

DAFTAR PUSTAKA

- Ade R. V. 2015 Sinergisme Pati Biji Nangka Dan Kitosan Terhadap Karakteristik Biopolimer Yang Dihasilkan. Universitas Muhammadiyah Yogyakarta. Yogyakarta
- Amna I . 2012 . Etanol Gel. <http://amna-ika.blogspot.co.id/2012/03/etanol-gel.html> . Diakses tanggal 7 November 2014.
- Ani P. 2010. Analisis kuat tarik dan elongasi plastik kitosan terplastisasi sorbitol. Institut sains dan teknologi AKPRIND. Yogyakarta
- Arief.2013. *Effect of Temperature and Drying Duration toward Psychochemical Characteristic of Biodegradable Plastic from Starch Composite of Aloe vera–Chitosan*:Universitas Brawijaya
- Benning CJ. 1983. Plastics film for packaging Lancaster. Pennsylvania: Technomic Publishing Company, Inc.
- Bertuzzi, M.A., E.F.C. Vidaurre, M. Armada dan J.O Gottifredi. 2007. *Water Vapor Permeability Of Edible Starch Based Films*. J. Food Engineering.80 : 972-978 doi : 10.1016/J.J Foodeng. 2006.07.016
- Beti C. A. 2008. Pengembangan *Edible Film* Kitosan Denga Penambahan Asam Lemak Dan Esensial *Oil*: Upaya Perbaikan Sifat *Barrier* Dan Aktivitas Antimikroba. Fakultas Teknologi Pertanian, Institut Pertanian Bogor. Bogor
- Betty , I. H., Neni, D dan Endar P. 2015. Pembuatan Biodegradable Film dari Pati Biji Nangka (*Artocarpus heterophyllus*) dengan Penambahan Kitosan. Prosiding Seminar Nasional Teknik Kimia “Kejuangan” Pengembangan Teknologi Kimia untuk Pengolahan Sumber Daya Alam Indonesia Yogyakarta. Yogyakarta
- Caner, C. , Vergano, P.J., and Wiles, J.L., 1998, Chitosan Film Mechanical and Permeation Properties as Affected by Acid, Plasticizer, and Storage, *Journal of Food Science*, Vol. 63, No. 6, 1049 – 1053.
- Charley, H. 1970. *Food Science*. John Wiley and Sons, New York.
- Chen, C. H, W. S. Kuo, and L. S. Lai. 2009. Effect of surfactants on water barrier and physical properties of tapioca starch/decolorized hsian-tsoo leaf gum films. *Food Hydrocolloids* 23 (3): 714-721.
- Darni Y. dan Herti Utami. 2010. Studi Pembuatan dan Karakteristik Sifat Mekanik dan Hidrofobisitas Bioplastik dari Pati Sorgum. *Jurnal Rekayasa Kimia dan Lingkungan*, 7(4): 88-93.

- Damat. 2008. Efek jenis dan konsentrasi *plasticizer* terhadap karakteristik *edible film* dari pati garut butirat. *Agritek* 16(3):333-339.
- Dow Chemical Company (1998) *The Specifier's Guide to Buying and Applying Ethanolamines*, Midland, MI
- Dow Chemical Company (1999) *Sales Specification: Triethanolamine*, Midland, MI
- Endang E, Juanda S dan Titi C.S. 2015. Evaluasi Sifat Fisis-Mekanis Dan Permeabilitas Film Berbahan Kitosan. Fakultas Teknologi Pertanian IPB. Bogor. *J. Tek. Ind. Pert. Vol. 21 (3), 139-145*
- Fasihuddin, B. A dan Peter, A. W. (1998). *Rheological properties of sago starch. Journal of Agricultural dan Food Chemistry*.46:4060–4065
- Flin R.A. and P.K. Trojan. 1975. *Engineering Materials and Their Applications*. HonhTonMifflinCo.Boston.
- Food and Drug Administration (1999) *Food and drugs. US Code Fed. Regul., Title 21, Parts 175.105, 176.170, 176.180, pp. 138–165, 186–211*
- Garcia, N. L., L. Ribbon, A. Dufresne, M. Arangureb, and S. Goyanes. 2011. *Effect of glycerol on the morphology of nano compisites made from thermoplastic starch and starch nanocrystals. Carbohydrate polymers* 84(1) : 203-210.
- Gould J M, S H Gordon, L B Dexter, and C L Swanson. 1990. *Biodegradation of Starch Containing Plastic*. In : J E Glass and G Swift (ed.). *Agriculture and Synthetic Polymer Biodegradability and Utilization*. New York, American Chemical Society.
- Griffin, G.J.L. Chapman and Hall. 1994. *Chemistry and technology of biodegradable polymer*. Blackie Academic and Proffesional.
- Haryadi. 1992. *Laporan Penelitian Mie Kering dari Berbagai Pati*. UGM. Yogyakarta.
- Kester, J. J dan Fennema, O. R. 1986. *Food Technol.*, 40, 47-59.
- Kim, S. H., No, H. K., Kim, S. D., dan Prinyawiwatkul, W. 2006. Effect of plasticizer concentration and solvent types on shelf-life of eggs coated with chitosan. *J. Food. Sci.*7(4): S349-S353.
- Knight, J.W. 1969. *The Starch Industry*. Pergamon Press. Oxford.

