haafiz MKM, Zakaria Z. Effect of microcrystalline cellulose on biodegradability, tensile and morphological properties of montmorillonite reinforced polylactic acid nanocomposites. *Fibers Polym.* 2015 Oct 29;16(10):2284–93.
27. Jemmy IGNA, Putra IGNAD, Sari DAMIP, Prabayanti NPM. Pembuatan



Mikrokristalin Selulosa Jerami Padi. 2016.

28. Amer ZJA, Ahmed JK, Abbas SF. Chitosan / PMMA Bioblend for Drug Release Applications. 2014;4(5):318–24.
29. Brito GF, Agrawal P, Araújo EM, Mélo TJA de. Polylactide/Biopolyethylene bioblends. *Polímeros*. 2012 Nov 9;22(5):427–9.
30. Putri MR. Teknologi Formulasi NPK Lepas Lambat dengan Metode Dua Lapis (Double Coating) Polimer Penyalut. [Tesis]. [Padang]: Universitas Andalas; 2007.
31. Anne B. Biodegradable Polymers and Composites.
32. Imre B, Pukánszky B. Compatibilization in bio-based and biodegradable polymer blends. *Eur Polym J*. 2015;49(6):1215–33.
33. Kumar AA, Karthick K, Arumugam KP. Biodegradable Polymers and Its Applications. 2011;1(3):1–4.
34. Vaverková M, Adamcová D, Kotovicová J, Toman F. Evaluation of biodegradability of plastics bags in composting conditions. *Ecol Chem Eng S*. 2014;21(1):45–57.
35. Song JH, Murphy RJ, Narayan R, Davies GBH, Engineering M, Ub M. Biodegradable and compostable alternatives to conventional plastics. 2009;1:2127–39.
36. Kyrikou I, Briassoulis D. Biodegradation of Agricultural Plastic Films: A Critical Review. *J Polym Environ*. 2007 Apr;15(2):125–50.
37. Patel P, Parmar K, Patel M, Patel P, Patel V, Sen D. Biodegradable Polymers: An Ecofriendly Approach In Newer Millenium. 2011;1(3):23–39.





38. Pawar R, Chauhan B, Sharma S. Compression Coated Tablets as Drug Delivery System (Tablet in Tablet) : A Review. 2014;6(974):21–33.
39. Subbarao C V, Kartheek G, Sirisha D. Slow Release of Potash Fertilizer Through Polymer Coating. 2013;(May 2012):25–30.
40. Agrawal AM, Pandey P. Scale Up of Pan Coating Process Using Quality by Design Principles. J Pharm Sci. 2015;104(11):3589–611.
41. Srivastava S, Mishra G. Review Article Fluid Bed Technology : Overview and Parameters for Process Selection. 2010;2(4):236–46.
42. Costa MME, Elaine CMC-A, Tito LMA JC& RL. Use of polyhydroxybutyrate and ethyl cellulose for coating of urea granules. Journal of Agricultural and Food Chemistry. 2013;61(42):998–9991.
43. Shargel L, Wu-Pong S YA. Biofarmasetik dan Farmakokinetika Terapan. Edisi 5 Alih Bahasa: Fasich, Siti Sjamsiah. surabaya: Airlangga University Press; 2012.
44. Balai Penelitian Tanah. Analisis Kimia Tanah, Tanaman, Air dan Pupuk. bogor: Badan Penelitian dan Pengembangan Pertanian Departemen Pertanian; 2005.
45. Rasyadi Y. Formulasi Granul Lepas Lambat NPK Menggunakan Bioblend Polistiren sebagai Penyalut dan Aplikasinya pada Tanaman Jagung. Skripsi. Universitas Andalas; 2017.
46. García MT, Gracia I, Duque G, Lucas A de, Rodríguez JF. Study of the solubility and stability of polystyrene wastes in a dissolution recycling process. Waste Manag. 2009;29(6):1814–8.



47. Rivai H. Preparation and Characterization of Microcrystalline Cellulose from Waste of Sawdust. 2015;(November).
48. Nawangsari D, Yohana Chaerunisaa A, Abdassah M, Sriwidodo S, Rusdiana T, Apriyanti L. Isolation and Physicochemical Characterization of Microcrystalline Cellulose from Ramie (*Boehmeria nivea* L. Gaud) Based on Pharmaceutical Grade Quality. *Indones J Pharm Sci Technol*. 2019;5(2):55.
49. Kurniati A, Darmokoesoemo H, Puspaningsih NNT. Scanning Electron Microscope Analysis of Rice Straw Degradation by a Treatment with  $\alpha$ -L-arabinofuranosidase. *Procedia Chem*. 2016;18(Mcls 2015):63–8.
50. Kunusa WR, Isa I, Laliyo LAR, Iyabu H. FTIR, XRD and SEM Analysis of Microcrystalline Cellulose (MCC) Fibers from Corncorbs in Alkaline Treatment. *J Phys Conf Ser*. 2018;1028(1).
51. Atiq N, Ahmed S, Ali M, Andleeb S. Isolation and identification of polystyrene biodegrading bacteria from soil. *African J Microbiol Res*. 2010;4(November 2006):1537–41.
52. Xing Z, Wang M, Du G, Xiao T, Liu W, Qiang D, et al. Preparation of microcellular polystyrene/polyethylene alloy foams by supercritical CO<sub>2</sub> foaming and analysis by X-ray microtomography. *J Supercrit Fluids*. 2013;82:50–5.
53. Thomas D, Kasten R. Using polymer-coated controlled-release fertilizers in the nursery and after outplanting. 2009;(C):5–12.
54. Nuruzatulifah AM, Nizam AA, Ain NMN. Synthesis and Characterization of Polystyrene Nanoparticles with Covalently Attached Fluorescent Dye. *Mater Today Proc*. 2016;3(Icfmd 2015):S112–9.

55. Sawant SD. FT-IR Spectroscopy : Principle , Technique and Mathematics. Int J Pharma Bio Sci. 2011;2(1):513–9.
56. Talari ACS, Martinez MAG, Movasaghi Z, Rehman S, Rehman IU. Advances in Fourier transform infrared (FTIR) spectroscopy of biological tissues. Appl Spectrosc Rev. 2017;52(5):456–506.
57. Talari ACS, Martinez MAG, Movasaghi Z, Rehman S, Rehman IU. Advances in Fourier transform infrared (FTIR) spectroscopy of biological tissues. Appl Spectrosc Rev [Internet]. 2017;52(5):456–506. Available from: <http://dx.doi.org/10.1080/05704928.2016.1230863>
58. Zhong K, Lin Z, Zheng X, Jiang G, Fang Y, Mao X, et al. Starch derivative-based superabsorbent with integration of water-retaining. Carbohydr Polym. 2013;92:1367–76.
59. Gardiner B, Berry P, Moullia B. Review: Wind Impacts on Plant Growth, Mechanics and Damage. Plant Sci. 2016;245(November):94–118.
60. Schindler D, Bauhus J, Mayer H. Wind Effects on Trees. Eur J For Res. 2012;131(1):159–63.

