



DAFTAR PUSTAKA

- Abdelfadeel, H.F.A., 2012, Extraction and Characterization of Gelatin from Melon Bug (*Aspongubus viduatus*) and Sorghum Bug (*Agonoscelis pubescens*) for Application in to Ice Cream Making. *Thesis*, Sudan Univ. Sci. Techn. Khartoum, Sudan.
- Anggraeni, F.D., 2011, Karakteristik Edible Film dan Kapsul Berbahan Dasar Pati Sagu dengan Penambahan Gliserol dan Karaginan, *Tesis*, Program Pascasarjana UGM, Yogyakarta.
- Ansel, H.C., 2005, *Pengantar Bentuk Sediaan Farmasi*, Edisi 4, UI Press, Jakarta.
- Bae, H.J., Cha, D.S., Whiteside, W.S., and Park, H.J., 2008, Film and pharmaceutical formation properties of mungbean, waterchesnut, and sweet potato starches. *J. Food Chem.*, 1, 96-105.
- Budiati, T., 2003, Peran Gugus-Gugus Fungsi Asam Anakardat Pada Proses Hambatan Aktivitas Enzim Sulhidril, *Disertasi*, Universitas Airlangga, Surabaya.
- Choi, W.S. and Han, J.H., 2001, Physical and Mechanical Properties of Pea-Protein-Based Edible Films. *J. Food Sci.*, 66(2), 319-322
- Distantina, S., Fadilah, Danarto, Y.C., Wiratni, dan Fahrurozzi, M., 2008, Efek Bahan Kimia pada Tahap Presipitasi terhadap Rendemen dan Sifat Karaginan dari Rumput Laut *Kappaphycus alvarezii*, *Prosiding Simposium Nasional RAPI VII*, Desember 2008, Surakarta.
- Donhowe, G. and Fennema, O., 1994, *Edible film and coatings: characteristic, formation, definition and testing methods*. Tecnominc Publishing, Pennsylvania.
- Dorwald, F.Z., 2005, *Side Reaction in Organic Synthesis: A guide to Successful Synthesis Design*, Wiley-VCH, Weinheim.
- Fernandez-Diaz, M.D., Montero, P., and Gomez-Guillen, M.C., 2001. Gel Properties of Collagens from Skin of Cod (*Gadus morhua*) and Hake (*Merluccius merluccius*) and their Modification by The Coenhancers Manesium Sulphate, Glycerol and Transglutaminase. *J. Food Chem.*, 74, 161 – 167.
- Fessenden, R.J. and Fessenden, J.S., 1995, *Organic Chemistry*, 4th edition, Books/Cole Publishing Company, California.
- Gennadios, A. and Weller, C.L., 1990, Edible Film Coatings from Wheat and Corn Protein, *J. Food Tech.*, 44(10), 63-68.



- Gilleland, G.M., Turner, J.L., Patton, P.A., and Harrison, M.D., 2002, *Modified Starch as a Replacement for Gelatin in Soft Gel Films and Capsules*, International Patent Number, US6375981 B1.
- Giménez, B., Turnay, J., Lizarbe, M.A., Montero, P., and Gómez-Guillén, M.C., 2005, Use of Lactic Acid for Extraction of Fish Skin Gelatin, *J. Food Hydrocoll.*, 19, 941-950.
- Glicksman, M., 1983, *Seaweeds Extracts (Agar, Carrageenan, Furcellaran) In Food hydrocolloids*, CRC Press, Florida.
- Gontard, N., Duchez, C., Cuq, J.L., and Guibert, S., 1994, Edible Composite Films of Wheat Gluten and Lipids: Water Vapour Permeability and Other Physical Properties, *Int. J. Food Sci. Tech.*, 29, 39-50.
- Handito, D., 2004, Karakterisasi Edible Film Karagenan dari Rumput Laut *Eucheuma cottonii* Pulau Lombok, *Tesis*, Program Pascasarjana UGM, Yogyakarta.
- Hoefler, A.C., 2001, *Introduction to Food Gums: chemistry, functionality, and applications*, Hercules Incorporated, Wilmington.
- Howard, L.R. and Dewi, T., 1995, Sensory, Microbiological and Chemical Quality of Mini-Peeled Carrots as Affected by Edible Coating Treatment, *J. Food Sci.*, 60(1),142-144
- Indryani, D., 2010, Pengaruh Penambahan Gugus Metoksi Pada Sintesis turunan N¹-fenil-2-metoksibenzohidrazida dari Asam Salisilat, *Skripsi*, Fakultas Farmasi Universitas Katolik Widya Mandala, Surabaya.
- Irawan, S.S. dan Widjanarko, S.B., 2013, Metilasi pada Tepung Porang (*Amorphophallus muelleri*) Menggunakan Pereaksi Dimetil Sulfat berbagai Variasi Konsentrasi, *J. Pangan dan Agroindustri*, 1(1), 148-156.
- Karim, A.A. and Bhat, R., 2008, Fish Gelatin: properties, challenges, and Prospects as an alternative to mammalian gelatins, *Food Hydrocoll.*, 23, 563-576.
- Krochta, J.M., Baldwin, E.A., and Nisperos, C.M., 1994, *Edible Coatings and Film to improve food quality*, Tecomic Publishing, Pennsylvania.
- Krochta, J.M. and Mulder-Johnston, C., 1997, Edible and Biodegradable Polymer Film: Challenges and Opportunities, *J. Food Tech.*, 51(2), 61-74.
- Ladislaus, M., Kasankala, Y.X., Weilong, Y., Sun, D., and Hong, Q., 2007, Optimization of Gelatin Extraction from Grass Carp (*Catenopharyngodon Idella*) Fish Skin by Response Surface Methodology, *Biores. Techn.*, 98, 3338-3343.



