

## DAFTAR PUSTAKA

- A.L. Ahmad, Sumathi.S & Hameed.B.H, 2005, Adsorption of residue oil from palm oil mill effluent using powder and flake chitosan: Equilibrium and kinetic studies, *Water Research*, 39: 2483-2494
- A.Gurses, Dogar.C, Yalcin.M, Acikyildiz.M, Bayrak.R & Karaca.S, 2006, The adsorption kinetics of the cationic dye, methylene blue onto clay, *J.of Hazardous Materials* B131: 217-228
- A. S. Buchanan & Oppenheim. R. C, 1968, The Surface chemistry of kaolinite I. Surface leaching, , *Aust. J. Chem*:21, 2367-71
- D.Fischer, Caseri. W. R & Hahner. G, 1998, Orientation and Electronic Structure of Ion Exchanged Dye Molecules on Mica: An X-Ray Absorption Study, *Journal of Colloid and Interface Science* 198: 337-346
- D.L.Guerra & Airoidi.C, 2008, Anchored thiol smectite clay, kinetic and thermodynamic studies of divalent copper and cobalt adsorption, *Journal of Solid State Chemistry* 181: 2507- 2515
- D.M.Manohar., Noeline.B.F & Anirudhan.T.S, 2006, Adsorption performance of Al-pillared bentonite clay for the removal of cobalt(II) from aqueous phase, *Applied Clay Science*, 31:194-206
- G. Ekosse, 2001, Resource Note: Provenance of the Kgwakgwe kaolin deposit in Southeastern Botswana and its possible utilization, *Applied Clay Science*, 20: 137-152
- F.J.Alguacil., Alonso.M & Lozano.L.J, 2004, Chromium(III) recovery from waste acid solution by ion exchange processing using Amberlite IR-120 resin: batch and continuous ion exchange modelling, *Chemosphere*, 57: 789-793
- G. Crini., Peindy.H.N, Gimbert.F & Robert.C, 2007, Removal of C.I Basic Green 4 (malachite Green) from aqueous solutions by adsorption using cyclodextrin-based adsorbent: Kinetic and equilibrium studies, *Separation and Purification Technology*, 53: 97-110

- H. Bekkum, Flanigen. E. M, Jacobs. P. A & Jansen. J. C, editor, 2001, *Introduction to Zeolite Science and Practice: 8. Techniques of zeolite characterization*, 2nd Edition, Elsevier, Amsterdam
- H.H.Murray, 2000, Traditional and new applications for kaolin, smectite, and palygorskite: a general overview, *Applied Clay Science* 17: 207-221
- J.C. Miranda-Trevino & Coles.C.A, 2003, Kaolinite properties, structure and influence of metal retention on pH, *Applied Clay Science* 23 : 133– 139
- J-Q.Jiang, Cooper.C & Ouki.S, 2002, Comparison of modified montmorillonite adsorbents Part I: preparation, characterization and phenol adsorption, *Chemosphere* 47: 711-716
- J-Q.Jiang & Zeng.Z, 2003, Comparison of modified montmorillonite adsorbents Part II: The effect of the type of raw clays and modification conditions on the adsorption performance, *Chemosphere* 53: 53-62
- K. Bellir, Bencheikh-Lehocine.M, Meniai.A-H & Gherbi.N, 2005, Study of retention of heavy metals by natural material used as liner in landfills, *Desalination*, 185: 111-119
- K.G.Bhattacharyya & Gupta.S.S, 2006, Kaolinite, montmorillonite, and their modified derivatives as adsorbents for removal of Cu(II) from aqueous solution, *Separation and Purification Technology* 50: 388-397
- K.G.Bhattacharyya & Gupta.S.S, 2008, Kaolinite and montmorillonite as adsorbents for Fe(III),Co(II) and Ni(II) in aqueous medium, *Applied Clay Science* 41 : 1- 9
- L.Zhou, Wang.Y, Liu.Z & Huang.Q, 2009, Characteristics of equilibrium, kinetics studies for adsorption of Hg(II), Cu(II),and Ni(II) ions by thiourea-modified magnetic chitosan microspheres, *Journal of Hazardous Materials* 161: 995–1002
- M.Hajjaji, Kacim.S, Alami.A, El Bouadili.A & El Mountassir.M, 2001, Chemical and mineralogical characterization of a clay taken from the Moroccan Meseta and a study of the interaction between its fine fraction and methylene blue, *Applied Clay Science* 20: 1–12
- M. Majdana, Kowalska-Ternes. M, Pikusa.S, Staszczuka.P, Skrzypek. H & Ziebab. E, 2003, Vibrational and scanning electron microscopy study of the mordenite modified by Mn, Co, Ni, Cu, Zn and Cd, *J.Mol.Struct*, 649:279-285

