



DAFTAR PUSTAKA

- Birloaga, I., De Michelis, I., Ferella, F., Buzatu, M., and Vegliò, F., 2013, Study on The Influence of Various Factors in The Hydrometallurgical Processing of Waste Printed Circuit Boards for Copper and Gold Recovery, *Waste Manage.*, 33, 935-941.
- Clansen, C., and Kulicke, W.M., 2001, Determination of Viscoelastic and Rheo-optical Material Functions of Water-soluble Cellulose Derivatives, *Progress in Polymer Sci.*, 26, 1839-1919.
- Cronquist, A., 1981, *An Integrated System of Classification of Flowering Plants*, Columbia University Press, New York.
- Dewi, S.R., 2010, Aplikasi Humin dari Tanah Gambut untuk Adsorpsi Reduksi $[AuCl_4]^-$ dalam Larutan, *Tesis*, Universitas Gadjah Mada, Yogyakarta.
- Donia A.M., Atia A.A., and Elwakeel K.Z., 2005, Gold (III) Recovery Using Synthetic Chelating Resins with Amine, Thio, and Amine/Mercaptan Functionalities, *Sep. Purif. Technol.*, 42, 111-116.
- Erdawati., 2008, Kapasitas Adsorpsi Kitosan dan Nanomagnetik Kitosan terhadap Ion Ni(II), *Prosiding Seminar Nasional Sains dan Teknologi Universitas Lampung*, Lampung.
- Gaoi, L.D.L., 2001, Studi Awal Pemanfaatan Beberapa Jenis Karbon Aktif sebagai Adsorben, *Seminar*, Fakultas Teknik Universitas Indonesia, Jakarta.
- Graf, A. and Koehler, T., 2000, *Oregon Cellulose-Ethanol Study An Evaluation of the Potential for Ethanol Production in Oregon Using Cellulose-based Feedstock*, Oregon Office of Energy, Oregon.
- Hamamoto, K., Kawakita, H., Ohto, K., dan Inoue, K., 2009, Polymerization of Phenol Derivatives by Reduction of Gold Ions to Gold Metal, *React. Funct. Polym.*, 69, 694-697.
- Han, S.J., Yoo, Y.J., Kang, H.S., 1995, Characterizatin of Bifunctional Cellulase and its Structural Gene, *Journal of Biological Chemistry*, 270, 26012-26019.
- Heinze, T., and Leibert, T., 2001, Unconventional Methods in Cellulose Functionalization, *Prog. Polym. Sci.*, 26, 1689-1762.



- Huang, M.R., Li, S., Li, X.G., 2010, Longan Shell as Novel Biomacromolecular Sorbent for Highly Selective Removal of Lead and Mercury Ions, *J. Phys. Chem.*, 114, 3534-3542.
- Huang, X., Wang, Y., Liao, X., and Shi, B., 2010, Adsorptive Recovery of Au³⁺ from Aqueous Solutions Using Bayberry Tannin-immobilized Mesoporous Silica, *J. Hazard. Mater.*, 183, 793-798.
- Husiman, J., Magalini, F., Kuehr, R., Maurer, C., Delgadi, C., Ogilvie, S., Poll, J., Artim, E., Szlezak, J., dan Stevles, Ab., 2007, *2008 Review of Directive 2002/96 on Waste Electrical and Electronic Equipment*, United Nations University, Germany.
- Indah Nurhayati dan Joko Sutrisno, 2013, Limbah Ampas Tebu Sebagai Penyerap Logam Berat Pb, *Prosiding*, Seminar Nasional Universitas PGRI Adi Buana Surabaya, 59-70.
- Jaitrong, S., Nithiya R. & John A.M., 2006, Analysis of the Phenolic Compound in Longan (*Euphoria Longan Lour. Steud*) Peel, *Proc.Fla.State, Hort. Soc*, 119, 371- 375.
- Khunathai, K., Xiong, Y., Biswas, B.K., Adhikari, B.B., Kawakita, H., Ohto, K., Inoue, K., Kato, H., Kurota, M., and Atsumi, K., 2012, Selective Recovery of Gold by Simultaneous Adsorption-Reduction Using Microalgal Residues, Generated from Biofuel Conversion Processes, *J. Chem. Technol. Biotechnol.*, 87, 393-401.
- Kuyucak, N., and Volesky, B., 1989, Accumulation of Gold by Agal Biosorbent, *Journal of Biorecovery*, 1, 189-204.
- Laatikainen, M., dan Paatero, E., 2005, Gold Recovery from Chloride Solutions with XAD-7 : Competitive Adsorption of Fe(III) and Te (IV), *Hydrometallurgy*, 79, 154 – 171.
- Lynam. M.M., Kilduff, J.E., and Weber, W.J., 1995, Adsorption of Paracetamol from Dilute Aqueous Solution, *J. Chem. Educ.*, 72, 80-84.
- Montero, R., Guevara, A., dan de la Torre, E., 2012, Recovery of Gold, Silver, Copper and Niobium from Printed Circuit Boards Using Leaching Column Technique, *J. Earth Sci. Eng.*, 2, 590-595.
- Muhammad, N., Pair, J., Smith, M. D., and Wheatley, A.D., 1998, Adsorption of Heavy Metal in Slow Sand Filters, *Proceedings of the 24th WEC International Conference on Water Supply and Sanitation*, Durban, South Africa.



