

DAFTAR PUSTAKA

- Apriliani, Ade. (2010). "Pemanfaatan Karbon Ampas Tebu Sebagai Adsorben Ion Logam Cd, Cr, Cu, Dan Pb Dalam Air Limbah." Repository UIN:1-91.
- Asmadi, Endro dan Oktiawan. (2009). Pengurangan Cr dalam Limbah Cair Industri Kulit pada Proses Tennery Menggunakan Senyawa Alkali Ca(OH)_2 dan NaHCO_3 . JAI. Vol 5 (1).
- Babel, S. and Kurniawan, T.A. (2003) Low Cost Adsorbents for Heavy Metals Uptake from Contaminated Water: A Review. *Journal of Hazardous Materials*, B97, 219-243. [http://dx.doi.org/10.1016/S0304-3894\(02\)00263-7](http://dx.doi.org/10.1016/S0304-3894(02)00263-7)
- Budiono, Ari, dkk. (2009). Pengaruh Aktivasi Tempurung Kelapa dengan Asam Sulfat dan Asam Fosfat untuk Adsorpsi Fenol. Jurusan Kimia. Universitas Diponegoro.
- Cechinel, M, A, P., Guelli, S, M, A., & Ulson, A, A. (2013). Study Of Lead (II) Adsorption Onto Activated Carbon Originating From Cow Bone. *Journal of Cleaner Production*. Universidade Federal de Santa Catarina. Brasil.
- Covington A.D. dan B. Shi. (1998). High Stability Organic Tanning Using Plant Polyphenols. Part 1. The Interactions Between Vegetable Tannins and Aldehydic Cross-linkers. *J. Soc. Leather Technol. Chem.* 82(2): 64-71.
- Culp, R, L. dan Culp, G. L. (1986). *Hand Book of Public Water System*. New York: Mc Graw-Hill.
- EkatriSNawan, R. (2016). Pemanfaatan Arang komersil Ampas Tebu Untuk Menurunkan Kadar Logam Pb Dalam Larutan Air. Semarang: Universitas Negeri Semarang.
- Fahi, Ismail H., T. Edwar, H. Hamidah. (2012). Pemanfaatan Limbah Lateks Alam Dengan Pengisi Bubuk Pelepah Pisang Sebagai Adsorben Minyak. *Jurnal Teknik Kimia USU*, Vol. 1, No.2.
- Gubernur Daerah Istimewa Yogyakarta. Peraturan Daerah Daerah Istimewa Yogyakarta no. 6. Tentang Baku Mutu Air Limbah
- Han, J., Kamber, M., & Pei, J. (2006). *Data Mining: Concept and Techniques*, Second Edition. Waltham: Morgan Kaufmann Publishers.
- Hassler, J, W. (1974). *Purification With Activated Carbon Industrial. Commercial And Environmental*. New York: Chemical Publishing Co. Inc.
- Heidemann E. (1993). *Fundamentals of Leather Manufacturing*. Eduard Roether KG, Darmstadt.

