

6. DAFTAR PUSTAKA

Ahalya, N., Ramachandra, T.V., Kanamadi, RD.,2003, Biosorption of Heavy Metal, Research Journal Of Chemical And Environment Vol.7(4), 71-79 Darmono, 1995. *Logam dalam Sistem Biologi Makhluk Hidup*. Penerbit Universitas Indonesia. Jakarta.

Atkins PW. 1999.Kimia Fisika. “Ed ke-2 Kartahadiprojo Irma I, penerjemah;Indarto Purnomo Wahyu, editor. Jakarta Erlanga. Terjemahan dari:Pysical Chemistry AVI Publ. Inc., Westport, Connecticut.

Badan Standarisasi Nasional. Standar Nasional Indonesia 06-6989.8-2009, **Air dan air limbah – Bagian 8: Cara uji timbal (Pb) dengan Spektrofotometri Serapan Atom (SSA)-nyala**

Badan Standarisasi Nasional.2009.Standar Nasional Indonesia 06-6989.16-2009, **Air dan air limbah –Bagian 16: Cara uji kadmium (Cd) dengan metode Spektrofotometri Serapan Atom (SSA)**

Badan Standarisasi Nasional.2009.Standar Nasional Indonesia 06-6989.6-2009, **Air dan air limbah – Bagian 6: Cara uji tembaga (Cu) dengan Spektrofotometri Serapan Atom (SSA)-nyala**

Badrie, Neela, Alexander G Schauss. 2010.Bioactive Foods In Promoting Health.Academic Press.Oxford

Benen J.A.E. Vincken J.P., Alebeek G.J., (2002). Microbial Pectinases. In; Pectins and their Manipulation, Seymour G.A., Tucker G.B., Blackwell Publishing Ltd., 174-215

Castellan GW. 1982.Physical Chemistry. Third Edition. New York: GeneralGraphic Servies

Daas.P.J.H., Voragen A.G.J., Schols H.A. (2000). Characterisation of non-esterified galacturonic-acid sequences in pectin with endopolygalacturonase.Carbohydrate Research, 326, 120-129

De Figueiredo R.W., Lajolo F.M., Alves R.E., Filgueiras H.A.C. (2002) Physical-chemichal changes in early dwarf cashew pseudofruits during development and murtatuion. Food Chemisrty, 77, 343-347.

Dewan Ilmu Pengetahuan, Teknologi dan Industri Sumatra Barat. 2004. Markisa. http://www.iptek.net.id/ind/warintek/pengolahan_pangan_idx.php?doc=6d26

Glinsky, Vladislav, and Avraham Raz. 2010. *Modified Citrus Pectin Anti Metastatic Properties; one bullet, multiple targets*. 2010. *Carbohydr Research*. Pg 1788 – 1791.

Gnanasambandam R., Proctor A. (2000). Determination of Pectin degree esterification and the distribution Fourier transform infrared spectroscopy. *Food Chemistry*, 68, 327-332

Goyer, R.A. 1986. Toxic Effects of Metals p 582-635. In; *Toxicology. The Basic of Science of Topics in Organometallic Chemistry* 32: 1-20

Hart, Harold et al. (2003) . *Kimia Organik: suatu kuliah singkat*. Jakarta: Penerbit Erlangga

Hartati, I., dan Kurniasari, L., 2011, *Enzymatic Extraction of Low Methoxyl Pectin as a Potential Anti Cancer Agent From Green Cincau (Premna oblongifolia Merr)*, *Prosiding Seminar Nasional Sains dan Teknologi 2 Universitas Wahid Hasyim Semarang Tahun 2011*, B.33-B.38

Haryati, Mauliyah Nur. 2006. *Ekstraksi Dan Karakterisasi Pektin Dari Limbah proses Pengolahan Jeruk Pontianak (Citrus Nobilis Var Microcarpa)*. Skripsi. Institute Teknologi Pertanian, Bogor

Kaeweaern, Pairat, Wanna Saikaew, Suraohai Wongoharee. 2008. *Dried Biosorbent Derived From Banana Peel: A Potential Biosorbent for Removal of Cadmium Ions from Aqueous Solution*. *Journal Chemical Engineering and Applied Chemistry*.

Kertesz, Z.I. 1951. *The Pectin Substances*. Interscience Pub. Inc., New York

Kupchick, L. A., Kartel, N.T., Bogdanov, E.S., Begdanova, O. V., and Kupchick, M. P. 2005. *Chemical Modification of Pectin to Improve It's sorption properties*. *Russian Journal of Applied chemistry*. 79 (3). 457

Kurniasari; Riwayati; Suwardiyono. (2012). *Pektin Sebagai Alternatif Bahan Baku Bioabsorben Logam Berat*. *Momentum*, Vol.8, No.1, Pg1-5

Mata, YN., Blazquez, ML., Ballester, A., Gonzalez, F., Munoz, JA., 2009, *Sugar-beet*

May, C. D. 1990. *Industrial Pectins: Sources, Production, and Application*.

McCready, R.M. 1965. *Extraction of the Pectin from the Citrus Peels and applications of Pectin Acid*, *Method Chem*, 8;167-170

Park, H.J., Kim, S.M., G.H. Kim. 2007. *Adsorption of Cadmium and Lead by Various Cereal from Korea*. *Bulletin of Environmental Contamination and Toxicology*. Page 470-476
Pulp Pectin Gels as Biosorbent for Heavy Metals: Preparation and Determination of Biosorption and Desorption Characteristics, *Chemical Engineering Journal* 150, 289-301

Puteri, Dea Nathania. *Cadmium (Cd) Absorption By Soluble and Insoluble Extraction Black Cumin Seeds (Nigella Sativa L) Effect of Different Particle Sizes and Concentration*. 2012. Skripsi. Fakultas Teknologi Pertanian. Universitas Katolik Soegijapranata.

Radi, J. 1998. *Sirsak Budidaya dan Pemanfaatannya*. Bandung: Kanisius

Ranganna, S. 1977. *Manual of Analysis of Fruit and Vegetable Products*. McGraw

Rouse, A.H. 1977. Rouse, A.H. 1977. *Pectin: Distribution, Significance*. Di dalam Nagy, S., P. E. Shaw dan M.K. Veldhuis (eds). *Citrus Science and Technology Volume 1*. The AVI Publishing Company Inc, Westport, Connecticut.

Sembel, Dantje T. 2015. *Toksikologi Lingkungan*. Andi Offset Press. Jakarta

Setiawan HA, Wiloso, EI, Soleha V, Barliati IF, Anggraeni. 2004. *Peningkatan kemampuan Daya serap Sorben Serbuk Gergaji Kayu Albizia dengan Penguulfonasi dan Pengujiannya dengan Zat Warna Tekstil Kationik*, *Alcheny* Vol.3, Hal. 10-15.

Smith dan Bryant. 1968. *Properties of Pectin Fraction Separated on Diethylaminoethyl-Cellulose Columns*. Di dalam Nelson, D.B., C.J.B.

Suradi, K., 1984. *Ekstraksi, Isolasi dan Karakterisasi Pektin dari Beberapa Jenis*
 The AVI Publishing Company Inc, Westport, Connecticut.

Towle, G.A. dan O. Christensen. 1973. *Pectin*. Di dalam R.L Whistler (ed.) *Industrial Gum*. Academic Press, New York.

Wong, W.W., Abbas F.M.A., Liang, M.T., Azhar, M.E. 2008. *Modification of Durian Rind Pectin for Improving Biosorbent Ability*. *International Food Research Journal* 15 (3), 363-365.