

DAFTAR PUSTAKA

- Adinugraha, M.P., 2004. Sintesis dan Karakterisasi Sodium Karboksimetilsellulosa dari Selulosa Batang Semu Pisang Cavendish (*Musa cavendishii* LAMBAERT ex PATON). Tesis Pasca Sarjana Universitas Gajah Mada, Yogyakarta.
- Anonim, 2011. <http://www.pertanian.go.id/Indikator/tabel-3-prod-lsareal-prodvtas-bun.pdf>. Diakses pada tanggal 3 oktober 2015.
- Anonim. 2012. *Manual Of Method Of Analysis Of Food Spices And Condiments*. Food Safety and Standards Authority of India Ministry of Health and Family Welfare Government of India New Delhi.
- Biswas, Atanu ; Janet L. Berfield, Badal C. Saha and H.N Cheng, 2013. *Conversion of Agriculture By-Product to Methyl Cellulose*. Industrial Crops and Products 46:297-300
- Bonderud, D (2011). What Is Hydroxypropyl Methyl Cellulose?. Retrieved on December 13th, 2011 from <http://www.wisegeek.com/what-is-hydroxypropylmethyl-cellulose.htm>
- Browning B.L., 1967. *Methodes Of Wood Chwmistry*. Volii Interscience Publisher A Division Of John Wiley And Sons Newyork : USA
- Burdock, G.A., 2007. Review : Safety Assessment of Hydroxy Propyl Methyl Cellulose As a Food Ingredient. Food and Chemical Toxicology. 45 : 2341-2351.
- Cicilia, S. 2013. *Isolasi Selulosa dan Sintesis Carbocymethyl Cellulose dari Tangkai Enceng Gondok (Eichornia Crassipes Solm)*. Thesis. Program pasca sarjana UGM. Yogyakarta
- Coates, J. 2006. Interpretation of infrared spectra, a practical approach. In encyclopedia of analytical chemistry. John wiley and Sons, Ltd.
- Coffey, D. G., D. A. Bell and A. Henderson.1995. *Cellulose and Cellulose Derivatives* In : Stephen, A. M. (editor). Food Polysaccharides and Their Applications. Marcel Dekker, Inc. New York. pp. 123-154.
- Dam, Jan E.G Van, Martien J.A. Van Den Oever, Edwin, R.P.Keijsers, Jacintha C. Van Der Puttern, Cristina Anayron, Fidel Josol And Aurora Peralta, 2006. *Process For Production Of High Density/High Performance Binderless*

Boards From Whole Coconut Husk. Part 2 : Coconuthusk Morfology, Composition And Properties. Industrial Crops And Products 24:96-104

Durgin, A.G., 1957. The Alkaline Process. In : Calkin, J.B. dan G.S. Withman (editor) *Modern Pulp Paper Making*. 3ed. Reinhold Publishing Corp. New York, USA.

E-book *Carbohydrate-Based Polymer Building Blocks And Biopolymer. Cellulose and Polyoses/Hemicellulose*. Science direct

Fang, J.M., R.C. Sun dan J. Tomkinson. 2000. Isolation and characterization hemicellulose and cellulose from rye straw alkalin peroxide extraction. *Cellulose* 7:87-107.

Fengel, D dan G. Wegener, 1995. *Kayu : Kimia Ultrastruktur, Reaksi-Reaksi*. Ied. Gadjah Mada University Press. Yogyakarta.

George A., B. (2007). Safety assessment of hydroxypropyl methylcellulose as a food ingredient. *Food and Chemical Toxicology*, 45(12), 2341-2351. doi:10.1016/j.fct.2007.07.011

Gómez-Carracedo, A., Alvarez-Lorenzo, C., Gómez-Amoza, J. L., & Concheiro, A. (2004). Glass transitions and viscoelastic properties of carbopol® and noveon® compacts. *International Journal of Pharmaceutics*, 274(1–2), 233-243. doi:10.1016/j.ijpharm.2004.01.023

Gómez-Carracedo, A., Alvarez-Lorenzo, C., Gómez-Amoza, J. L., & Concheiro, A. (2004). Glass transitions and viscoelastic properties of carbopol® and noveon® compacts. *International Journal of Pharmaceutics*, 274(1–2), 233-243. doi:10.1016/j.ijpharm.2004.01.023

Greener, I. K., & Fennema, O. (1989). Barrier properties and surface characteristics of edible, bilayer films. *Journal of Food Science*, 54(6), 1393- 1399. doi:10.1111/j.1365-2621.1989.tb05120.x