- Mulyana, L., Pradiko, H., dan Nasution, K., 2003, *Pemilihan Persamaan Adsorpsi Isoterm pada Penentuan Kapasitas Adsorpsi Kulit Kacang Tanah Terhadap Zat Warna Remazol Golden Yellow 6*, Informatek Teknik Lingkungan, Universitas Pasundan.
- Nakajima, A., Ohe, K., Baba, Y., and Kijima, T., 2003, Mechanism of Gold Adsorption by Persimmon Tannin Gel, *J. Anal. Sci.*, 19, 1075-1077.
- Nakbanponte, W., Thiravetyan, P., dan Kalambaheti, C., 2002, Comparison of Gold Adsorption by Chlorella Vulgaris, Rice Husk and Activated Carbon, *Minerals Engineering*, 15, 549–552.
- Ogata T., dan Nakano Y., 2005, *Mechanism of Gold Recovery from Aqueous Solutions Using a Novel Tannin Gel Adsorbent*.
- Pangeni, B., Paudyal, H., Inoue, K., Kawakita, H., Ohto, K., and Alam, S., 2012, Selective Recovery of Gold (III) using Cotton Selulose Treated with Concentrated Sulfuric Acid, *Cellulose*, 19, 381.
- Parajuli, D., Khunathai, K., Adhikari, C.R., Inoue, K., Ohto, K., Kawakita, H., Funaoka, M., dan Hirota, K., 2009, Total Recovery of Gold, Palladium, and Platinum Using Lignophenol Derivative, *Miner. Eng.*, 22, 1173-1178.
- Prasasti, D., 2011, Studi Adsorpsi-Reduksi Ion Au(III) pada Asam Humat, Asam Humat Teresterifikasi dan Asam Humat Teresterifikasi, *Tesis*, Kimia FMIPA UGM, Yogyakarta.
- Ramesh, A., Hasegawa, H., Sugimoto, W., Maki, T., dan Ueda, K., 2008, Adsorption of Gold(III), Platinum(IV) and Palladium(II) onto Glycine Modified Crosslinked Chitosan Resin, *Bioresour. Technol.*, 772, 347-355.
- Rubcumintara, Theeraporn, 2014, Adsorptive Recovery of Au(III) from Aqueous Solution Using Modified Bagasse Biosorbent, *Internasional Journal of Chemical Engineering and Applications*, 6, 95-100.
- Rukmana, R., 2003, *Prospek Agrobisnis dan Teknik Budidaya*, Kasinius Yogyakarta.
- Rusdiarso, B., 2007, Studi Ekstraksi Pelarut Emas (III) dalam Larutan Konsentrasi Tembaga PT Freeport dengan 8-Metilxantin, *Berkala MIPA UGM*, 17(2), 15-21.
- Sawitri, Dewi, E., dan Sutrisno, T., 2006, *Adsorpsi Khrom (VI) dari Limbah Cair Industri Pelapisan Logam dengan Arang Eceng Gondok (Eichornia crassipes)*, Jurusan Teknik Kimia, Fakultas Teknik, Universitas Diponegoro Semarang.



