DAFTAR PUSTAKA

_____, *Peraturan Menteri Kesehatan Republik Indonesia Nomor 32 Tahun 2017 tentang Standar Baku Mutu Kesehatan Lingkungan dan Persyaratan Kesehatan Air Untuk Keperluan Higiene Sanitasi, Kolam Renang, Solus Per Aqua.*

_____, *Peraturan Pemerintah Republik Indonesia Nomor 82 Tahun 2001 tentang Pengelolaan dan Kualitas Air dan Pengendalian Pencemaran Air.*

Alloway, B., dan Ayres, D. C. 1997, *Chemical Principles of Environmental Pollution,* 2nd edn, Blackie Academic and Professional, London.

Annisa, F. 2016, 'Kadar dan Sebaran Pencemaran Arsenik (As), Merkuri (Hg), dan Timbal (Pb) di Lokasi Penambangan Emas Primer Desa Boto dan Sekitarnya, Kabupaten Wonogiri, Provinsi Jawa Tengah', Skripsi, Departemen Teknik Geologi Fakultas Teknik UGM, Yogyakarta, tidak dipublikasikan.

Aribowo, S., Al Kautsar, A., dan Setiawan, I. 2013, 'Analisis Kekar dan Vein Permukaan dalam Sesar Pembentuk Mineralisasi Hidrotermal Daerah Wonogiri, Jawa Tengah', *Prosiding Pemaparan Hasil Penelitian Puslit Geoteknologi*, LIPI, Bandung, pp. 155-165.

Asdak, C. 2004, *Hidrologi dan Pengelolaan Daerah Aliran Sungai*, 3rd edn, Gadjah Mada University Press, Yogyakarta.

Alsa, A. 2001, 'Kontroversi Uji Asumsi dalam Statistik Parametrik', *Buletin Psikologi, Tahun IX, No. 1 Juni 2001*, pp. 18-22.

Aspinall, C. 2001, 'Small-scale Mining in Indonesia, International Institute for Environment and Development', *Mining Minerals and Sustainable Development Report*, Jakarta.

Balfas, M. D. 2015, *Geologi untuk Pertambangan Umum*, Graha Ilmu, Yogyakarta.

Balifokus 2015, *International mercury treaty enabling activities program (IMEAP),* dilihat 14 April 2018, <http://www.ipen.org/>.

Banks, D., Younger, P.L., Arnesen, R.-T., Iversen, E.R., & Banks, S. 1997, 'Mine-water chemistry: the good, the bad and the ugly', *Environmental Geology*, vol.32, pp.157-174.

Borůvka, L., Vacek, O., dan Jehlička, J. 2005, 'Principal component analysis as a tool to indicate the originrt of potentially toxic elements in soils', Geoderma 128 (2005), Elsevier B.V., pp. 289–300

Bradl, H.B. 2005, *Heavy Metals in the Environment*, Elsevier Ltd, London.

Cahyono, T. 2015, *Statistik Uji Normalitas*, 1st edn, Yayasan Sanitarian Banyumas (Yasamas), Purwokerto.

Chapman, G. 1978, *Toxicological considerations of heavy metals in the aquatic environment, In Toxic Materials in the Aquatic Environment*, Oregon State University, WRI, Corvallis,OR.

Coe, A.L., Argles, T.W., Rothery, D.A., dan Spicer, R.A. 2010, *Geological Field Techniques*, Blackwell Publishing, London.

de Lacerda, L.D. dan Salomons, W. 1998, *Mercury from Gold and Silver Mining: A Chemical Time Bomb?*, Springer-Verlag, Berlin.

Davis, J. C. 2002, *Statistics and Data Analysis in Geology*, 3rd edn, John Wiley & Sons, Inc, New York.

Fahmi, F. L. 2014, 'Kadar dan Sebaran Pencemaran Merkuri (Hg) di Lokasi Penambangan Tradisional Emas Primer, Desa Paningkaban, dan Sekitarnya, Kabupaten Banyumas, Provinsi Jawa Tengah', Skripsi, Jurusan Teknik Geologi, Universitas Gadjah Mada, tidak dipublikasikan.

Förstner, U. dan Whittman, G.T.W. 1979, *Metal Pollution in the Aquatic Environment*, Springer-Verlag, Berlin.

