



## **DAFTAR PUSTAKA**

- Adamson, A., dan Gast, A., 1997, Arthur W. Adamson, Alice P. Gast - Physical chemistry of surfaces-Wiley (1997).pdf:
- Al-Mashaikie, S.Z.A.K., dan Al-Hawbanie, A.M., 2010, Petrography and geochemical study of the perlite rocks from bait Al-Qeyarie, Kawlan Area, Yemen: Journal of King Abdulaziz University, Earth Sciences, v. 21, p. 195–217, doi:10.4197/ear.21-2.8.
- Alley, E.R., 2007, Water Quality Control Handbook: v. 1, 32–35, 191–240 p.
- Asrari, E., 2014, Heavy metal contamination of water and soil: Analysis, assessment, and remediation strategies: 1–348 p., doi:10.1201/b16566.
- Bastani, D., Safekordi, A.A., Alihosseini, A., dan Taghikhani, V., 2006, Study of oil sorption by expanded perlite at 298.15 K: Separation and Purification Technology, v. 52, p. 295–300, doi:10.1016/j.seppur.2006.05.004.
- Bhattacharya, S., Gupta, A.B., Gupta, A., dan Pandey, A., 2018, Water Remediation Energy, Environment, and Sustainability:, <http://www.springer.com/series/15901>.
- Boyd, C.E., 2015, Water quality: An introduction: 1–357 p., doi:10.1007/978-3-319-17446-4.
- Chakir, A., Bessiere, J., Kacemi, K.E.L., dan Marouf, B., 2002, A comparative study of the removal of trivalent chromium from aqueous solutions by bentonite and expanded perlite: Journal of Hazardous Materials, v. 95, p. 29–46, doi:10.1016/S0304-3894(01)00382-X.
- Estim, A., Saufie, S., dan Mustafa, S., 2019, Water quality remediation using aquaponics sub-systems as biological and mechanical filters in aquaculture:



Journal of Water Process Engineering, v. 30, doi:10.1016/j.jwpe.2018.02.001.

Garman, D.E.J., 1983, Monitoring ( water quality).: 115–149 p.,  
doi:10.1016/c2011-0-05798-8.

Ghassabzadeh, H., Mohadespour, A., Torab-Mostaedi, M., Zaheri, P., Maragheh, M.G., dan Taheri, H., 2010a, Adsorption of Ag, Cu and Hg from aqueous solutions using expanded perlite: Journal of Hazardous Materials, v. 177, p. 950–955, doi:10.1016/j.jhazmat.2010.01.010.

Ghassabzadeh, H., Torab-Mostaedi, M., Mohaddespour, A., Maragheh, M.G., Ahmadi, S.J., dan Zaheri, P., 2010b, Characterizations of Co (II) and Pb (II) removal process from aqueous solutions using expanded perlite: Desalination, v. 261, p. 73–79, doi:10.1016/j.desal.2010.05.028.

Grace, M.N., Leslie, P.F., dan Frédéric, D.J., 2016, Geochemical modeling of brine remediation using accelerated carbonation of fly ash: Desalination and Water Treatment, v. 57, p. 4853–4863, doi:10.1080/19443994.2014.1003607.

Le Bas, M.J., Le Maitre, R.N., Streckeisen, A., dan Zanettin, B., 1986, A chemical classification of volcanic rock based on total silica diagram: Journal Petrology, v. 27, p. 745–750, <http://petrology.oxfordjournals.org/>.

Liu, L., Luo, X.B., Ding, L., dan Luo, S.L., 2018, Application of Nanotechnology in the Removal of Heavy Metal From Water: Elsevier Inc., 83–147 p., doi:10.1016/B978-0-12-814837-2.00004-4.

Meriani, S., dan Fontanive, F., 1976, A chemical evaluation of expanding perlitic rocks: Materials Chemistry, v. 1, p. 347–358, doi:10.1016/0390-6035(76)90033-X.

Mohd, I., Ahamed, I., dan Lichtfouse, E., 2021, Water Pollution and Remediation:



Heavy Metals: v. 53, 1–581 p., <http://link.springer.com/10.1007/978-3-030-54723-3>.

Naftz, D.L., Morrison, S.J., Davis, J.A., dan Fuller, C.C.C.N.-O.T.D. 426. H., 2002, Handbook of Groundwater Remediation using Permeable Reactive Barriers: Applications to Radionuclides, Trace Metals, and Nutrients: 544 p., <https://linkinghub.elsevier.com/retrieve/pii/B9780125135634500001>.

Niu, Z., Liu, L., Zhang, L., dan Chen, X., 2014, Porous graphene materials for water remediation: Small, v. 10, p. 3434–3441, doi:10.1002/smll.201400128.

Nuriadi, \*, Napitupulu, M., dan Rahman, N., 2013, ANALISIS LOGAM TEMBAGA (Cu) PADA BUANGAN LIMBAH TROMOL (TAILING) PERTAMBANGAN POBOYA: Jurnal Akademika Kimia, v. 2, p. 90–96, <http://jurnal.untad.ac.id/jurnal/index.php/JAK/article/view/7732>.

Ossai, I.C., Ahmed, A., Hassan, A., dan Hamid, F.S., 2020, Remediation of soil and water contaminated with petroleum hydrocarbon: A review: Environmental Technology and Innovation, v. 17, doi:10.1016/j.eti.2019.100526.

Permenkes RI, 2010, Peraturan Menteri Kesehatan Republik Indonesia Nomor 492/Menkes/Per/IV/2010 Tentang Persyaratan Kualitas Air Minum: Peraturan Menteri Kesehatan Republik Indonesia, p. MENKES.

Prando, G., 2017, Water remediation: A steam nanogenerator: Nature Nanotechnology, v. 12, p. 506, doi:10.1038/nnano.2017.117.

Richards, S., Dawson, J., dan Stutter, M., 2019, The potential use of natural vs commercial biosorbent material to remediate stream waters by removing heavy metal contaminants: Journal of Environmental Management, v. 231, p. 275–281, doi:10.1016/j.jenvman.2018.10.019.



- Sari, A., Tuzen, M., Citak, D., dan Soylak, M., 2007, Adsorption characteristics of Cu(II) and Pb(II) onto expanded perlite from aqueous solution: Journal of Hazardous Materials, v. 148, p. 387–394, doi:10.1016/j.jhazmat.2007.02.052.
- Sudiarta, I.W., Suarya, P., dan Widya, C.M.P., 2018, Adsorpsi Multi Logam Berat Krom(Iii), Timbal(Ii), Dan Tembaga(Ii) Dalam Sistem Larutan Binary Oleh Silika Gel Terimobilisasi Difenilkarbazida: Jurnal Kimia, p. 159, doi:10.24843/jchem.2018.v12.i02.p11.
- Tang, M., Triantafyllidou, S., dan Edwards, M., 2013, In situ remediation of leaks in potable water supply systems: Corrosion Reviews, v. 31, p. 105–122, doi:10.1515/corrrev-2013-0026.
- Torab-Mostaedi, M., Ghaemi, A., Ghassabzadeh, H., dan Ghannadi-Maragheh, M., 2011, Removal of strontium and barium from aqueous solutions by adsorption onto expanded perlite: Canadian Journal of Chemical Engineering, v. 89, p. 1247–1254, doi:10.1002/cjce.20486.
- Turan, N.G., dan Ergun, O.N., 2008, Improving the quality of municipal solid waste compost by using expanded perlite and natural zeolite: Clean - Soil, Air, Water, v. 36, p. 330–334, doi:10.1002/clen.200700135.