- McHugh, T.H., Avena, B.R., and Krochta, J.M., 1993, Hydrophilic Edible films: Modified Procedure for Water vapor permeability and Explanation of Thickness Effects, *J. Food Sci.*, 58(4), 899-903.
- Morrison, N.A., Clark, R.C., Chen, Y.L., Talashek, T., Sworn, G., 1999, *Physical Chemistry and Industrial Application of Gellan Gum*, 114, Springer-Verlag, Berlin.
- Morrison, R.P. and Boyd, R.N., 2002, *Organic Chemistry*, 6th edition, Prentice Hall of India, New Delhi.
- Park, J.W., Testin, R.F., Park, H.J., Vergano, V.J., and Weller, C.L., 1994, Fatty Acid Concentration Effect on Tensile Strength, Elongation, and Water Vapor Permeability of Laminated Edible Films, *J. Food Sci.*, 59(4), 916-919
- Park, S.Y., Lee, B.I., Jung, St., and Park, H.J., 2001, Biopolymer Composite Films Based on κ -Carrageenan and Chitosan, *Materials Research Bulletin*. 36, 511-519.
- Peranginangin, R., Sinurat, E., dan Darmawan, M., 2013, *Memproduksi Karaginan dari Rumpun Laut*, Penebar Swadaya, Cibubur.
- Phillips, G.O. and Williams, P.A., 2000, *Handbook of Hydrocolloids*, CRC Press, Cambridge, London.
- Polnaya, F.J., 2005, Modifikasi Ganda Pati Sagu Hidroksipropil-Asetil untuk Pembuatan *Edible Film*, *Tesis*, Sekolah Pascasarjana UGM, Yogyakarta
- Ravindra, B.D., Archana, D.K., Vandana K.M., and Manisha H.J., 2012, Advancement in Manufacturing of Non-Gelatin Capsule Shell, *Int. J. Pharm. Res.*, 3, 1178-1187.
- Rhim, W.J., Wu Y., Weller, C.L., and Schnept, M., 1999, Physical Characteristics of a Composite Film of Soy Protein Isolate and Propyleneglycol Alginate. *J. Food Sci.*, 64, 149-152.
- Sadar, L.N., 2004, Rheological and Textural Characteristics of Copolymerized Hydrocolloidal Solutions Containing Curdlan Gum, *Thesis*, Department of Nutrition and Food Science, University of Maryland, College Park.
- Said, M.I., 2011, Optimasi Proses Produksi Gelatin Kulit Kambung Sebagai Bahan Baku Edible Film untuk Bahan Pengemas Obat (Kapsul), *Disertasi*, Program Pascasarjana FPT UGM, Yogyakarta.
- Souhoka, F.A., 2013, Metilasi Green Selulosa Menggunakan Dimetil Karbonat (DMC) dengan Teknik Gelombang Mikro dan Sonokimia, *Tesis*, Departemen Kimia FMIPA UGM, Yogyakarta.



- Tamaela, P. and Lawerissa, S., 2008, Karakteristik *Edible film* dari karaginan, *Ichtyos*, 7(1), 27-30.
- Tundo P., 2001, New Developments in Dimethyl Carbonate Chemistry, *Pure Appl. Chem*, 73, 7, 1117-1124.
- Tundo, P., Arico F., Rosamilia, A.E., Grego, S., and Rossi, L., 2008, Dimethyl Carbonate: Green Solvent and Ambidient Reagent, *Green Chem. React.*, 213-232.
- Wang, X., Sun, X., Liu, H., Li, M., and Ma, Z., 2011, Barrier and Mechanical properties of Carrot Puree Films, *Food Biopro. Proc.*, 89, 149-156.
- Whistler, R.L. and Bemiller, J.N., 1997, *Carbohydrate Chemistry for Food Science*, Eagen Press, Minnesota.
- Winarno, F.G., 1996, *Teknologi Pengolahan Rumput Laut*, Pustaka Sinar Harapan, Jakarta.
- Wu, P. and Imai, M., 2012, *Novel Biopolymer Composite Membrane Involved with Selective Mass Transfer and Excellent Water Permeability*, Graduate School of Bioresource Sciences, Nihon University, Japan.
- Wuts, P.G.M. and Greene, T.W., 2007, *Freene's Protective Groups in Organic Synthesis*, John Wiley & Sons, New Jersey.
- Yulinda, L.R., 2013, Metilasi Asam Galat menggunakan Agen Metilasi Dimetil Sulfat (DMS) atau Dimetil Karbonat (DMC), *Tesis*, Kimia FMIPA UGM, Yogyakarta.
- Zweifel, G.S. and Nantz, M.H., 2007, *Modern Organic Synthesis: An Introduction*, W.H. Freeman and Company, New York.