

DAFTAR PUSTAKA

- Agus, C., Sukandarrumidi, & Wintolo, D. 2005. Dampak Limbah Cair Hasil Pengolahan Emas Terhadap Kualitas Air Sungai dan Cara Mengurangi Dampak dengan Menggunakan Zeolit: Studi Kasus Penambangan Emas Tradisional di Desa Jendi Kecamatan Selogiri Kabupaten Wonogiri Provinsi Jawa Tengah. *Manusia Dan Lingkungan*, 12(1), 13-19.
- Ahmad, F. 2013. Distribution And Prediction On Heavy Metals Pollution Level (Pb, Cd, Cu, Zn, And Ni) In Sediment In Bangka Island Waters Using Load Pollution Index And Geoaccumulation Index. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, 5(1), 170-181. <https://doi.org/10.29244/jitkt.v5i1.7763>
- Alfionita, A. N. A., Patang, P., & Kaseng, E. S. 2019. Pengaruh Eutrofikasi Terhadap Kualitas Air Di Sungai Jeneberang. *Jurnal Pendidikan Teknologi Pertanian*, 5(1), 9. <https://doi.org/10.26858/jptp.v5i1.8190>
- Ali, M. M., Ali, M. L., Islam, M. S., & Rahman, M. Z. 2016. Preliminary assessment of heavy metals in water and sediment of Karnaphuli River, Bangladesh. *Environmental Nanotechnology, Monitoring and Management*, 5, 27-35. <https://doi.org/10.1016/j.enmm.2016.01.002>
- Amiard, J. C., Amiard-Triquet, C., Charbonnier, L., Mesnil, A., Rainbow, P. S., & Wang, W. X. 2008. Bioaccessibility of essential and non-essential metals in commercial shellfish from Western Europe and Asia. *Food and Chemical Toxicology*, 46(6), 2010-2022. <https://doi.org/10.1016/j.fct.2008.01.041>
- Amriani, Hendrarto, B., & Hadiyanto, A. 2011. Bioaccumulation of heavy metals lead (Pb) and zinc (Zn) in blood clams (*Anadara granosa* L.) and mangrove shells (*Polymesoda bengalensis* L.) in Kendari Bay waters (in Bahasa Indonesia). *Jurnal Ilmu Lingkungan*, 9(2), 45-50. Retrieved from https://www.researchgate.net/publication/316946412_BIOAKUMULASI_LOGAM_BERAT_TIMBAL_Pb_DAN_SENG_Zn_PADA_KERANG_DARAH_Anadara_granosa_L_dan_KERANG_BAKAU_Polymesoda_bengalensis_L_DI_PERAIRAN_TELUK_KENDARI
- Anindityo, I. C., Wahyuningsih, N. E., & Darundiati, Y. H. 2021. Kandungan Logam Berat (Pb dan Hg) pada Sayuran di Desa Kopeng Kabupaten Semarang dan Analisis Risiko Kesehatan Lingkungannya. *VISIKES: Jurnal Kesehatan Masyarakat*, 20(1). <https://doi.org/10.33633/visikes.v20i1.4274>
- Antoine, J. M. R., Fung, L. A. H., & Grant, C. N. 2017. Assessment of the potential health risks associated with the aluminium, arsenic, cadmium and lead content in selected fruits and vegetables grown in Jamaica. *Toxicology Reports*, 4(February), 181-187. <https://doi.org/10.1016/j.toxrep.2017.03.006>
- Aspinall, C. 2001. Small-scale mining in Indonesia. *Mining, Minerals and Sustainable Development*, (79), 30. Retrieved from <http://pubs.iied.org/pdfs/G00725.pdf?>

