

## DAFTAR PUSTAKA

- Aries, R.S. and Newton, R.D., 1954, *Chemical Engineering Cost Estimation*, Mc.Graw Hill Book Company Inc., New York.
- Ariyanto, D. P., 2006, “Ikatan Antara Asam Organik Tanah dengan Logam”, Jurusan Ilmu Tanah Fakultas Pertanian, Universitas Sebelas Maret, Surakarta
- Asosiasi Pertambangan Batubara Indonesia (Indonesian Coal Mining Association), 2015, “*Indonesian Coal Productions, Export, Domestic Sales and Average of Coal Price Based on ICPR/HBA 2009-2015*”, <http://www.apbi-icma.org/global-chart/>, diakses pada 16 November 2016 20.05
- Badan Litbang Pertanian Kementerian Pertanian, 2013, “Asam Humat, Senyawa Organik Penghemat Pemakaian Pupuk Anorganik”, <http://www.litbang.pertanian.go.id/berita/one/1525/>, diakses pada 7 November 20.00
- Boron D. J., Taylor, S. R., 1985, *Mild Oxidation of Coal Hydrogen Peroxide Oxidation*, Fuel, vol. 64, pp. 209-211
- BP, 2016, *BP Statistical Review of World Energy – Full Report*, <https://www.bp.com/content/dam/bp/pdf/energy-economics/statistical-review-2016/bp-statistical-review-of-world-energy-2016-full-report.pdf>, diakses pada 7 November 2016 19.10
- Brown, G.G., Katz, D., Foust A.S., and Schneidewind, R., 1950, *Unit Operations*, John Wiley and Sons, Tokyo
- Brownell, L. E., Young, E. H., 1959, *Process Equipment Design*, John Wiley and Sons, Inc., New Delhi
- Cheremisinoff, N.P., 2002, *Handbook of Water and Wastewater Treatment Technologies*, Butterworth-Heinemann, USA
- Coulson, J.M. and Richardson, J.F., 1983, *Chemical Engineering*, Vol. 1, Pergamon Press, England
- Coulson, J.M. and Richardson, J.F., 1983, *Chemical Engineering*, Vol. 6, Pergamon Press, England

- Couper, J. R., 2005, *Chemical Process Equipment: Selection and Design*, 2nd Ed., Elsevier Inc., United States of America
- Crowl, D. A., Louvar, J. F., 2002, *Chemical Process Safety: Fundamentals with Applications*, 2nd ed., Prentice Hall PTR, New Jersey
- Efendi, R., 2014, “Pengaruh Pemberian Asam Humat dan Fosfat Alam terhadap Pertumbuhan Bibit Kelapa Sawit (*Elais Guineensis Jacq*) pada Main Nursery”, Universitas Tamansiswa, Padang
- Fong, S. S., Seng, L., Majri Bt N., dan Mat Bt H., 2007, *A Comparative Evaluation on The Oxidative Approaches for Extraction of Humic Acids from Low Rank Coal of Mukah, Sarawak*, J. Braz. Chem. Soc., Vol. 18, No. 1, 34-40
- Gaffney, J. S., Marley, N. A., Clark, S. B., 1996, *Humic and Fulvic Acid. Isolation, Structure, and Environmental Role*, ACS Symp. Ser., vol 651, pp 4-6
- Holman, J. P., 2010, *Heat Transfer*, 10th Ed., The McGraw-Hill Companies, Inc., New York
- <http://www.lenntech.com/applications/process/boiler/boiler-feedwater-characteristics.htm> diakses pada 16 April 2017 pukul 14.11
- <https://www.sciencelab.com/msdsList.php> diakses pada 8 Mei 2017 pukul 19.25
- <https://bps.go.id/LinkTabelStatis/view/id/1304> diakses pada 20 Mei 2017.
- <http://www.bi.go.id/id/moneter/informasi-kurs/transaksi-bi/Default.aspx> diakses pada 20 Mei 2017.
- [http://www.chemengonline.com/Assets/File/CEPCI\\_2002.pdf](http://www.chemengonline.com/Assets/File/CEPCI_2002.pdf) diakses pada 20 Mei 2017.
- <https://www.dol.gov/whd/minimumwage.htm> diakses pada 20 Mei 2017.
- [http://pasartanah.com/kalimantan\\_selatan\\_area13.html](http://pasartanah.com/kalimantan_selatan_area13.html) diakses pada 20 Mei 2017.
- <http://www.pln.co.id/2017/02/01/tarif-tenaga-listrik/> diakses pada 20 Mei 2017.
- <http://www.pusatdata.kontan.co.id/bungadeposito/> diakses pada 26 Mei 2017.
- Humate Indonesia, 2013, “Dosis dan Pemakaian Humic Acid | Asam Humat”, <http://humicacidpupuk.blogspot.co.id/p/dosis-pemakaian.html>, diakses tanggal 9 November 2016 20.45
- Humic 600, 2012, *Humic Acid Material Safety Data Sheet* diakses pada tanggal 1

