

DAFTAR PUSTAKA

- Anonim, 1998, *Material Safety and Data Sheet Hydrogen Sulfide*, Air Production and Chemical, Allentown.
- Anonim, 2016, *Safety Data Sheet Hydrogen Sulfide*, Praxair, USA.
- Anonim, 2016, Synthesis of Iron(III) EDTA Complex, $\text{Na}[\text{Fe}(\text{EDTA}) \cdot 3\text{H}_2\text{O}]$, *Royal Society of Chemistry*, London.
- Anonim, 2016, Overview H_2S , *Tech Bulletin*, 13. <http://www.qmax.com>. (diakses tanggal 12 maret 2016).
- Anonim, 2015, Company profile PT. Sukses Sejahtera Energi. <http://www.suksesenergi.com>. (diakses tanggal 19 November 2015).
- Allegue, L.A., and Hinge, J., 2014, *Biogas Upgrading Evaluation of Methods for H_2S Removal*, Danish Technological Institute, Denmark.
- Anne and Evans, R., 2006, *The Composition of a Tyre: Typical Components*, the Waste and Resource Action Program, Oxon.
- Aydın, H. and İlkılıç, C., 2012, Optimization of Fuel Production from Waste Vehicle Tires by Pyrolysis and Resembling to Diesel Fuel by Various Desulfurization Methods, *J. Fuel.*, 102, 605-612.
- Aylon, E., Murillo, Colino, A. F., Aranda, A., Garcia, T., Callen, M.S., and Mastral, A. M., 2007, Emissions from The Combustion of Gas-Phase Products Tyre Pyrolysis, *J. Anal. Appl. Pyrol.*, 79, 210-214.
- Ayutami, R., 2012, Pengaruh Temperatur Vulkanisasi Terhadap Kekuatan Tarik (*Tensile Strength*) Pada Packing Pintu Rebusan PT. Industri Karet Nusantara Medan, *Karya Ilmiah*, D-3 Kimia, Universitas Sumatra Utara.
- Baran, E.J., and Wanger, C.C., 2010, Vibrational Spectra of Two Fe(III)/EDTA Complexes Useful for Iron Supplementation, *J. Spectrochim. Acta. A.*, 75, 807-810.
- Baran, E.J., Wagner, C.C., and Torre, M.H., 2002, Synthesis and Characterization of EDTA Complexes Useful for Trace Elements Supplementation, *J. Braz. Chem. Soc.*, 5 (13), 576-582.
- Bridgwater, A.V., 2011, Review of Fast Pyrolysis of Biomass and Product Upgrading, *J Biomass. Bioenerg.*, 1-27.

- Ebrahimi, S., Kleerebezem, R., Loosdrecht, M.C.M.V, Heijnen, J. J., 2003, Kinetics of The Reactive Absorption of Hydrogen Sulfide into Aqueous Ferric Sulfate Solutions, *J. Chem. Eng*, 58, 417-427.
- Eldien, W. N., Gasmseed, G.A., and Abdalla, B.K., 2015, Simulation of Absorption Column for H₂S Removal from Sour gas in Khartoum Refinery, *IJSRP.*, 5(12), 270-276.
- Fallah, A.F., Cifrandi, A., dan Maspanger, D.R., 2013, Pemanfaatan Hasil Pirolisis limbah Ban Bekas sebagai Bahan Pelunak untuk Pembuatan Barang Jadi Karet, *J. Nat. Rubber. Res*, 31(2), 149-158.
- Harris, D.C., 2007, *Quantitative Chemical Analysis*, 7th Ed., W.H. Freeman and Company, New York.
- Hu, H., Fang, Y., Liu, H., Yu, R., Luo, G., Liu, W., Li, A., and Yao, H., 2014, The fate of Sulfur During Rapid Pyrolysis of Scrap Tires, *J. Chemosphere.*, 97, 102-107.
- Karimi, A., Tavassoli, A., and Nassernejad, B., 2010, Kinetic Studies and Reactor Modeling of Single Step H₂S removal using Chelated Iron Solution, *J. Chem. Eng. Res. Des.*, 88, 748-756.
- Kazmierczak-Razna, J., Podemska, B.G., Nowicki, P., and Pietrzak, R., 2015, The Use of Microwave Radiation for Obtaining Activated Carbons from Sawdust and Their Potential Application in Removal of NO₂ and H₂S, *J. Chem. Eng.*, 269, 352-358.
- Kim, K., Kim, D. Y., Lee, K. R., and Han, J., 2013, Electricity Generation from Iron-EDTA-based Liquid Redox Sulfur Recovery Process with Enhanced Stability of EDTA, *J. Energy. Convers. Manage.*, 76, 324-334.
- Köchermann, J., Schneider, J., Matthischke, S., and Rönsch, S., 2015, Sorptive H₂S Removal by Impregnated Activated Carbons for The Production of SNG, *J. Fuel. Process. Technol.*, 138, 37-41.
- Kovaks, K., Toth, B., Levai, L., Vertes, A., Kuzmann, E., Abadia, J., and Fodoor, F., 2016, *Effect of pH and Iron Complexes on the Iron Species found in The Root of Iron Deficient Cucumber after Iron Supply*, <http://www.researchgate.net>. (diakses tanggal 12 November 2016).
- Kwartiningsih, E., Jumari, A., Pitri, E., dan Sumarni, 2009, Pemodelan Matematis dan Penyelesaian Numeris pada Absorpsi H₂S Menggunakan Larutan Absorben Fe-EDTA dalam *Packed Column*, *J. Ekuilibrium.*, 1 (8), 17-24.
- Libes, S.M., 2009, *Introduction to Marine Biogeochemistry*, 2nd Ed., Elsevier, USA.