Gustafsson, Christina, Maria Cristina Bonferoni, Carla Caramella, Helena Lennholm, Chrter Nystrom, 1999. Characterisation of particle properties and compaction behavior of hydroxypropyl methylcellulose with different degrees of methpxy/hydroxypropyl substitution. *European Journal of Pharmaceutical Science* 9:171-184

- Haryanti, P., 2009. Sintesis dan Karakterisasi Hydroxypropylcellulose Dari Tandan Kosong Kelapa Sawit Serta Aplikasinya Sebagai Pengental Saos Tomat. Tesis Pasca Sarjana Universitas Gajah Mada, Yogyakarta.
- Heinze, T. and T Liebert, 2012. *Carbohydrate-Based Polymer Building Blocks and Biopolymers. elluloses and polyoses/Hemicelluloses*. Polymer Science: A Comprehensive Reference, Volume 10
- Heinze, T. dan K. Pfeiffer, 1999. Studies on the Sythesis and Characterization of carboxymethyl Cellulose. *Die Angewandte Makromolekulare Chemi*, 266:37-45.
- Heinze, T., U. Erler, I. Nehls dan D. Klemm. 1994. Determination of the substituent pattern of heterogenously cellulose by using high-performance liquid chromatography. *Die Angewandte Makromolekulare Chemie*. 215: 99-106.
- Heinze, U.T.E., J. Schaller, T. Heinze, S. Horne, B. Saake dan J. Pulse. 2000. Characterization of regioselectively funcionalized 2,3-O-carboxymethyl cellulose by enzymatic and chemical methods. *Cellulose*. 7:161-175.
- <http://pphp.deptan.go.id/xplore/view.php?file=PENGOLAHAN-HASIL/BioEnergi-Lingkungan/BioEnergiPerdesaan/PROFIL%20INVESTASI%20BIOENERGI/PROFIL%20KELAPA%20FINAL.pdf>
- Hutomo, G. S. 2012. *Sintesis dan karakterisasi turunan selulosa pod husk kakao (Theobroma cacao L.)*. Disertasi. Program pasca sarjana UGM. Yogyakarta.
- Hypromellose. (2012). In Wikipedia, The Free Encyclopedia. Retrieved on January 8,2012,from <http://en.wikipedia.org/w/index.php?title=Hypromellose&oldid=470209573>
- Imeson, A. 2010. Food stabilizer, thickeners and gelling agent. Willey blackwell. United kingdom.
- Kirk-Othmer.Encyclopedia of Chemical Technology,. (1993).
- Kopecek, J. (2007). Hydrogel biomaterials: A smart future? *Biomaterials*, 28(34), 5185-5192. doi:10.1016/j.biomaterials.2007.07.044
- Krochta, J. M., Baldwin, E. A., & Nisperos-Carriedo, M. O. (1994). Edible coatings and films to improve food quality.

- Larsson, M., Viridén, A., Stading, M., & Larsson, A. (2010). The influence of HPMC substitution pattern on solid-state properties. *Carbohydrate Polymers*, 82(4), 1074-1081. doi:10.1016/j.carbpol.2010.06.030
- Liu, C.F. and Sun, R.C. 2010. *Chapter 5 – Cellulose*. Cereal Straw as a Resource for Sustainable Biomaterials and Biofuels. Pages 131 – 167.
- Melvin S. Drozen, & Devon Wm.Hill. (2006). US Food and Drug Administration-Hydroxypropyl Methylcellulose (HPMC) As Being Generally Recognized As Safe. Retrived on December 15th, http://www.accessdata.fda.gov/scripts/fcn/gras_notices/grn000213.pdf
- Milda E. Embuscad. (2009). Edible films and coatings for food applications
- Murray, J.C.F., 2009. *Hanbook of hydrocolloid 2nd Edition*. CRC Press, Boca Raton Boston New York, Washington DC
- Nasatto, Pauline L., Frederic Pignon, Joana L.M. Silveira, Maria Eugenia R., Duarte Miguel D. Nosedá and Marguerite Rinaudo, Review, 2015. *Polymer* 7:777-803
- Olaru, N., Olaru, L., Stoleriu, A., and Timpu, D. 1998. *Carboxymethylcellulose synthesis in organic media containing ethanol and/or acetone*. *Journal of applied polymer science*. Vol. 67, 481-486.
- Pushpamalar, V., S.J. Langford, M. Ahmad, dan Y.Y. Lim, 2006. Optimization of Reaction Conditions for Preparing Carboxymethyl Cellulose from Sago Waste. *Carbohydrate Polymers*. 64 : 312-318.
- Ramos L.A, E. Frollini And Th Heinze, 2005. *Carboxy Methylation Of Celulose In The New Solvent Dimethyl Sulfoxide/Tetrabutylammonium Flouride*. *Carbohydrat Polymer* 60 259-267
- Rosa, M.F., E.S. Medeiros, J.A.Malmonge, K.S. Gregorski, D.F. Wood, L.H.C Mattoso, G.Glenn, W.J. Orts, and S.H.Imam, 2010. *Cellulose nanowhisiker from coconut husk fiber:Effect of Preparation condition on their thermal and morphological behavior*. *Carbohydrate polymer* 81:83-92
- Salmen, L., & Back, E. (1977). The influence of water on the glass transition temperature of cellulose. *Tappi*, 60(12), 137.