Desember 2016

- Kementerian Energi dan Sumber Daya Mineral, 2011, “Sumber Daya Batubara Indonesia Capai 105 Miliar Ton”,  
<http://www.esdm.go.id/berita/batubara/44-batubara/4557-sumber-daya-batu>, diakses pada 7 November 2016 19.25
- Kementerian Lingkungan Hidup dan Kehutanan, 2015, “Statistik Kementerian Lingkungan Hidup dan Kehutanan Tahun 2014”, Jakarta
- Kern, D. Q., 1965, *Process Heat Transfer*, The McGraw-Hill Companies, Inc., New York
- Komada, K., Hotta, S., 1957, *On the Artificial Humic Acids Prepared from Coal and Microorganism Pigments*, Soil Science and Plant Nutrition, vol. 3, pp. 148-151
- Kurková, M., et al., 2004, *Humic Acids from Oxidized Coals I. Elemental Composition, Titration Curves, Heavy Metals in HA Samples, Nuclear Magnetic Resonance Spectra of HAs and Infrared Spectroscopy*, Chemosphere, vol. 54, pp 1237-1245
- Muzakky, Taftazani A., dan Sukirno, 2003, Optimasi Ekstraksi Asam Humat dari Na-Humat dan Karakterisasinya dengan FTIR, Puslitbang Teknologi Maju Batan
- Peraturan Menteri Kesehatan No. 492/Menkes/PER/IV/2010 tentang Kebutuhan Air Minum
- Perry, R. H., Green, D. W., 1999, “Perry’s Chemical Engineers’ Handbook”, 7th Ed., The McGraw-Hill Companies, Inc., New York
- Peters, M. S., Timmerhaus, K. D., and West, R. E., 1954, *Plant Design and Economics for Chemical Engineering*, 5 ed, McGraw-Hill Companies, Inc., New York.
- Phelps Teknowledge, 2000, *Humic Acid Structure and Properties*,  
[http://www.phelpstek.com/portfolio/samples/humic\\_acid.html](http://www.phelpstek.com/portfolio/samples/humic_acid.html), diakses pada 8 November 2016 18.35
- Powell, S.T., 1954, *Water Conditioning for Industry*, McGraw-Hill Book Company, New York

- Pratomo, K. R., Suwardi, dan Darmawan, “Pengaruh Pupuk *Slow Release Urea-Zeolit-Asam Humat (UZA)* terhadap Produktivitas Tanaman Padi Var. Cihherang”, *Jurnal Zeolit Indonesia*, vol. 8, pp. 83-88
- PT. Adaro Energy Tbk, 2014, “Adaro Energy Laporan Operasional Kuartalan Kuartal Kedua 2014”, <http://www.adaro.com/wp-content/uploads/2014/08/ADRO-20140804-2Q14-QAR-Bahasa.pdf>, diakses tanggal 9 November 2016 23.20
- PT. Adaro Indonesia, 2015, *Envirocoal Coal Specifications*, <http://adaro-envirocoal.com>, diakses pada tanggal 1 Desember 2016
- Pusat Sumber Daya Geologi, 2006, <http://psdg.bgl.esdm.go.id/Neraca/2015/Executive%20Summary%20Neraca%20Energi%202015.pdf> diakses pada 10 Juni 2017
- Rahayu, S. S., Purwaningtyas, F. Y., dan Solehati, 2015, *The Effect of H<sub>2</sub>O<sub>2</sub> in the Extraction of Indonesian Low Rank Coal*, Department of Chemical Engineering, Universitas Gadjah Mada, Yogyakarta
- Samat, dan Lesbani, A., 2012, “Studi Interaksi Seng(II) pada Asam Humat Muara Kuang serta Aplikasinya terhadap Limbah Industri Pelapisan Seng”, *Jurnal Penelitian Sains*, vol. 15, pp. 2-5
- Setiadi, T., 2007, “Pengolahan dan Penyediaan Air”, Bandung, ITB
- Speight, J. G., 2012, *The Chemistry and Technology of Coal*, 3<sup>rd</sup> ed., CRC Press, Boca Raton
- Stevenson, F.J., 1994, *Humus Chemistry: Genesis, Composition, Reaction*, 2<sup>nd</sup> Ed., JohnWiley & Sons, Inc., New York
- Treybal, R. E., 1980, *Mass-Transfer Operations*, 3<sup>rd</sup> Ed., McGraw-Hill Book Company, New York
- Ulrich, G.D., 1984, *A Guide to Chemical Engineering Process Design and Economics*, John Wiley and Sons, New York.
- Walas, M. S., 1990, *Chemical Process Equipment: Selection and Design*, Butterworth-Heinemann, Washington
- [www.bmkg.go.id](http://www.bmkg.go.id) diakses pada 10 April 2017 pukul 18.50



- Yang, Z., Ran, P., dan Gong, L., 2010, *Nitric Acid Oxidation from Guizhou Coal with Novel Catalysts to Prepare Humic Acid*, The Second China Energy Scientist Forum, pp. 245-250
- Yaws, C.L., 1999, *Chemical Properties Handbook*, McGraw-Hill Book Company, New York
- Ziechmann, W., 1994, *Humic Substances – Structures, Properties, and Uses*, The Royal Society of Chemistry, UK
- Zimmer, G., 2003, *Humic Substances in Biological Agricultural Systems*, M.Bio-ag, Acres USA Magazine