

DAFTAR PUSTAKA

- Andersen, M.K., Refsgaard, A., Raulund-Rasmussen, K., Strobel, B.W., and Hensen, H.C.B., 2002, Content, Distribution, and solubility of cadmium in arable and forest soils, *Soil. Sci. Soc. Am. J.*, 66, 1829-1835.
- Alloway, B.J. and D.C. Ayres, 1997, *Chemical Principles of Environmental Pollution*, Blackie Academic and Professional, London.
- Altaf, M.M., Masood, F., and Malik, A., 2008, Impact of Longterm Application of Treated Tannery Effluents on the Emergence of Resistance Traits in *Rhizobium* sp. Isolated from *Trifolium alexandrinum*, *Turkish J. Biol.*, 32(1), 1–8.
- Anonim, 1997, *DIN ISO 11260 Soil quality: Determination of Effective Cation Exchange Capacity and Bulk Saturation Level Using Barium Chloride Solution*, The German Institute for Standardization, Berlin.
- Anonim, 2002, *BS EN 13656 Characterization of Waste – Microwave Assisted Digestion with Hydrofluoric (HF), Nitric (HNO₃) and Hydrochloric (HCl) Acid Mixture for Subsequent Determination of Elements*, British Standards Institution, London.
- Badri, D.V. and Vivanco, J.M., 2009, Regulation and function of root exudates, *Plant Cell Environ.*, 32, 666-681.
- Barrera-Diaz, C.E., Lugo-Lugo, V., and Bilyeu, B., 2012, A Review of Chemical, Electrochemical, and Biological Methods for Aqueous Cr(VI) Reduction, *J. Hazard. Mater.*, 223-224, 1-12.
- Bartlett, R.J. and Kimble, J.M., 1976, Behavior of Chromium in Soils I. Trivalent forms, II. Hexavalent forms, *J. Environ. Qual.*, 5, 379–386.
- Bowden, J.W., Posner, A.M., and Quirk, J.P., 1980, *Adsorption and Charging Phenomena in Variable Charge Soils. Soils with Variable Charge*, New Zealand Society of Soil Science, Lower Hutt.
- Brady, N.C., 1990, *The Nature and Properties of Soil*, Mac. Millan Publishing Co, New York.
- Chao, Y.K., Wu, C.H., Shang, L.L., and Cheng, F.L., 2001, Modelling Competitive Adsorption of Molybdate, Sulfate and Selenate on γ -Al₂O₃ by triple-layer model, *J. Colloid Interface Sci.*, 223, 259-264.
- Chiang, P.N., Wang, .K., Huang, P., and Wang, J.J., 2011, Effects of low molecular weight organic acids on ¹³⁷Cs release from contaminated soils, *Appl Radiat Isotopes.*, 69, 844-851.

- Dos Santos, V.C.G., Salvado, A.P.A., Dragunski, D.C., Peraro, D.N.C., Tarley, C.R.T., and Caetano, J., 2012, Highly improved chromium (III) uptake capacity in modified sugarcane bagasse using different chemical treatments, *quim.nova*, 35(8), 1606-1611.
- Goswani, S. and Ghosh, U. C., 2005, Studies on adsorption behavior of Cr(VI) onto synthetic hydrous stannic oxide, *Water SA*, 31, 597-602.
- Gupta, S.S. and Bhattacharayya, G.K., 2008, Immobilization of Pb(II), Cd(II), Ni(II) ions on kaolinite and montmorillonite surfaces from aqueous medium, *J. Environ. Manage.*, 87, 46-58.
- Hakim, N., Yusuf, N., Sutopo, G.N., Amin, D.M., Go, B.H., dan Bailey, H.H., 1986, *Dasar-dasar Ilmu Tanah*, Universitas Lampung, Lampung.
- Hardiyati, T., Sulastri, A., Sukarsa, dan Proklamasiningsih, E., 1996, Hubungan antara Pemupukan Nitrogen dengan Kandungan Logam Berat pada Tanaman Kangkung, *Majalah Ilmiah Universitas Jenderal Soedirman*, 1(12), 79-88.
- Harter, R.D. and Naidu, R., 1995, Role of Metal-Organic Complexation in Metal Sorption by Soils, *Adv. Agron.*, 55, 219-263.
- Ho, Y.S. and McKay, G., 1998, Pseudo-second order model for sorption processes, *Process Biochemistry*, 34, 451-465.
- Jalali, M. and Taghipour, M., 2016, Influence of organic acids on kinetic release of chromium in soil contaminated with leather factory waste in the presence of some adsorbents, *Chemosphere*, 155, 395-404.
- Jiang, H., Li, T., Han, X., Yang, X., and He, Z., 2012, Effects of pH and Low Molecular Weight Organic Acids on Competitive Sorption and Desorption of Cadmium and Lead in Paddy Soils, *Environ. Monit. Assess.*, 184, 6325-6335.
- Jing, Y.D., He, Z.L., and Yang, X.E., 2007, Effect of pH, organic acids, and Competitive Cations on Mercury Desorption in Soil, *Chemosphere*, 69, 1662-1669.
- Kabata-Pendias, A. and Mukherjee, A.B., 2007, *Trace Elements from Soil to Human*, Springer Science+Business Media, Berlin.
- Karathanasis, A.D., 1999, Subsurface Migration of Copper and Zinc Mediated by Soil Colloids, *Soil Sci. Soc. Am. J.*, 63, 830-838.
- Kotas, J. and Stasicka, Z., 2000, Chromium Occurrence in the Environment and Methods of Its Speciation, *Environ. Pollut.*, 107, 263-283.