Gabrielyan, A.V., Shahnazaryan, G.A., dan Minasyan, S.H. 2018, 'Distribution and Identification of Sources of Heavy Metals in the Voghji River Basin Impacted by Mining Activities (Armenia)', *Journal of Chemistry*, dilihat 29 April 2018, <https://www.hindawi.com/journals/jchem/2018/7172426/>.

Ghozali, I. 2011, *Aplikasi Analisis Statistika Multivariate Dengan Program IBM SPSS 19*, 5th edn, Badan Penerbit Universitas Diponegoro, Semarang.

Hemond, H.F. dan Fechner-Levy, E.J. 1999, *Chemical Fate and Transport in the Environment*, 2nd edn, Academic Press, London.

Hentschel, T., Hruschka, F., dan Priester, M. 2002, 'Global Report on Artisanal & Small-Scale Mining', *International Institute for Environment and Development, London*, vol. 70.

Hou, D., O'Connor, D., Nathanail, P., Tian, L., dan Ma, Y. 2017, 'Integrated GIS and multivariate statistical analysis for regional scale assessment of heavy metal soil contamination: A critical review', *Environmental Pollution 231 (2017)*, Elsevier Ltd., pp. 1188-1200.

Hou, X. dan Bradley T. J. 2000, *Inductively Coupled Plasma/Optical Emission Spectrometry*, John Wiley & Sons Ltd., Chichester.

Husein, S. dan Srijono 2007, Tinjauan Geomorfologi Pegunungan Selatan DIY/ Jawa Tengah: telaah peran faktor endogenik dan eksogenik dalam proses pembentukan pegunungan, *Prosiding Seminar Potensi Geologi Pegunungan Selatan dalam Pengembangan Wilayah*, Pusat Survei Geologi, Yogyakarta.

Kusuma, R.C. 2018, 'Kajian Kandungan Logam Berat pada Sedimen dan Air Sungai di Lokasi Penambangan Emas Tradisional, Kecamatan Kokap, Kabupaten Kulon Progo', Tesis, Departemen Teknik Geologi Fakultas Teknik UGM, Yogyakarta, tidak dipublikasikan.

Macdonald, K.F. 2016, 'Impacts of Artisanal and Large Scale Gold Mining on Tropical Rivers in West Africa: A Case Study from the Brong Ahafo Region of Ghana', Tesis, School of Science Edith Cowan University, Perth.

Mance, G. 1987, *Pollution Threat of Heavy Metals in Aquatic Environments*, Elsevier Science Publishers Ltd, London.

Manoj, K., Padhy, P. K., dan Chaudhury, S. 2012, ' Study of Heavy Metal Contamination of the River Water through Index Analysis Approach and Environmetrics', *Bulletin Environment Pharmacology and Life Science, Volume 1 [10] September 2012*, Academy for Environment and Life Sciences, India, pp. 07-15.

Miller, J.R. 1996, 'The role of fluvial geomorphic processes in the dispersal of heavy metals from mine sites', *Journal of Geochemical Exploration*, Vol. 58, Elsevier Science, Oxford, pp. 101-118

Moore, F. dan Attar, A. 2011. 'Antrophogenic Source of Heavy Metals in Deposited Sediments From Runoff and Industrial Effluent, Shiraz, Sw, Iran', *2nd International Conference on Enviromental Scince and Technology, IPCBEE*, Vol. 6.

Mueller, S.H., Goldfrab, R.J., Verplanck, P.L., Trainor, T.P., Sanzolone R.F. dan Adams, M 2007, 'Surface-Water, Ground-Water, and Sediment Geochemistry of Epizonal and Shear-Hosted Mineral Deposits in the Tintina Gold Province—Arsenic and Antimony Distribution and Mobility', *Scientific Investigations Report 2007-5289-G*, US Departmente of the Interior US Geological Survey.

Ning, L., Liyuan, Y., Jirui, D., Xigui, P. 2011, 'Heavy Metal Pollution in Surface Water of Linglong Gold Mining Area, China', *Procedia Environmental Sciences*, Vol. 10, pp. 914-917.

Nugroho, A., Hendro, W., dan Fatimah, S. 2007, 'Metode Analisis untuk Penentuan Unsur As dan Sb Menggunakan ICP AES Plasma 40', *Prosiding PPI-PDIPTN*, BATAN,Yogyakarta, pp. 295-299.