- Samsung fine chemicals co. ltd. - SFC anycoat-C. Retrieved December, 13th, 2011 from http://sfcsamsung.en.ec21.com/SFC_Anycoat_C--3892804_3893443.html
- Sana, Asrar, 2012. Development and characterization of shellac-hydroxy propyl methyl cellulose composite film with acid catalyst, Thesis. Clemson University.
- Srakar, N. 1995. Kinetics of thermal gelation of methylcellulose and hydroxypropylmethylcellulose in aqueous solutions. *Carbohydrate Polymers*. 26:195-203.
- Togrul, H. dan N. Arslan, 2003. Production of Carboxymethyl Cellulose from Sugar Beet Pulp Cellulose and Rheological Behaviour of Carboxymethyl Cellulose. *Carbohydrate Polymers*. 54 : 73-82.
- Togrul, H. dan N. Arslan, 2004. Carboxymethyl cellulose from sugar beet pulp cellulose as a hydrophylic polymer in coating of mandarin. *Food Engineering*. 62: 271-279.
- Togrul, H. dan N. Arslan, 2004. Extending Shelf-Life of Peach and Pear by Using CMC From Sugar Beet Pulp Cellulose as a Hydrophylic Polymer in Emulsions. *Food Hydrocolloids* 18 : 215-226.
- Tri Haryanto dan Dwi Suheryanto, 2004. Pemisahan Sabut Kelapa Menjadi Serat Kelapa Dengan Alat Pengolah (Defibring Machine) Untuk *Usaha Kecil*. Prosiding Seminar Nasional Rekayasa Kimia Dan Proses 2004 Issn : 1411 - 4216
- Tyas, S.I.S, 2000. Study netralisasi limbah serbuk sabut kelapa (*cocopeat*) sebagai bahan media tanam, skripsi. Fakultas Teknologi Pertanian, Institut Pertanian Bogor.
- Varshney, V.K., Gupta, P.K., Naithani, S., Ritu, K., Amit, B., and Soni, P.L., 2006. Carboxymethylation of α -cellulose isolated from *Lantana camara* with respect to degree of substitution and rheological behavior. *Carbohydrate Polymers*, 63, pp. 40-45.
- Viera, Rose G.P., 2007. *Synthesis and Characterization of Methylcellulose from Sugar Cane Baggase Cellulose*. *Carbohydrat Polymers* 67:182-189



- Viera, R.G.P., G.R. Filho., R.M.N. Assungcao, C. Da S Meireles, J.G. Vieira dan G.S. de Oliveira. 2007. *Synthesis and characterization of methylcellulose from sugar cane bagasse cellulose*. Carbohydrate Polimers..67 : 182-189
- Wang, L., Dong, W. and Xu, Y., 2007. Synthesis and characterization of hydroxypropyl methylcellulose and ethyl acrylate graft copolymer. Carbohydrate Polymers, 68(4), 626-636.
- Ye, Daiyong and Xavier Farriol, 2007. *Preparation And Characterization Of Methylcellulose From Some Annual Plants Pulp*. Industrial Crops and Products 26:54-62
- Ye, Daiyong, Daniel Montane and Xavier Farriol, 2007. *Preparation and Characterization Of Methylcelluloses From Miscanthus Sinensis*.
- Yokota, H. 1985. *The mechanical of cellulose alkalization in the isopropyl alcohol-water-sodium hydroxide-cellulose system*. Journal of applied polymer science. Vol. 30, 263-277.