- Lim, T. T., Tay, J. H., and Teh, C. I., 2002, Contamination Time Effect on Lead and Cadmium Fractination in a Tropical Coastal Clay, *J. Environ. Qual.*, 31, 806 – 812
- Lu, S.G. and Xu, Q.F., 2009, Competitive Adsorption of Cd, Cu, Pb, and Zn by Different Soils of Eastern China, *Environ. Geol.*, 57, 685-693.
- Munawar, A., 2013, *Kesuburan Tanah dan Nutrisi Tanaman*, IPB Press, Bogor.
- Naidu, R. and Harter, R.D., 1998, Effect of Different Organic Ligands on Cadmium Sorption and Extractability from soils, *Soil Sc. Soc. Am. J.*, 62 (3), 644-650.
- Oscik, J., and Cooper, I. L., 1982, *Adsorption*, Ellis Horwood Limited, England.
- Pearson, R.G., 1968, Hard soft acids and bases, HSAB, Part I. Fundamental Principles, *J. Chem. Educ.*, 45, 581.
- Qin, F., S han, X.X., and Wei, B., 2004, Effects of low-molecular-weight organic acids and residence time on desorption of Cu, Cd, and Pb from soils, *Chemosphere*, 57, 253-263.
- Stevenson, F.J., 1994, *Humus Chemistry: Genesis, Composition, and Reactions*, John Willey and Sons Inc., New York.
- Thorstensen, T.C., 1976, *Practical Leather Technology*, Robert R. Krieger Publishing Company, New York.
- Verloo, M., 1993, *Chemical Aspects of Soil Pollution*, ITC-Gen Publication Series 4: 17-46.
- Wang, N., Zhu, L., Wang, D., Wang, M., Lin, Z., and Tang, H., 2010, Sono- Assited Preparation of Highly-Efficient Peroxidase-like Fe₃O₄ Magnetic Nanoparticles for Catalytic Removal of Organic Pollutants With H₂O₂, *Ultrason. Sonochem.*, 17, 526-533.
- Wasay, S.A., Barrington, S.F., and Tokunaga, S., 1998, Organic Acids to Remediate a Clay Loam Polluted by Heavy Metals, *Can. Agri. Eng.*, 40, 9-15.
- Wasay, S.A., Barrington S.F., Tokunaga, S., and Prasher, S., 2007, Kinetics of Heavy Metal Desorption from Three Soils Using Citric Acid, Tartaric Acid, and EDTA, *J. Environ. Eng. Sci.*, 6, 611-622.
- Xin, K.E., Pei-jun, L., Qi-xing, Z., Yun, Z., and Tie-heng, S., 2006, Removal of Heavy Metals from a Contaminated Soil Using Tartaric Acid, *J. Environ. Sci.*, 18(4), 727-733.

- Xu, R.K. and Ji, G.L., 2003, Effect of Anions of Low-Molecular-Weight Organic Acids on Adsorption and Desorption of Aluminum by and from a Kaolinite at Different pH, *Soil Sci.*, 168(1), 39-44.
- Yang, J.Y., Yang, X.E., He, Z.L., Li, T.Q., Shentu, J.L., and Stoffella, P.J., 2006, Effects of pH, Organic Acids, and Inorganic Ions on Lead Desorption from Soils, *Environ. Pollut.*, 143, 9–15.
- Yuan, S., Xi, Z., Jiang, Y., Wan, J., Wu, C., Zheng, Z., and Lu, X., 2007, Desorption of Copper and Cadmium from Soils Enhanced by Organic Acids, *Chemosphere*, 68(7), 1289–1297.