

DAFTAR PUSTAKA

- Asy'ari, H., Jatmiko, dan Angga. (2012). Intensitas Cahaya Matahari terhadap Daya Keluaran Panel Sel Surya. *Simposium Nasional RAPI XI FT UMS*. Surakarta.
- Badan Meteorologi Klimatologi dan Geofisika, Stasiun Geofisika Kelas I Yogyakarta. (2015). Informasi Prakiraan Cuaca Harian Daerah Istimewa Yogyakarta (19 Januari sampai 01 Februari 2015). <http://www.bmkg Yogyakarta.files.wordpress.com/2015.html>. [9 Juli 2015].
- Balagurova, N., Drozdov, S., dan Grabovik, S. (1996). Cold and Heat Resistance of Five Species of *Sphagnum*. *Ann. Bot. Fennici* 33, 33-37.
- Boutet, T. S., (1987). *Controlling Air Movement : a Manual for Architect and Builder*. McGraw-Hill Book Company. New York.
- Campbell, N. A., Reece, J.B., dan Mitchell, L.G. (2000). *Biologi Edisi Kelima Jilid I*. Erlangga. Jakarta.
- Cengel, Y. A., dan Cimbala, J. M. (2010). *Fluid Mechanics: Fundamentals and Applications, 2nd Edition*. McGraw-Hill Higher Education. Nevada.
- Fandeli, C., Kaharuddin dan Mukhlison. (2004). *Perhutanan Kota*. Fakultas Kehutanan Universitas Gadjah Mada. Yogyakarta
- Farrell, P., Sun, J., Gao, M., Sun, H., Pattara, B., Zeiser, A., dan D'Amore, T. (2012). Development of a Scale-down Aerobic Fermentation Model for Scale-up in Recombinant Protein Vaccine Manufacturing. *Journal Elsevier : Vaccine* 30 (38), 5695-5698.
- Geem, K.M.V., Žajdlík, R., Reyniers, M.F., dan Marin, G.B. (2007). Dimensional Analysis for Scaling Up and Down Steam Cracking Coils. *Chemical Engineering Journal* 134 (1-3), 3-10.
- Gerontas, S., Asplund, M., Hjorth, R., dan Bracewell, D.G. (2010). Integration of Scale-down Experimentation and General Rate Modelling to Predict Manufacturing Scale Chromatographic Separations. *Journal of Chromatography A* 1217 (44), 6917-6926.
- Gino, J. E. B., de Jong, G., Marvin, P., van't Riet, K., Leo, A., van der Pol, E. C., Beuvery, J. T., dan Dirk, E. M. (2007). Scale-up for Bulk Production of Vaccine Against Meningococcal Disease. *Journal Elsevier: Vaccine* 25, 6399–6408.
- Hasan, M. dan Ariyanti, N. S. (2004). *Mengenai Bryophyta (Lumut) Taman Nasional Gunung Gede Pangrango Volume 1*. Balai Taman Nasional Gunung Gede Pangrango. Cibodas.