- Scott, S. A., Matchett, K., 2004, MintaurTM: The Mintek Alternative Technology to Gold Refining, *J. South. Afr. Inst. Min. Metall.*, 339-344.
- Shibata, J., and Okuda, A., 2002, Recycling Technology of Precious Metals, *Shigen-to-Sozai*, 118, 1-8.
- Sodhi, M. S., Reimer, B., 2001, Models for Recycling Electronics end-of-life Products, *OR Spectrum* 23, 97-115.
- Somayajula, A., Aziz, A.A., Saravanan, P., and Matheswaran, M., 2012, Adsorption of Mercury(II) Ion from Aqueous Solution Using Low-Cost Activated Carbon Prepared from Mango Kernel, *J. Chem. Eng.*, 27, 83-93.
- Soong, Y. Y. & Barlow, P., 2005, Isolation and Structure Elucidation of Phenolic Compounds from Longan (*Euphoria Longan Lour. Steud.*) seed by High-Perfomance Liquid Chromatography-Electrospray Ionization Mass Spectrometry, *J. Chromatography*, 1085, 270-277.
- Sud, D., Mahajan, G., and Kaur, M.P., 2007, Agricultural Waste Materials As Potential Adsorbent for Sequestering Heavy Metal Ions Aqueous Solution, *Bioresource Technol.*, 99, 6017-6027.
- Tasdelen, C., Aktas, S., Acma, E., dan Guvenilir, Y., 2008, Gold Recovery from Dilute Gold Solutions Using DEAE-cellulose, *Hydrometallurgy*, 96, 253-257.
- Taufiqu, N., 2007, *Ultrasonic-Milling: A Potential Method in Nanoparticles Production*, Indonesia, Paten No. S00200700086.
- Usher, A., McPhail, D.C., dan Brugger, J., 2009, A Spectrophotometric Study of Aqueous Au(III) Halide-Hydroxide Complexes at 25-80 °C, *Geochim. Cosmochim. Ac.*, 73, 3359-3380.
- Usman, B., 2004, *Sukses Membuat Lengkeng dalam Pot*, PT Agromedia Pustaka, Jakarta Selatan.
- Wang, S., Qian, K., Bi, X., and Huang, W., 2009, Speciation of Aqueous HauCl₄ on the Syntesis, Structure, and Property of Au Colloids, *J. Phys. Chem. C.*, 113, 6505-6510.
- Watling K. M., 2007, Spectroelectrochemical Studies of Surface Species in the Gold/Thiosulfate System, *Thesis*, Griffith Science Environment Engineering and Technology, Griffith University, Australia.
- White, J.G., 2000, *Oregon Perspective on Cellulose-to-Ethanol*, Oregon Office of Energy, Oregon.



Widodo, 2008, Pencemaran Air Raksa (Hg) Sebagai Dampak Pengolahan Bijih Emas di Sungai Ciliunggunung, Waluran, Kabupaten Sukabumi, *Jurnal Geologi Indonesia*, 3, 139-149.

Wojnicki, M., Magdalena L.B., Justyna G., Krzysztof P., Krzysztof J.K., and Krzysztof F., 2013, Micro-continuous Flow Synthesis of Gold Nanoparticles and Integrated Deposition on Suspended Sheets of Graphene Oxide, *Chem. Eng.*, 225, 597-606.

Yamashita, M., Ohashi, H., Kobayasi, Y., Okaue, Y., Kurisaki, T., Wakita, H., and Yokoyama, T., 2008, Coprecipitation of Gold(III) Complex Ion with Manganese(II) Hydroxide and their Stoichiometric Reduction of Atomic Gold (Au(0)): Analysis by Mossbauer Spectroscopy and XPS, *J. Colloid Interface Sci.*, 319, 25-29.

Zein, R., Suhaili, R., Earnestly, F., Indrawati, and Munaf, E., 2010, Removal of Pb(II), Cd(II) and Co(II) from Aqueous Solution Using Garcinia mangostana L. Fruit Shell., *J. Hazard. Mater.*, 181, 52-56.

Zhou, C., and Wu, Q., 2002, Recent Development in Applications of Cellulose Nanocrystals for Advanced Polymer-Based Nanocomposites by Novel Fabrication Strategies, Nanocrystals—Synthesis Characterization and Applications, Dr. Sudheer Neralla ed., *In Tech*, DOI. 10.5772/48727.