- Maile, O.I., Tesfagiorgis, H.B., and Muzenda, E., 2015, Factors Influencing Chemical Absorption of CO₂ and H₂S in Biogas Purification: A Review, *Proceedings of the World Congress on Engineering and Computer Science Vol II*, October 21-23, San Francisco, USA.
- Manahan, S.E., 2003, *Toxicological Chemistry and Biochemistry*, 3rd Ed., Lewis Publishers, New York.
- Martinez, J.D., Puy, N., Murillo, R., Gracia, T., Navarro, M.V., and Mastral, A.M., 2013, Waste tyre pyrolysis – A review, *J. Renew. Sust. Energ. Rev.*, 23, 179-213.
- Muche, H., 1985, *The Purification of Biogas*, Friedr Vieweg & Son, Braunschweig.
- Naibaho, A.E.A., 2012, Absorpsi CO₂ Melalui Kontraktor Membran Serat berongga Menggunakan Larutan Penyerap Campuran Senyawa Amina (MEA/DEA): Variasi Komposisi Amina, *Skripsi*, Teknik Kimia, Universitas Indonesia.
- Nakamoto, 2009, *Infrared and Raman Spectra of Inorganic and Coordination Compounds*, 6th Ed., Canada.
- Pinche, S., and Larachi, F., 2006, Dynamic of pH on the Oxidation of HS⁻ with Iron (III) Chelates in anoxic Condition, *J. Chem. Eng.*, 7673-7683.
- Saelee, R., Chungsiriporn, J., Intamane, J., and Bunyakan, C., 2009, Removal of H₂S in Biogas From Concentrated Latex Industry With Iron(III) Chelate In Packed Column, *J. Sci. Technol.*, 31, 195-203.
- Sastrohamidjojo, H., 2007, *Spektroskopi*, Liberty, Yogyakarta.
- Setyawati, H dan Murwani, I. K., 2010, Sintesis dan Karakterisasi Senyawa Kompleks Besi (III)-EDTA, *Proseeding Seminar Nasional Sains*, 16 Januari 2010, Surabaya.
- Shabir, G.A., 2004, A Practical Approach to Validation of HPLC Methods Under Current Good Manufacturing Practices, *JVT.*, 29-37.
- Sianipar, R.H., 2009, Analisis Resiko Paparan Hidrogen Sulfida pada Masyarakat Sekitar TPA Sampah Terjun Kecamatan Medan Marelan, *Tesis*, Pascasarjana Universitas Sumatera Utara, Medan.
- Silverstein, R.M., Webster, F.X., and Kiemle, D.J., 2005, *Spectrometric Identification of Organic Compound*, 7th Ed, John Wiley and Son, USA.

- Sun, M., Song, W., Zhai, L., and Chui, Y., 2013. Effective Sulfur and Energy Recovery from Hydrogen Sulfide through Incoorporating an Air- chatode fuel cell into Chelated- iron Process, *J. Hazard. Mat.*, 263, 643-649.
- Wampler, T.P., 2007, *Applied pyrolysis handbook*, 2nd Ed., CRC Press Book, New York.
- Williams, P.T., 2013, Pyrolysis of waste tyres: A review, *J.Waste. Manage.*, 33, 1714–1728.
- Zare, A.H., and Mirzaei, S., 2009, Removal CO₂ dan H₂S using Aqueous Alkanolamine Solutions, *J. Chem. Mol. Eng.*, 3(1), 50-59.