

DAFTAR PUSTAKA

- Alikhan, I., 2014, *Management of Agricultural Inputs*. Agrotech Publishing Academy. ISBN 9789383101474.
- Ames Jr., L. L., 1965, *Zeolite Cation Selectivity, The Can Mineral*; December 1965; v. 8; no. 3; p. 325-333.
- Babar Azeem., KuZilati KuShaari., Zakaria B.Man., Abdul Basit., Trinh H. Trinh., 2014, "review on material and method to produced controlled release coated urea fertilizer". *J. Control. Release*. 181 (2014) 11-21.
- Bockman, O. C., dan Olf, H.-W., 1998, *Fertilizers, Agronomy and N₂O, Nutrient Cycling in Agroecosystems* 52(2-3).
- Bonnardeaux, J., 2006, *Glycerin Overview*, Department of Agriculture and Food, Australia.
- Cazon, P., Vazquez, M., Velazquez, G., 2018, Cellulose-glycerol-polyvinyl Alcohol Composite Films for Food Packaging : Evaluation of Water Absorption, Mechanical Properties, Light-barrier Properties and Transparency, *Carbohydr. Polym.* 195, 432-443.
- Cervera, M. F., Heinamaki, J., Krogars, K., and Jorgensen, A. C., 2004, Solid-State and Mechanical Properties of Aqueous Chitosan-Amylose Starch Film Plasticized with Polyols, *AAPS Pharm. Sci. Tech.*, 5, 15-20.
- Chattopadhyay, S., 2000, Compability Studies on Soliton of Polymer Blends by Viscometric and Phase Separation Technique, *J. App. Polym. Sci.*, 77, 880-889.
- Danny Pratikta, Sri Hartatika, Ketut Anom Wijaya. 2013. Pengaruh penambahan pupuk NPK terhadap produksi beberapa aksesori tanaman jagung (*Zea mays* L.). *Berkala Ilmiah Pertanian*, volume 1(2): 19-21
- Dogra S.K., Dogra, S. 1984, *Physical Chemistry Through Problems*, Wiley Eastern Limited, New Delhi.
- Falah R. A., 2016, Kinetika Lepas Lambat Mangan dari Komposisi Kitosan/zeolite-Mn, *Skripsi*, UGM
- Galiotta, Gioa, D., Guilbert and Cuq, 1998, Mechanical and Thermomechanical Properties of Films Based on Whey Proteins as Affect by Plasticizer and Crosslinking Agent, *J. Dairy Sci.* 81, 3123-3130.
- Ghanbarzadeh, B., Almasi, H., and Entezami, A.A., 2010, Physical Properties of Edible Modified Starch/Carboxymethyl Cellulose Films, *Innov. Food Sci. & Emerg. Technol.*, 11, 697-702.

- Ho, Y.S. and McKay, G., 1999, The Sorption of Lead (II) Ions on Peat, *Wat. Res.*, 33 (2), 578-584
- Huq, T., Salmieri, S., Khan, A., Khan, R.A., Li Tien, C., and Riedl, B., 2012, Nanocrystalline Cellulose (NCC) Reinforced Alginate Based Biodegradable Nanocomposite Film, *Carbohydr. Polym.*, 90, 1757-1763.
- Irfan, S.A., Razali, R., KuShaari K., Mansor N., Azeem, B., Versypt, A.N.F., A Review of Mathematical Modeling and Simulation of Controlled-release fertilizers, *J. Control. Release.*, 271, 45-54.
- Istiani, A., 2018, Pengaruh Mmultilayer Coating berbasis Kitosan terhadap Laju Pelepasan Nitrogen Pupuk Lepas Lambat untuk mengembangkan Pupuk Lepas Lambat (*Controlled Release Fertilizer*), *Skripsi*, UGM.
- Jiang, G.P., Yang, J.F., and Gao, J.Q., 2008, Effect of Starch on Extrusion Behaviour of Ceramic Pastes, *Mater. Res. Innovations*, 13, 119-123.
- Lehmann, J., and Schroth, G., 2003. *Nutrient Leaching*. © CAB International 2003. Trees, Crops and Soil Fertility (eds G. Schroth and F. L. Sinclair).
- Knorst, M.T., Neubert, R., and Wohlrab, W., 1996, Analytical Methods for Measuring Urea in Pharmaceutical Formulations, *J. Pharm. Biomed. Anal.*, 15, 1627-1632.
- Lingga, P., and Marsono, 1986, *Petunjuk Penggunaan Pupuk*, Penebar Swadaya, Jakarta.
- Liu, G. Zotarelli, L., Li, Y., Dinkins, D., dan Wang Q. (2014). *Controlled release and slow-release fertilizer as nutrients managemen tools 1*. IFAS Extension University of Florida, 1-7.
- Lucia, I.A., and Rojas, O.J., 2007, Fibre Nanotechnology: A New Platform for Green Research and Technological Innovation, *Cellulose*, 14, 539-542.
- Ma, X., Chang, P.R., and Yu, J., 2008, Properties of Biodegradable Thermoplastic Pea Starch/Carboxymethyl Cellulose and Pea Starch/Microcrystalline Cellulose Composites, *Carbohydr. Polym.*, 72, 369-375.
- McHugh, T. H., and Krochta, J. M., 1994, Sorbitol vs Glycerol-plasticized Whey Protein Edible Films-Integrated Oxygen and Tensile Property Evaluation, *J. Agric. Food. Chem.*, 42(4), 841-845
- Mukerabigwi, J. F., Wang, Q., Ma, X., Liu, M., Lei, S., Wei, H., Huan, X., and Cao, Y., 2015, Urea Fertilizer Coated with Biodegradable Polymers and Diatomite for Slow Release and Water Retention, *J. Coat. Technol. Res.*, 10, 1007.
- Noureddini, H., and Medikonduru, 1997, Glycerolysis of Soybean Oil, *J. Am. Oil Chem. Soc.*, 75, 1359.