- Aziz, A. S. A., Mahdiana, A., Prayogo, N. ., & Hidayati, N. V. 2022. Akumulasi Logam Berat Cd pada Matriks Air, Sedimen, Ikan Nilem (*Osteochilus hasselti*) di Sungai Tajum, Kabupaten Banyumas, Jawa Tengah, XXIV(2). Retrieved from http://repository.unsoed.ac.id/id/eprint/17520%0Ahttp://repository.unsoed.ac.id/17520/9/DAFTAR_PUSTAKA-Afif_Sofiyan_Abdul_Aziz-L1A018047-Skripsi-2022.pdf
- Aziz, M. 2014. Model Pertambangan Emas Rakyat dan Pengelolaan Lingkungan Tambang di Wilayah Desa Paningkaban, Kecamatan Gumelar, Kabupaten Banyumas, Jawa Tengah. *Dinamika Rekayasa*, 10, 20–28.
- Azizah, M., & Maslahat, M. 2019. Kandungan Logam Berat Timbal (Pb), Kadmium (Cd), dan Merkuri (Hg) di dalam Tubuh Ikan Wader (*Barbodes binotatus*) dan Air Sungai Cikaniki, Kabupaten Bogor Mia, 28(2), 83–93.
- Barus, B. S. 2017. Analisis Kandungan Logam Berat Kadmium (Cd) Dan Merkuri (Hg) Pada Air dan Sedimen di Perairan Muara Sungai Banyuasin. *Maspari Journal*, 9(1), 69–76.
- Bastami, K. D., Bagheri, H., Kheirabadi, V., Zaferani, G. G., Teymori, M. B., Hamzehpoor, A., Ganji, S. 2014. Distribution and ecological risk assessment of heavy metals in surface sediments along southeast coast of the Caspian Sea. *Marine Pollution Bulletin*, 81(1), 262–267. <https://doi.org/10.1016/j.marpolbul.2014.01.029>
- Bayu, A. S., & Andriyono, S. 2022. Analisis Kandungan Logam Berat (Pb , Cd dan As) pada Rumput Laut (*Eucheuma cottonii*) (Studi Kasus : Perairan Laut Wongsorejo , Banyuwangi) Analysis of Heavy Metal Content (Pb , Cd and As) in Seaweed (*Eucheuma cottonii*) (Case Study : Wongsorejo , 13(2), 168–176.
- Bentley, K., & Soebandrio, A. 2017. Arsenic and mercury concentrations in marine fish sourced from local fishermen and fish markets in mine-impacted communities in Rataotok Sub-district, North Sulawesi, Indonesia. *Marine Pollution Bulletin*, 120(1–2), 75–81. <https://doi.org/10.1016/j.marpolbul.2017.04.058>
- Bhagawati, D., Abulias, M. N., & Amurwanto, A. 2014. Fauna Ikan Siluriformes Dari Sungai Serayu, Banjarnegara, Dan Tajum Di Kabupaten Banyumas. *Jurnal MIPA Unnes*, 36(2), 115338.
- Bilotta, G. S., & Brazier, R. E. 2008. Understanding the influence of suspended solids on water quality and aquatic biota. *Water Research*, 42(12), 2849–2861. <https://doi.org/10.1016/j.watres.2008.03.018>
- Bouty, A. A., Riogilang, H., & Mangangka, I. R. 2022. Analisa Potensi Pencemaran Merkuri Pada Sungai Ongkag Dumoga Akibat Kegiatan Pertambangan Emas Tanpa Izin (PETI). *Tekno*, 20, 537–544. Retrieved from <https://ejournal.unsrat.ac.id/index.php/tekno/article/view/44257%0Ahttps://ejournal.unsrat.ac.id/index.php/tekno/article/viewFile/44257/38545>
- Brata, A. A. 2017. Teknik Pengolahan Air Limbah Pada Penambangan Emas Rakyat Dengan Model Pengendapan (Settling) Di Desa Paningkaban, Kecamatan Gumelar, Kabupaten

Banyumas, Jawa Tengah. UPN Veteran Yogyakarta.