- M. Rozic, Cerjan-Stefanovi.S, Kurajica.S, Macefat.M.R, Margeta. K & Farkas.A, 2005, Decationization and dealumination of clinoptilolite tuff and ammonium exchange on acid-modified tuff, *Journal of Colloid and Interface*, 284: 48-56
- M. Sathishkumar, Binupriya. A.R, Kavitha. D & Yun. S.E, 2007, Kinetic and isothermal studies on liquid-phase adsorption of 2,4-dichlorophenol by palm pith carbon, *Bioresource Technology*, 98 : 866–873
- M. Sprynskyy<sup>(1)</sup>, Lebedynets.M, Terzyk.A.P, Kowalczyk.P, Namiesnik.J & Buszewski.B, 2005, Ammonium sorption from aqueous solutions by natural zeolite Transcarpathian clinoptilolite studied under dynamic conditions, *Journal of Colloid And Interface Science*, 284: 408-415
- M.Sprynskyy<sup>(2)</sup>, Lebedynets.M, Zbytniewski.R, Namiesnik.J & Buszewski.B, 2005, Ammonium removal from aqueous solutions by natural zeolite, Transcarpathian mordenite, kinetics, equilibrium and column tests, *Journal of Colloid And Interface Science*, 46: 155-160
- M.Sprynskyy, 2009, Solid–liquid–solid extraction of heavy metals (Cr, Cu, Cd, Ni and Pb) in aqueous systems of zeolite–sewage sludge, *Journal of Hazardous Materials* 161: 1377–1383
- Muhdarina & Erman, 1999, Modifikasi struktur dan karakter lempung alam, disajikan pada Seminar Hasil Penelitian Universitas Riau
- Muhdarina, Linggawati.A, Verawaty dan Mardanus, 2000, Jarak kisi, rasio Si/Al dan kation-kation penukar padatan lempung alumina terpillar, *Jurnal Natur Indonesia* III (1): 27-31
- N.C. Brady, 1990, *The nature and properties of soil*, 3<sup>th</sup> ed, Maxmillan International Edition, New York, 177-211
- O.Yavuz, Altunkaynak .Y & Guzel. F, 2003, Removal of copper, cobalt and manganese from aqueous solution by kaolinite, *Water Research*. 37: 948–952
- P. Baskaralingam., Pulikesi.M, Ramamurthi.V & Sivanesan.S, 2006, Short communication: Equilibrium studies for the adsorption of Acid dye onto modified hectorite, *Journal of Hazardous Materials*, B136 : 989–992

- P. Castaldi, L. Santona, L. Cozza, C. Giuliano, V. Abbruzzese, C. Nastro, V. & Melis, P., 2005, Thermal and spectroscopic studies of zeolites exchanged with metal cations, *J. Mol. Struct.*, 734: 99-105
- R.E. Grims, 1968, *Clay Mineralogy*, 2<sup>nd</sup> ed, McGraw-Hill Book Company, New York
- R. H. Worden, S.J. Needham & J. Cuadros, 2006, The worm gut; a natural clay mineral factory and a possible cause of diagenetic grain coats in sandstones *Journal of Geochemical Exploration* 89: 428-431
- S.M. Dal Bosco, R.S. Jimenez & W.A. Carvalho, 2005, Removal of toxic metals from wastewater by Brazilian natural scolecite, *Journal of Colloid And Interface Science*, 281: 424-431
- S.S. Gupta & B. Bhattacharyya, 2005, Interaction of metal ions with clays: I. A case study with Pb(II), *Applied Clay Science*, 30: 199-208
- S.S. Taher & R. Naseem, 2007, Removal of Cr(III) from tannery wastewater by adsorption onto bentonite clay, *Separation and Purification Technology*, 53: 312-321
- T. Missana & M. Garcia-Gutierrez, 2006, Adsorption of bivalent ions (Ca(II), Sr(II) and Co(II)) onto FEBEX bentonite, *Physics and Chemistry of the Earth* xxx: xxx-xxx (article in press)
- T.S. Anirudhan & P.G. Radhakrishnan, 2007, Thermodynamics and kinetics of adsorption of Cu(II) from aqueous solutions onto a new cation exchanger derived from tamarind fruit shell, *J. Chem. Thermodynamics*, xxxxxx (article in press)
- T. Shahwan, H.N. Erten & S. Unugur, 2006, Priority communication: A characterization study of some aspect of the adsorption of aqueous Co<sup>2+</sup> ions on natural bentonite clay, *Journal of Colloid And Interface Science*, 300: 447-452
- W.S. Wan Ngah & M.A.K.M. Hanafiah, 2008, Adsorption of copper on rubber (*Hevea brasiliensis*) leaf powder: Kinetic, equilibrium and thermodynamic studies, *Biochemical Engineering Journal* 39: 521-530

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- Y. Anbri, Tijani.N, Coronas.J, Mateo.E, Menéndez.M & Bentama.J, 2008, Clay plane membranes: development and characterization, *Desalination* 221: 419–424
- X.Xiong, Stagnitti.F, Allinson.G, Turoczy.N, Li.P, LeBlanc.M, Cann.M.A, Doerr.S.H, Steenhuis.T.S, Parlange.J-Y, de Rooij.G, Ritsema.C.J & Dekker.L.W, 2005, Short Communication. Effects of clay amendment on adsorption and desorption of copper in water repellent soil, *Australian Journal of Soil Research* 43: 397-402