- Krochta, J.M. 1992. *Control of mass transfer in foods with edible-coatings and films*. p.517-538, IN: R. Paul Singh and M.A.Wirakartakusumah (eds.), *Advances in Food Engineering*, CRC Press, Boca Raton, Florida.
- Krochta JM, Johnston CDM. 1997. Edible an biodegradabel biopolimers: challenges and opportunities. *Food Technology*.51:61-74.
- Lide, D.R. and Milne, G.W.A. (1996) *Properties of Organic Compounds*, Version 5.0, Boca Raton, FL, CRC Press [CD-ROM]
- Liu. Z. dan J. H Han. 2005. Biopolimer Forming Characteristics of Starches. *J. Food Science*. 70(1):E31-E36.
- Lubrizol. 2001. *Toxicology / Regulatory / Health, Safety & Environmental Studies Of Powdered Carbopol® Polymers*. The Lubrizol Corporation. USA
- Lubrizol. 2011. *Toxicity of Carbopol® Polymers As A Class*. The Lubrizol Corporation. USA
- Mc Hugh, T. H dan J. M. Krochta, 1994. Permeability Properties of Edible Film, dalam Krochta, J. M. , E. A. Baldwin dan M.O. Nisperos – Carriedo (Eds), *Edible Coating and Film to Improve Food Quality*, Technomic Publ. Co. Inc. , Lancaster, Basel
- Mellan, I. 1950. *Industrial Solvent*. Reinhold Publishing Cooperation. New York.
- Miskiyah.,Wiandingrum dan Cristina. W. 2011. Teknologi Produksi Dan Aplikasi Pengemas *Edible* Antimikroba Berbasis Pati. *Balai Besar Penelitian and Pengembangan Pascapanen Pertanian*. Bogor. 31(3):89-93
- Nafi A. U., Chandra K. S. dan Indira P. 2013. *Synergism Between Sago Starch And Chitosan To Enhance Characteristics Of Edible Film*. Universitas Muhammadiyah Yogyakarta. Yogyakarta
- National Toxicologi Program. 1999. *Toxicology And Carcinogenesis Studies Of Triethanolamine*. U.S.Department Of Health And Human Services. Newyork City.102-71-6.
- Noveon. 2002. *Neutralizing carbopol® and Pemulen® Polymers in Aqueous and Hydroalcoholic Systems*. Noveon Inc. Ohio
- Pamilia C, Linda L dan Mardiyah R. A. 2014. Pembuatan Film Plastik Biodegradabel Dari Pati Jagung Dengan Penambahan Kitosan Dan Pemplastis Gliserol. Jurusan Teknik Kimia Fakultas Teknik Universitas Sriwijaya. Palembang, *Jurnal Teknik Kimia* 20 (4)

- Petersen, K., Nielsen P.V., Bertelsen, G., Lawther, M., Olsen M.B., Nilson N.H., and Mortensen, G., 1999. Potential of biobased materials for food packaging. *Trends in food science and technology*, 10, 52-68
- Pomeranz Y dan Meloan CE. 1994. *Food Analysis: Theory and Practice*. Chapman and Hall, New York
- Pranamuda H. 2001. Pengembangan bahan plastik *biodegradable* berbahan baku pati tropis. Seminar on-air "Bioteknologi untuk Indonesia abad 21". Sinergi Forum PPI Tokyo Institute of Technology.
- Rowe, R.C dkk, 2003, *Handbook of Pharmaceutical Excipient*, 4th ed, Pharmaceutical Press, Washington, DC. 219-221.
- Setiani. W. Sudiarti. T. Rahmidar. L. 2013. Preparasi dan karakterisasi *edible film* dari poliblend pati sukun-kitosan. *Jurnal teknosains pangan*. 3(2): 100-109.
- Steven E. S dan Mark D. P. 2003. *Tensile strength Measurements On Biopolymer Films*. Department of Chemistry, State University of New York. NY. *Journal of Chemical Education*
- Suharwadji Sentana. 2005. Peranan Biopolimer Dalam Menunjang Industri Pangan Ramah Lingkungan. Pusat Penelitian Fisika-LIPI. Bandung. ISSN 1410-8720
- Sutiani, A. 1997. Biodegradasi Polyblend Polistiren-Pati. Tesis Magister Bidang Khusus Kimia Fisik. Program Studi Kimia Program Pasca Sarjana ITB, Bandung.
- Syarief, Rizal; Sasya Sentausa; St Isyana. 1989. *Teknologi Pengemasan Pangan*. Pusat Antar Universitas Pangan and Gizi. Bogor.
- Waryat., M. Romli., Ani, S., Indah, Y. dan S. Johan A. N. 2013. Karakteristik Mekanik, Permeabilitas Dan Biodegradabilitas Plastik Biodegradable Berbahan Baku Komposit Pati Termoplastik-Lldpe. *Jurnal Teknologi Industri Pertanian*. BPTP Jakarta. 23 (2):153-163
- Winarno, F. G., 1991. *Kimia Pangan dan Gizi*. PT Gramedia Pustaka Utama, Jakarta.
- Wong. D.W.S., W.M. Camirand and A.E. Paulath. 1994. *Development of Edible Coating for Minimally Processed Fruit and Vegetables*. di dalam : Krochta dkk. (ed). *Edible Coatings and Films to Improve Food Quality*. Technomic Publ Co. Inc. Lancaster-Basel. Pennsylvania, USA
- Xu, X. Y.; Kim, K. M.; Hanna, M. A.; Nag, D. Ind. *Crop. Prod.* 2005, 21, 185-192

Yuniarti. L. I., Gatot. S. H., and Abdul R. 2014. Sintesis dan Karakterisasi Bioplastik Berbasis Pati Sagu (*Metroxylon* sp). Univ. Tadulako. Palu. 2(1): 36-46