

DAFTAR PUSTAKA

- Abdel-Mohzen, A.M., *et al.* (2011). "Eco-Synthesis of PVA/Chitosan Hidrogels for Biomedical Application". *J Polym Environ.* **19**, 1005-1012.
- Chippada, U. (2010). *Non-Intrusive Characterization of Properties of Hydrogels*. Disertasi in The State University of New Jersey : tidak diterbitkan.
- Erizal,D. dan Sudirman. (2009). "Hidrogel N-Isopropil Akrilamidako-Poli Etilen Oksida Hasil Radiasi Gamma Sebagai Matriks Sistem Pompa". *Jurnal Sains Materi Indonesia.***10**, (2), 124 – 130. ISSN : 1411-1098.
- Ganji, F. dan Vasheghani-Farahani, E.(2009). "Hydrogels in Controlled Drug Delivery Systems". *Iranian Polymer Journal.* **18**, (1), 63-88
- Gulrez, Syed K. H., *et al.* (2011). *Hydrogels: Methods of Preparation, Characterisation and Applications, Progress in Molecular and Environmental Bioengineering - From Analysis and Modeling to Technology Applications*, Prof. Angelo Carpi (Ed.), ISBN : 978-953-307-268-5, InTech,
- Hamidi, *et al.* (2008). "Hydrogel Nanoparticles In Drug Delivery". *Advanced Drug Delivery Reviews.* **60**, 1638–1649.
- Han X, Chen S, dan Xianguo Hu. (2008). "Controlled-release fertilizer encapsulated by starch/polyvinyl alcohol coating". *Desalination.* **240**, 21-26.
- Hekmat, A., *et al.* (2009)." Synthesis and Analysis of Swelling and Controlled Release Behaviour of Anionic sIPN Acrylamide based Hydrogels". World Academy of Science, *Engineering and Technology*, **56**, 96-100 .
- Intradewi, Didik. (2009). *Penanggulangan Masalah Defisiensi Seng (Zn): From Farm to Table*. Yogyakarta: Jurusan Budidaya Pertanian Fakultas Pertanian UGM
- Jamnongan, T., Kaewpirom, S. (2010). "Controlled-Release Fertilizer Based on Chitosan Hidrogel: Phosphorus Release Kinetic". *Science Journal UBU.* **1**, (1), 43-50.
- Kluse-Jennifer, [S.](#), [Barbara H.](#) dan [Diaz.](#) A. (2005). "Importance of Soil Moisture and Its Interaction with Competition and Clipping For Two Montane Meadow Grasses". *Plant Ecology.* **176**, (1), 87-99.
- Kumar-Parida, U. *et al.* (2011). "Synthesis and Characterization of Chitosan-Polyvinyl Alcohol Blended with Cloisite 30B for Controlled Release of the Anticancer Drug Curcumin". *Journal of Biomaterials and Nanobiotechnology.***2**, 414-425