- Ibbet, R.N.; Kaenthong, S.; Philips, D.A.S.; Wilding, M.A. (2006). Charaterisatim Of Porosity Of Regenerated Cellulosil Fibres Using Classical Dye Adsorbtion Techniques. *Lenzinger Berichte*. Vol. 88, 77-86.
- Indah, S. (2014). Studi Regenerasi Adsorben Kulit Jagung (*Zea Mays L.*) Dalam Menyisihkan Logam Besi (Fe) Dan Mangan (Mn) Dari Air Tanah. *Jurnal Dampak*, 11(1), 48.
- Leila Niazi, A. L. (2018). Chestnut Oak Shells Activated Carbon: Preparation, Characterization And Application For Cr (VI) Removal From Dilute Aqueous Solutions. *Journal Of Cleaner Production*, 554-561.
- Lisanti Emelda, S. M. (2013). Pemanfaatan Zeolit Alam Terkativasi untuk Adsorpsi Logam Cr³⁺. *Jurnal Rekayasa Kimia dan Lingkungan*, Vol.9, No.4, Hlm. 166-172.
- Mc.Cabe, W.I. and Smith, J.C. (1985). *Unit Operation of Chemical Engineering*. 4th .
- Mentari A.V., Handika Gewa., Maulina Seri. (2018). Perbandingan Gugus Fungsi Dan Morfologi Permukaan Arang komersil Dari Pelepah Kelapa Sawit Menggunakan Aktivator Asam Fosfat (H_3SO_4) Dan Asam Nitrat (HNO_3). *Jurnal Teknik Kimia*, Fakultas Teknik Universitas Sumatera Utara Vol.7, No 1, Maret 2018.
- Murti, S. (2008). Pembuatan Arang komersil dari Tongkol Jagung untuk Adsorpsi Molekul Amonia dan Ion Krom. Skripsi Universitas Indonesia. Depok.
- Ozcan,Adnan., Ozcan,A.Safa. (2005). Adsorption Of Acid Red 57 From Aqueous Solutions Onto Surfactant-Modified Sepiolite. *Journal of Hazardous Materials*. Volume 125, Issues 1–3, 17 October 2005, Pages 252-259.
- Palar, H. (2008). *Pencemaran dan Toksikologi Logam Berat*. Jakarta: PT Rineka Cipta.
- Meshram Pratima, K.S. Sushanta,D.P. Banshi, Kumar Vinay, R.M. Tilak. (2012). Removal of Chromium(III) from the Waste Solution of an Indian Tannery by Amberlite IR 120 Resin. *International Journal of Nonferrous Metallurgy*, 1, 32-4. <http://dx.doi.org/10.4236/ijnm.2012.13005>
- Dinesh Mohan, U.Charles.(2006).Activated Carbons And Low Cost Adsorbents For Remediation Of Tri- And Hexavalent Chromium From Water. *Journal Of Hazardous Materials*. 762-811.
- Saliha Elabbas, L. M. (2016). Removal Of Cr(III) From Chrome Tanning Wastewater By Adsorption Using Two Natural Carbonaceous Materials: Eggshell and powdered marble. *Journal of Environmental Management*, 589-595.
- Sajima & Triyono. 2017. Pelindian Leburan Pasir Zirkon Kalimantan menggunakan Air Panas Bench Scale. *Jurnal Forum Nuklir (JFN)*, Vol 11 (1): 1-6.

- Sarin, V. and Pant, K.K. (2006) Removal of Chromium from Industrial Waste by Using Eucalyptus Bark. *Bioresource Technology*, 97, 15-20.
- Sri Yuniarti, T. I. (2018). Degradasi Limbah Khrom Dan Daur Ulang Untuk Bahan Proses Penyamakan Kulit Dengan Menggunakan Koagulan Kapur Tohor. *Jurnal Rekayasa Lingkungan* Vol.18/No.1/April 2018 , Vol.18 No1.
- Sudibandriyo, M. (2003). A Generalized Ono-Kondo Lattice Model for High Pressure on Carbon Adsorben. Ph.D Dissertation. Oklahoma State University. USA.
- Susila Arita, R. P. (2015). Purifikasi Limbah Spent Acid Dengan Proses Adsorpsi Menggunakan Zeolit Dan Bentonit. *Jurnal Teknik Kimia* No. 4, Vol. 21, 65-72.
- Tandy, E. (2012). Kemampuan Adsorben Limbah Lateks Karet Alam Terhadap Minyak Pelumas Dalam Air. *Jurnal Teknik Kimia* USU, Vol. 1, No. 2.
- Treyball, R.E. (1980). “*Mass Transfer Operations*”. McGraw-Hill Book Company. New York.
- Trinopiawan, K., Mubarak, M. Z., Mellawati, J., & Ani, B. Y. 2016. Pelindian Logam Tanah Jkarbon dari Terak Timah dengan Asam Klorida Setelah Proses Fusi Alkali. *Eksplorium*, 37(1): 41–50.
- Wong, Y. C. et al. (2004). *Adsorption Of Acid Dyes On Chitosan - Equilibrium Isotherm Analyses*, *Process Biochemistry*, 39(6), pp. 695–704. doi:10.1016/S0032-9592(03)00152-3.
- Yi Fang, et all. (2021). *Highly Surface Activated Carbon To Remove Cr(VI) From Aqueous Solution With Adsorbent Recycling*. *Environmental Research*. 197 (2021) 111151.
- Yongmei Wang, C. P.-O.-C.-V. (2020). Cr(VI) Adsorption On Activated Carbon: Mechanisms, Modeling And Limitations In Water Treatment. *Journal of Environmental Chemical Engineering* 8, 104031.
- Z.A. Al-Othman, R. A. (2012). Hexavalent chromium removal from aqueous medium by activated carbon prepared from peanut shell: Adsorption kinetics, equilibrium and thermodynamic studies. *Chemical Engineering Journal*. Volume 184, 238-247.