Nurcholis, M., Yudiantoro, D.F., dan Haryanto, D. 2016, 'Studi Lingkungan Tambang Emas Rakyat di Gunung Mas Kabupaten Wonogiri', *Prosiding Seminar Nasional Tahun Ke-2 Call For Papers dan Pameran Hasil Penelitian dan Pengabdian Kemenristekdiktik RI*, Lembaga Penelitian dan Pengabdian Masyarakat Universitas Pembangunan Nasional "Veteran" Yogyakata.

Nurcholis, M., Yudiantoro, D.F., Haryanto, D., dan Mirzam, A. 2017, 'Heavy Metals Distribution in the Artisanal Gold Mining Area in Wonogiri', *Indonesian*

Journal of Geography, Vol. 49, No. 2, Faculty of Geography UGM and The Indonesian Geographers Association, pp.133-144.

Qudratullah, M. F. 2014, *Statistika Terapan: Teori, Contoh Kasus, dan Aplikasi dengan SPSS*, Andi Publisher, Yogyakarta.

Reimann, C. dan Caritat, de P. 1998 , *Chemical Elements in the Environment: Factsheets for the Geochemist and Environmental Scientist*, Springer-Verlag, Berlin.

Ren, J., Shang, Z., Tao, L., Wang, X. 2015, 'Multivariate Analysis and Heavy Metals Pollution Evaluation in Yellow River Surface Sediments' *Pol. J. Environ. Stud.*, Vol. 24, No 3.

Reza, R. dan Singh, G. 2010, 'Heavy metal contamination and its indexing approach for river water', *Journal of Environmental Science Technology*, Vol. 7 (4) pp 785-792.

Saha, N. dan Rahman, M. S. 2018, 'Multivariate statistical analysis of metal contamination in surface water around Dhaka export processing industrial zone, Bangladesh', *Environmental Nanotechnology, Monitoring & Managemet 10 (2018)*, Elsevier B.V., pp. 206–211.

Salomons, W., Förstner, U., dan Mader, P. 1995, *Heavy Metals: Problems and Solutions*, Springer-Verlag, Berlin.

Sampurno and Samodra, H.1997, *Peta Geologi Lembar Ponorogo, Jawa Skala 1:100.000*, Pusat Penelitian dan Pengembangan Geologi, Bandung.

Sellinus, O. 2013, *Essentials of Medical Geology*, revised edn, Springer Science+Business, Dordrecht.

Setidjaji, L.D., Kajino, S., Ismai, A., dan Watanabe, K. 2006, 'cenozoic island arc magmatism in java island (sunda arc, indonesia): clues on relationships between geodynamics of volcanic centers and ore mineralization', *Resource Geology*, Vol. 56, No.3, Departemen Teknik Geologi Fakultas Teknik UGM, pp. 267-292.

Smedley, P.L., and Kinniburgh, D.G., 2002, 'A review of the source, behaviour and distribution of arsenic in natural waters', *Applied Geochemistry*, Vol. 17, no. 5, pp. 517–568.

Standar Nasional Indonesia 2008, *Air dan air limbah - Bagian 57: Metoda pengambilan contoh air permukaan*, (SNI 6989.57:2008), Standar Nasional Indonesia, Jakarta.

Subekti, I. 2016, *Geologi Umum*, Teknosain, Yogyakarta.

Sukandarrumidi 2006, *Geologi Medis: Pengantar Pemanfaatan Sumber Daya Geologi dalam Usaha Menuju Hidup Sehat*, Gadjah Mada University Press, Yogyakarta.

Sukmana (Sub Dit. Mineral Logam) 2016, 'Inventarisasi Mineral Logam Mulia di Daerah Kabupaten Wonogiri', Kementerian Energi dan Sumber Daya Mineral, Badan Geologi, Bandung, dilihat 13 Maret 2018, <http://www.psdg.bgl.esdm.go.id>.

Sugiyono 2012, *Metode Penelitian Pendidikan, Pendekatan Kuantitatif, Kualitatif, dan R & D*, Alfabeta, Bandung.

Suproborini, A., Sunarto, Wiryanto, Yudiantoro, D.F., Nurcholis, M., Sayudi, D.S., dan Abdurrachman, M. 2017, 'Keanekaragaman Tanaman Buah dan Kandungan Merkuri Kawasan Penambangan Emas Rakyat Dusun Mesu, Desa Boto, Jatiroto, Wonogiri, Jawa Tengah', *EnviroScienteae*, Vol. 13, pp. 24-32.