- Holyoak, D.T. (1993). *The Bryophytes of Corn Wall and The Isles of Scilly*. Cornish Biological Records Unit. England.
http://www.cisfbr.org.uk/bryo/cornish_bryophytes_sphagnum_squarrosum.html. [13 Mei 2015].
- Hudayana, D. (2007). *Evapotranspirasi dan Pertumbuhan Anakan Acacia crassiparpa* A. Cunn. Ex. Benth, *Paraserianthes falcataria* (L) Nielsen, *Swietenia macrophylla* King dan *Shorea selanica* BL. pada Berbagai Kadar Air Tanah. Skripsi. Fakultas Kehutanan Institut Pertanian Bogor. Bogor.
- Ihsan. (2013). Peningkatan Suhu Modul dan Daya Keluaran Panel Surya dengan Menggunakan Reflektor. *Jurnal Teknosains* 7 (2), 275-283.
- Indraningtyas, L., Ushada, M., dan Suryandono, A. (2015). Scale up of Panel Assembly for Moss Rooftop Greening Material (*Sphagnum* sp.) Using Dimensional Analysis. *Agriculture and Agricultural Science Procedia* 3, 114-120.
- Institute for Essential Services Reform (IESR). (2011). *Potensi Penurunan Emisi Indonesia Melalui Perubahan Gaya Hidup Individu (Kalkulator CO₂ Jejak Karbon)*. Jakarta.
- Johnstone, R., E., dan Thring, M., W. (1957). *Pilot Plants, Models, and Scale-up Methods in Chemical Engineering*. McGraw-Hill Book Company. United States of America.
- Juwitaningtyas, T. (2014). *Analisis Pra-komersialisasi Panel Greening Material Menggunakan Lumut*. Tesis. Fakultas Teknologi Pertanian Universitas Gadjah Mada. Yogyakarta.
- Khatod, R.G., dan Sakhale, C. N. (2012). Design and Fabrication of Liquid Dispensing Machine using Automatic Control for Engineering Industry. *International Journal of Innovative Technology and Exploring Engineering* 1 (5), 38-44.
- Kirnak, H dan Short, T.H. (2001). An Evaporation Model for Nursery Plant Grown in a Lysimeter under Field Conditions. *Turk Journal Agriculture* 25, 57-63.
- Liu, Y., Chen, J., Zhang, L., dan Cao, T. (2001). Photosynthetic Characteristics of Two *Plagiomnium* Mosses in Summer and Winter. *Journal of Application Ecology* 12(1), 39-42.
- Mangunwidjaja, D., dan Suryani, A. (1994). *Teknologi Bioproses*. PT Penebar Swadaya. Jakarta.

- Ostlund, S., dan Karenlampi, P. (2001). Structural Geometry Effect on The Size-Scaling of Strength. *International Journal of Fracture* 109, 141-151.
- Permana, A. (2014). *Korelasi Curah Hujan dengan Angin (Zonal- Meridional) di Daerah Tropis*. Institut Pertanian Bogor.
- Rahmanto, I. (2014). *Evaluasi Kinerja Greening Material (*Sphagnum* sp.) Menggunakan Metode Taguchi untuk Atap Bangunan*. Skripsi. Fakultas Teknologi Pertanian Universitas Gadjah Mada. Yogyakarta.
- Razi, N., Svendsen, H.F., dan Bolland, O. (2013). Validation of Mass Transfer Correlations for CO₂ Absorption with MEA using Pilot Data. *International Journal of Greenhouse Gas Control* 19, 478–491.
- Saffuana, R., J. Ariffina., Z. Amin. (2012). Planning Park for Liveable Cities: Green Technology Design: Practice for Tasik Biru Kundang, Kuang, Selangor, Malaysia. *Procedia - Social and Behavioral Sciences* 35, 705–712.
- Sastre, R.R., Csogor, Z., Nohta, I.P., Schneider, P.F. dan Posten, C. (2007). Scale-down of Microalgae Cultivations in Tubular Photo-bioreactors : A Conceptual Approach. *Journal of Biotechnology* 132 (2), 127-133.
- Scott, D.D., Bowser, T.J., dan McGlynn, W.G. (2007). *Scaling Up Your Food Process*. FACT Oklahoma State University. Oklahoma.
- Shieh, Y.J. (1977). Effect of Planting Density on Community Photosynthesis and on Yielding Components of Rice Plants. *Botanical Bulletin of Academia Sinica* 18, 153-167.
- Sitompul, J.P., Lee, H.W., Kim, Y.C., dan Chang, M. W. (2013). A Scaling-up Synthesis from Laboratory Scale to Pilot Scale and to Near Commercial Scale for Paste-Glue Production. *Journal of Engineering Technology Science* 45 (1), 9-24.
- Soininen, K.n dan Nyberg, H. (1991). Effects of Temperature and Light on The Glycolipids of *Sphagnum fimbriatum*. *Phytochemistry* 30, 2529-2536.
- Southern Illinois University Carbondale. <http://www.bryophytes.plant.sie.edu>. [13 Mei 2015].
- Stocks, S.M. (2013). Industrial Enzyme Production for The Food and Beverage Industries: Process Scale Up and Scale Down. *Microbial Production of Food Ingredients, Enzymes and Nutraceuticals*, 144-172.
- Suedy, S.W.A. (2001). *Morfologi dan Fisiologi *Sphagnum cusdiantum* Ehrh. yang Tumbuh di Sekitar Kawah Dataran Tinggi Dieng*. Program Pascasarjana Universitas Gadjah Mada. Yogyakarta.