- Kusmarwiyah, R. dan Erni, S. (2011). "Pengaruh Media Tumbuh dan Pupuk Organik Cair Terhadap Pertumbuhan dan Hasil Tanaman Seledri (*Apium graveolens L.*)". *Crop Agro*. **4**, (2), 7-12.
- Lesmana.(2006). *Karakterisasi Kristal Bioflokulan DYT Bentuk Batang dengan Meroda FTIR, XRD, TG/DTA*. Skripsi Sarjana pada FPMIPA Universitas Pendidikan Indonesia, Bandung : Tidak Diterbitkan.
- Liang, R., Liu, M., & Wu, L. (2007). "Controlled Release NPK Compound Fertilizer with The Function of Water Retention". *Reactive and Functional Polymers*. **67**, 769-79.
- Mansur, Herman S., *et al.* (2008). "FTIR Spectroscopy Characterization of Poly (Vinyl Alcohol) Hydrogel with Different Hydrolysis Degree and Chemically Crosslinked with Glutaraldehyde". *Materials Science and Engineering C*. **28**, 539–548.
- Mubarrok. (2007). *Kristalisasi dan Karakterisasi Senyawa Aktif Bioflokulan DYT hasil Isolasi Melalui Metode Refluks*. Skripsi Sarjana pada FPMIPA Universitas Pendidikan Indonesia, Bandung : Tidak Diterbitkan.
- Nurul-Ulfah, N. (2013). *Preparasi dan Uji Swelling Ratio Hidrogel Berbahan Dasar Polivinil Alkohol Bioflokulan DYT dan Kitosan*. Skripsi Sarjana pada FPMIPA Universitas Pendidikan Indonesia, Bandung : Tidak Diterbitkan.
- Oh-Kim, Kyu. *et al.* (2011). "Cells Attachment Property of PVA Hydrogel Nanofibers Incorporating Hyaluronic Acid for Tissue Engineering". *Journal of Biomaterials and Nanobiotechnology*. **2**, 353-360
- [Park](#),H. *et al.* (2009). "Effect of Swelling Ratio of Injectable Hydrogel Composites on Chondrogenic Differentiation of Encapsulated Rabbit Marrow Mesenchymal Stem Cells *In Vitro*".
- Pratiwi, Endah. (2010). *Perbandingan Metode Maserasi, Remaserasi, Perkolasi dan Reperkolasi dalam Ekstraksi Senyawa Aktif Andrographolide dari Tanaman Sambiloto (*Andrographis paniculata (Burm.F.) Nees*)*. Skripsi Sarjana pada Institut Pertanian Bogor : Tidak Diterbitkan
- Ray.M. (1999). *Essential Plant Nutrients: their presence in North Carolina soils and role in plant nutrition*. Agronomis Division : NCDA&CS
- Rosadi, N. (2010). *Kajian Tentang Efek Garam MgCl₂ pada Ekstraksi Senyawa DYT Dengan Metode Refluks*. Skripsi Sarjana pada FPMIPA Universitas Pendidikan Indonesia, Bandung : Tidak Diterbitkan.
- Rosiak, J. M. dan Yoshii, F. (1999). "Nucl. Instrum. Methods Phys" *Res*. **151**, 56–64.

- Savci, S. (2012). "Investigation of Effect of Chemical Fertilizers on Environment". *APCBEE Procedia*. **1**, 287 – 292.
- Shavit, U., M. Reiss, A. Shaviv. (2002). "Setting mechanisms of gel-based controlled-release fertilizers". *Journal of Controlled Release*. **1**:1-13
- Shaviv, A. (2000). "Advances in Controlled Release of Fertilizers". *Advances in Agronomy*. **71**:1-49 *Biomacromolecules*. **10**, (3), 541–546
- Silva, J. A. dan Uchida, R., eds. (2000). *Essential Nutrients for Plant Growth: Nutrient Functions and Deficiency Symptoms (Chapter 3)*. Hawaii : College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa
- Silva, S. S. (2005). "Physical properties and biocompatibility of chitosan/soy blended membranes". *Journal of Materials Science*. **16**, 575-579.
- Singh V, Tiwari A, Pandey S, dan S. K. Singh. (2007). "Peroxydisulfate initiated synthesis of potato starch-graft-poly(acrylonitrile) under microwave irradiation". *eXPRESS Polymer Letters*. **1**, (1), 51–58.
- Tomaszewska, M., *et al.* (2002). "Physical and chemical characteristics of polymer coatings in CRF formulation". *Desalination*. **146**, 319–323
- Tyliszczak B., J. Polaczek, K. Pielichowski. (2009). "PAA-Based Hybrid Organic-Inorganic Fertilizers with Controlled Release". *Polish J. of Environ. Stud.* **18**,(3), 475-479.
- Varshosaz', J. dan Koopaie, N. (2002). "Cross-linked Poly (vinyl alcohol) Hydrogel : Study of Swelling and Drug Release Behaviour". *Iranian Polymer Journal* .**11**, (2), 123-131.
- Wang, W. dan Wang, A. (2010). "Preparation, Swelling and Water-retention Properties of Crosslinked Superabsorbent Hydrogels Based on Guar Gum". *Advanced Materials Research* . **96**, 177-182.
- Zhang, F., *et al.* (2006). "Effects of slow/controlled-release fertilizer cemented and coated by nano-material on biology". *Nanoscience*. **11**, (1), 18-26.