Surono 2009, 'Litostratigrafi Pegunungan Selatan Bagian Timur Daerah Istimewa Yogyakarta dan Jawa Tengah', *JSDG*, Vol. 19, No. 3, pp 209-221.

Tahri, M., Benyaîch, F., Bounakhla, M., Bilal, E., Gruffat, J. J., Moutte, J., dan Garcia, D. 2005, 'Multivariate Analysis of Heavy Metal Contents in Soils, Sediments and Water in The Region of Meknes (Central Morocco)', *Environmental Monitoring and Assessment (2005) 102*, Springer, pp. 405–417

Tchounwou, P.B., Yedjou, C.G., Patlolla, A.K., dan Sutton, D. J. 2012, 'Heavy metal toxicity and the environment', *Molecular, Clinical and Environmental Toxicology*, vol. 101, Springer, Basel, Switzerland, pp. 133–164

UNEP – United Nations Environment Programme 2013, *Mercury, Time to Act*, Division of Technology, Industry and Economics (DTIE), Geneva, dilihat 11 April 2018, <http://www.unep.org/PDF/PressReleases/Mercury_TimeToACt.pdf>

Uriah, L., Kenneth, T., Rhoda, G., dan Ayuba, M. 2013, 'Lead and Mercury Contamination Associated with Artisanal Gold Mining in Anka, Zamfara State, North Western Nigeria: The Continued Unabated Zamfara Lead Poisoning', *Journal of Earth Sciences and Engineering 3*, David Publishing, pp. 764-775.

Vuković, Ž., Radenković, M., Stanković, S.J., dan Vuković, D. 2011, 'Distribution and Accumulation of Heavy Metals in the Water and Sediments of the River Sava', *Journal of the Serbian Chemical Society*, 76 (5), pp. 795-803.

van Bemmelen, R.W. 1949, *The Geology of Indonesia, Vol. IA*, General Geology the Hague, Martinus, Nijhoff.

van Zuidam, R. A. 1985, *Aerial Photo-Interpretation in Terrain Analysis and Geomorphologic Mapping*, ITC, Smits Publ., Enschede, The Hague.

Wang, J., Liu, R., Zhang, P., Yu, W., Shen Z., dan Feng, C. 2014a, 'Spatial variation, environmental assessment and source identification of heavy metals in sediments of the Yangtze River Estuary', *Marine Pollution Bulletin 87 (2014)*, Elsevier, pp. 364-373.

Wang, Z., Sun, R., Zhang, H., dan Chen, L. 2014b, 'Analysis and assessment of heavy metal contamination in surface water and sediments: a case study from Luan River, Northern China', *Front. Environ. Sci. Eng*, 9 (2), Springer-Verlag, Berlin, pp. 240-249,

Wright, J. 2005, *Environmental Chemistry*, Taylor & Francis Group, London.

Younger, P. L., Banwart, S. A., and Hedin, R. S. 2002, *Mine Water: Hydrology, Pollution, Remediatio*n, Kluwer Academic Publishers, Dordrecht.

Yudiantoro, D.F., Nurcholis, M., Sayudi, D.S., Abdurrachman, M., Haty, I.P., Pambudi, W., Suproborini, A.2017, 'Mercury Distribution in the Processing of Jatiroto Gold Mine Wonogiri Central Java Indonesia', *Proceeding of 2nd International Conference of Transdiciplinary Research on Environmental Problems in Southeast Asia (TREPSEA),* Vol. 71, pp. 1-7.

Zhang, Z., Lu, Y., Li, H., Tu, Y., Liu B., dan Yang, Z. 2018, 'Assessment of heavy metal contamination, distribution and source identification in the sediments from the Zijiang River, China', *Science of the Total Environment 645 (2018),* Elsevier B.V., pp. 235–243

Zhao, J., Fu, G., Lei, K., dan Li, Y. 2011, 'Multivariate analysis of surface water quality in the Three Gorges area of China and implications for water management', *Journal of Environmental Sciences 2011, 23(9)*, pp. 1460–1471.

Zhaoyong, Z., Abduwadull, J., dan Fengqing, J. 2015, 'Heavy metal contamination, sources, and pollution assessment of surface water in the Tianshan Mountains of China', *Environ Monit Assess (2015)* 187:33, Springer International Publishing, Switzerland.