- Sujarweni, V.W. (2014). *SPSS untuk Penelitian*. Pustaka Baru Press. Yogyakarta.
- Sunaryanto, N. (2014). *Scale Up Proses Produksi Greening Material Lumut (*Sphagnum* sp.) menggunakan Metode Analisis Dimensional*. Skripsi. Fakultas Teknologi Pertanian Universitas Gadjah Mada. Yogyakarta.
- Tauhid. (2008). *Kajian Jarak Jangkauan Efek Vegetasi Pohon Terhadap Suhu Udara pada Siang Hari di Perkotaan*. Tesis. Program Studi Ilmu Lingkungan Universitas Diponegoro. Semarang.
- Tjasyono H.K.B. (2004). *Klimatologi Terapan*. Pionir Jaya. Bandung.
- Tjitrosoepomo, G. (2001). *Taksonomi Tumbuhan*. Gadjah Mada University Press. Yogyakarta.
- Trismidianto, E. Hermawan, T. Samiaji, Martono, M. Hadi, A. Indrawati dan R. Hamdan. (2009). *Studi Penentuan Konsentrasi CO₂ dan Gas Rumah Kaca (GRK) Lainnya di Wilayah Indonesia*. [http://www.dirgantara-lapan.or.id/moklim/exsumary/Studi%20Penentuan%20Konsentrasi%20CO₂%20dan%20Gas%20Rumah%20Kaca%20Lainnya%20di%20Wliayah%20Indonesia.pdf](http://www.dirgantara-lapan.or.id/moklim/exsumary/Studi%20Penentuan%20Konsentrasi%20CO2%20dan%20Gas%20Rumah%20Kaca%20Lainnya%20di%20Wliayah%20Indonesia.pdf). [15 Maret 2015].
- Ushada, M., Murase, H., dan Fukuda, H. (2007). Non-destructive Sensing and Its Inverse Model for Canopy Parameters using Texture Analysis and Artificial Neural Network. *Computers and Electronics in Agriculture* (Impact Factor: 1.273) 57(2), 149-165.
- Ushada, M., dan Murase, H. (2009). An Intelligent Watchdog Model for Quality Control of an Affective Bio-greening Material. *Environment Control in Biology* 47(3), 145-156.
- Ushada, M., Falah, M. A. F., Wicaksono, A., dan Murase, H. (2011). Development of Moss Greening Material for Merapi Disaster Prone Area. *CIGR International Symposium on "Sustainable Bioproduction, Water, Energy, and Food"*, September 19-23, 2011, Tokyo Japan.
- Ushada, M., Wicaksono, A., dan Murase, H. (2012). Design of Moss Greening Material for Merapi Disaster Prone Area using Kansei Engineering. *Engineering in Agriculture, Environment and Food* 5(4), 140-145.
- Ushada, M., Suryandono, A., Falah, M.A.F., Khuriyati, N., Wicaksono, A., dan Murase, H. (2013a). Performance Evaluation of Moss Rooftop Greening Prototype in a Confined Space. *Engineering in Agriculture, Environment and Food*. In Press.
- Ushada, M., Bachtiar, W. F., Wicaksono, A., dan Murase, H. (2013b). Scale-up of Production System Prior to Commercial Moss (*Sphagnum* sp) Rooftop

Greening Material. *Proceeding of ISABE 2013*, Paper #D17.

Ushada, M., Suryandono, Wicaksono, A., dan Murase, H. (2015). Quality Evaluation for Scale-up of Moss (*Sphagnum* sp) Rooftop Greening Panel using Taguchi Method. *Engineering in Agriculture, Environment and Food*. In Press.

White, Frank.M. (1994). *Fluid Mechanics: Second Edition*. McGraw-Hill Ltd.

Wicaksono, A.S. (2010). *Perlakuan Naungan Vegetatif terhadap Intensitas Radiasi Matahari, Kecepatan Angin, dan Kelembaban Udara pada Tanaman Kopi*. Skripsi. Fakultas Teknologi Pertanian Universitas Jember.

Yamada, N., dan Haraguchi, A. (2011). Temperature Dependency of Photosynthesis of *Sphagnum* sp. Distributed in the Warm-Temperate and the Cool-Temperate Mires of Japan. *American Journal of Plant Sciences* 2, 716-725.