UNIVERSITAS
GADJAH MADA
PENGARUH KONSENTRASI LARUTAN DAN JENIS PELARUT TERHADAP MORFOLOGI FIBER STYROFOAM (EXPANDED POLYSTYRENE) HASIL ELEKTROSPINNING
AFIFAH ARSYITA A, Dr. Eng. Ahmad Kusuma Atmaja, M. Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

DAFTAR PUSTAKA

California Integrated Waste Management Board, 2004 ,"Use and Disposal of Polystyrene in California: A Report to the California Legislature," 4,14.

Cao, G., 2004, *Nanostructures and Nanomaterials : Synthesis, Properties and Applications*, Imperial College Press, London.

Deitzel, J. M. , Kleinmeyer, J. , Harris, D. ,dan Beck Tan, N. C. , 2001, The effect of processing variables on the morphology of electrospun nanofibers and textiles, *Polymer*, 42(1), 261–272.

Fried, J., R., 2003, *Polymer science & technology*, London: Prentice Hall.

Kim, G.-T., Hwang, Y.-J., Ahn, Y.-C., Shin, H.-S., Lee, J.-K., & Sung, C.-M., 2005,The morphology of electrospun polystyrene fibers. *Korean Journal of Chemical Engineering*, 22(1), 147–153.

Lehrstuhl, D., & Ii, T. C., 2013, Microfiltration Membranes via Electrospinning of Polyethersulfone Solutions, *Dissertasion*, Chemical Faculty, Duisburg-Essen University, Essen.

Lin,J., Ding, B., Yu, J., 2010, Direct Fabrication of Highly Nanoporous Polystyrene Fibers via Electrospinning, *ACS Appl. Mater. Interfaces*, 2 (2), 521–528.

Loi, F., H., P., 2015, Pembuatan Nanofiber Poli (Vinil Alkohol)/ Kitosan (CS) dengan Metode Elektrospinning yang Tertaut Silang dengan Glutaraldehida sebagai Membran Antibakteri, *Skripsi*, Departemen Fisika FMIPA UGM, Yogyakarta.

MacDiarmid, A.G.; Jones, W.E.; Norris, I.D.; Gao, J.; Johnson, A.T.; Pinto, N.J.; Hone, J.; Han, B.; Ko, F.K.; Okuzaki, H., 2001, Electrostatically-generated nanofibers of electronic polymers. *Synth. Met.* , 119, 27–30.

Mikrajuddin, A., & Khairurrijal., 2010, *Karakterisasi Nanomaterial: Teori, Penerapan, dan Pengolahan Data*, Bandung: CV. Rezeki Putera.

Nitanan, T., Opanasopit, P., Akkaramongkolporn, P., Rojanarata, T.,& Ngawhirunpat, T., 2011, Effects of Solution Parameters on Morphology and Diameter of Electrospun Polystyrene Nanofibers, *Advanced Materials Research*, 194-196, 629-632.

Pillay, V., Dott, C., Choonara, Y., E., Tyagi, C.,Tomar, L., Kumar, P., du Toit, L., C., and Ndesendo, V., M., K., 2012, A Review of the Effect of Processing

UNIVERSITAS
GADJAH MADA
PENGARUH KONSENTRASI LARUTAN DAN JENIS PELARUT TERHADAP MORFOLOGI FIBER STYROFOAM (EXPANDED POLYSTYRENE) HASIL ELEKTROSPINNING
AFIFAH ARSYITA A, Dr. Eng. Ahmad Kusuma Atmaja, M. Sc
Universitas Gadjah Mada, 2016 | Diunduh dari http://etd.repository.ugm.ac.id/

Variables on the Fabrication of Electrospun Nanofibers for Drug Delivery Applications, *Journal of Nanomaterials*, 2013, 22.

Ramakrishna, S., Fujihara, K., Teo, W., E., Lim, T., C., Ma, Z., 2005, An Introduction to electrospinning and nanofibers, Singapore : World Scientific Publisher.

Sayed, A. S. A. A., 2011, Electrospinning of polymeric nanofibers and nanocomposite materials: Fabrication, physicochemical characterization and medical applications, Dissertation, Faculty of Natural Science, Marthin Luther University.

Shin, C. , Chase, G. , G. , 2005, Nanofibers from recycle waste expanded polystyrene using natural solvent, *Polymer Bulletin*, 55(3), 209-215.

Shin, C. ,Chase, G. , G. ,Reneker, D., H., 2005, Recycled expanded polystyrene nanofibers applied in filter media, *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 262(1-3), 211–215.

Shin, C., 2006, Filtration application from recycled expanded polystyrene, *Journal of Colloid and Interface Science*, 302(1), 267–271.

Stevens, M. P. 2001. Kimia Polimer. Diterjemahkan oleh Iis Sopyan. Pradnya Paramita. Jakarta. 33-35.

Sulchan, M. , Nur W., E., 2007, Keamanan Pangan Kemasan Plastik dan Styrofoam, *Maj Kedokt Indon*, 57, 54-59.

Widyasari, D., 2016, Pengaruh Konsentrasi Larutan dan Komposisi Pelarut terhadap Morfologi Fiber Polystyrene Hasil Elektrospinning, *Skripsi*, Departemen Fisika FMIPA UGM, Yogyakarta.

Wijanarko, T., A., W., 2015, Efek Pemanasan pada Morfologi dan Kristalinitas Nanofiber *Poly(Vinyl Alcohol)*, *Skripsi*, Departemen Fisika FMIPA UGM, Yogyakarta.