- Olad, A., Zebhi, H., Salari, D., Mirmohseni, A., Tabar, A.R, 2018, Slow-release NPK Fertilizer Encapsulated by Carboxymethyl Cellulose-based Nanocomposite with the Function of Water Retention in Soil, *J. Mat. Sci. Eng. C.*, 90, 333-340.
- Ramakrishna, S., Mihira, V., Vyshnavi, K.R and Ranjith, V. 2012. Design and Evaluation of Drug Release Kinetics of Meloxicam Sustained Release Matrix Tablet. *In.t J. Curr. Pharm. Res.*, (1): 90-99.
- Rashidzadeh, A.O., Salari, A.D., and Reyhanitabar, A., 2014, On Preparation and Swelling Properties of Hydrogel Nanocomposite based on Sodium–alginate–g–Poly(acrylic acid–co–acrylamide)/Clinoptilolite and its Application as Slow Release Fertilizer, 2014, *J. Polym. Res.*, 21, 344.
- Ratih, D. P., 2018, Hidrogel Kitosan-NPK Tertaut Silang Glutaraldehyd dengan Metode Pengeringan *Freeze-Drying* sebagai *Controlled Release Fertilizer*, *Skripsi*, UGM.
- Reddy, R.L., Reddy, V.S., Gupta, G.A., 2013, Study of Bio-Plastics as Green & Sustainable Alternative to Plastics, *Ijetae*, 3, 2250-2459
- Sampieri, A., Fetter, G., Bosch, P., and Bulbulian, S., 2004, Washing Effect on the Synthesis of Silica-Pillared Clays, *J. Porous Mater.*, 11, 157-162.
- Schrödter K., Bettermann G. Staffel T., Wahl F., Klein T., Hofmann T., 2008, *Phosphoric Acid and Phosphates in Ullmann's Encyclopedia of Industrial Chemistry 2008*, Wiley-VCH, Weinheim.
- Shaikh, H.K., Kshirsagar, R. V. and Patil, S. G, 2015, Mathematical Model for Drug Release Characterization: A Review. *World Journal of Pharmaceutical Research*. 4(4): 324-338.
- Shaviv, A., 2005, *controlled release fertilizer*, IFA international workshop on Enchanted-Efficiency Fertilizer. Frankfurt, International Fertilizer Industry Association, Paris, France
- Shaviv., A. 2001. *Advanced In controlled-release fertilizer*. *Advances in agronomy*, 71.
- Skurtys, O., A., C., Acevedo, C., Pedreschi, F., Enronoe, F., Osorio, J. F., and Aguiler, J., M., 2010, *Food Hydricolloid Edible Films and Coatings*, Nova Science Publisher, Inc., U.S.
- Smill, V. 1999. *Nitrogen in crop production*. *Global Biogeochem Cycles* 13: 647 – 662.
- Smith, S.J., Schepeers, J. S., and Porter, L.K., 1990. Assesing and managing nitrogen losses to the envirotnment.

- Tavassoli-Kafrani, E., Shekarchizadeh, H., and Masoudpour-Behabadi, M., 2016, Development of Edible Films and Coating from Alginates and Carrageemans, *Carbohydr. Polym.* 137, 360-374
- Tongdeesoontorn, W., Mauer, L.J., Wongruong, S., Sriburi, P., and Rachtanapun, P., 2011, Effect of Carboxymethyl Cellulose Concentration on Physical Properties of Biodegradable Cassava Starch-Based Films, *Chem. Central J.*, 5, 1-8.
- Trenkel, M. E., 1997, *Controlled-release and stabilized fertilizerd in agriculture*. Paris : International fertilizer industry association (IFA)
- Trenkel, M.E., 2010, *Slow-and controlled-release and stabilized fertilizer : An Option for Enhancing Use Efficiency in Agriculture*. International Fertilizer Industry Association, Paris, France
- Turner, M.B., Spear, S.K., Holbrey, J.D., and Rogers, R.D., 2004, Production of Bioactive Cellulose Films Reconstituted from Ionic Liquids, *Biomacromolecules*, 5, 1379-1384.
- Turrentine, J. W., 1984. Composition of Potash Fertilizer Salts for Sale on the American Market. *Industrial & Engineering Chemistry. American Chemical Society*. 26 (11): 1224–1225
- Wang, J., and Somasundaran, P., 2005, Absorption and Conformation of Carboxymethyl Cellulose at Solid-Liquid Interfaces Using Spectroscopy, *J. Colloid Interface Sci.*, 291, 75-83.