- Bratkič, A., Tinta, T., Koron, N., Guevara, S. R., Begu, E., Barkay, T., Faganelli, J. 2018. Mercury transformations in a coastal water column (Gulf of Trieste, northern Adriatic Sea). *Marine Chemistry*, 200(January), 57–67. <https://doi.org/10.1016/j.marchem.2018.01.001>
- Budiarti, A., & Susanti, R. 2008. Analisis Kandungan Logam Berat Merkuri (Hg), Timbal (Pb) Dan Kadmium (Cd) Pada Ikan Baung (*Hemiarus Stornii*) Yang Diperoleh Dari Sungai Kahayan Kalimantan Tengah., 5(1), 31–33. Retrieved from <http://jfu.fmipa.unand.ac.id/index.php/jfu/article/view/576>
- Budiastuti, P., Raharjo, M., & Dewanti, N. A. Y. 2016. Analisis Pencemaran Logam Berat Timbal Di Badan Sungai Babon Kecamatan Genuk Semarang. *Z. Naturforsch. B*, 48b, 1742–1752.
- Cah yani, N., Lumban Batu, D. T. F., & Sulistiono, S. 2017. Heavy Metal Contain Pb, Hg, Cd and Cu in Whiting Fish (*Sillago sihama*) Muscle in Estuary of Donan River, Cilacap, Central Java. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 19(3), 267. <https://doi.org/10.17844/jphpi.v19i3.15090>
- Cheng, W. H., & Yap, C. K. 2015. Potential human health risks from toxic metals via mangrove snail consumption and their ecological risk assessments in the habitat sediment from Peninsular Malaysia. *Chemosphere*, 135, 156–165. <https://doi.org/10.1016/j.chemosphere.2015.04.013>
- Christian, G. D. . & F. 1970. *ATOMIC ABSORPTION SPECTROSCOPY: Applications In Agriculture, Biology, and Medicine by Christian, Gary D.; & Feldman, Fredric J.: Very Good Navy Boards (1970) First Printing. | 100POCKETS*. New York: Wiley - Interscience. Retrieved from <https://www.abebooks.com/first-edition/ATOMIC-ABSORPTION-SPECTROSCOPY-Applications-Agriculture-Biology/88147707/bd>
- Darmono. 2001. *Lingkungan Hidup Dan Pencemaran Hubungannya Dengan Toksikologi Senyawa Logam (Pertama)*. UI Press.
- Dewi, N. K., Prabowo, R., & Trimartuti, N. K. 2014. Analisis Kualitas Fisiko Kimia dan Kadar Logam Berat pada Ikan Mas (*Cyprinus carpio* L.) dan Ikan Nila (*Oreochromis niloticus* L.) di Perairan Kaligarang Semarang. *Analisis Kualitas Fisiko Kimia Dan Kadar Logam Berat Pada Ikan Mas (Cyprinus Carpio L.) Dan Ikan Nila (Oreochromis Niloticus L.) Di Perairan Kaligarang Semarang*, 6(2), 109–116. <https://doi.org/10.15294/biosaintifika.v6i2.3106>
- Djamali, R. A., Betaubun, P., Hermanuadi, D., & Syaban, R. A. 2016. Pemetaan Kognitif Penyebab dan Dampak Eksploitasi Pasir Sepanjang Sempadan Pantai di Kabupaten Merauke. *Seminar Nasional Hasil Penelitian Dan Pengabdian Masyarakat 2016*, 114–119.
- Dohaish, E. J. A. B. 2016. Impact of some heavy metals present in the coastal area of Jeddah, Saudi Arabia on the gills, intestine and liver tissues of *Lutjanus monostigma*, 37(October), 839–843.

- Eckley, C. S., Blanchard, P., McLennan, D., Mintz, R., & Sekela, M. 2015. Soil-Air Mercury Flux near a Large Industrial Emission Source before and after Closure (Flin Flon, Manitoba, Canada). *Environmental Science and Technology*, 49(16), 9750–9757. <https://doi.org/10.1021/acs.est.5b01995>
- Eckley, C. S., Parsons, M. T., Mintz, R., Lapalme, M., Mazur, M., Tordon, R., St Louis, V. 2013. Impact of closing Canada's largest point-source of mercury emissions on local atmospheric mercury concentrations. *Environmental Science and Technology*, 47(18), 10339–10348. <https://doi.org/10.1021/es401352n>
- Edinger, E. N., Azmy, K., Diegor, W., & Siregar, P. R. 2008. Heavy metal contamination from gold mining recorded in Porites lobata skeletons, Buyat-Ratototok district, North Sulawesi, Indonesia. *Marine Pollution Bulletin*, 56(9), 1553–1569. <https://doi.org/10.1016/j.marpolbul.2008.05.028>
- Edward, E., Munawir, K., Yogaswara, D., Falahuddin, D., Kusnadi, A., Triandiza, T., Pesilette, R. N. 2021. Kandungan Logam Berat Pb, Cd, Cu, Zn, Ni dan Senyawa Polisiklik Aromatik Hidrokarbon (PAH) dalam Sedimen di Teluk Jakarta. *Jurnal Sumberdaya Akuatik Indopasifik*, 5(1), 1. <https://doi.org/10.46252/jsai-fpik-unipa.2021.vol.5.no.1.104>
- Esmailzadeh, M., Karbassi, A., & Moattar, F. 2016. Assessment of metal pollution in the Anzali Wetland sediments using chemical partitioning method and pollution indices. *Acta Oceanologica Sinica*, 35(10), 28–36. <https://doi.org/10.1007/s13131-016-0920-z>
- Fardiaz, S. 1992. *Polusi air & udara*. Yogyakarta: Kanisius. Retrieved from <https://opac.perpusnas.go.id/DetailOpac.aspx?id=267593>
- Fathur, M., Yona, D., Hikmah, S., Sari, J., & Ujung, K. 2019. Health Risk Assessments Of Heavy Metals Of Perna Viridis From Banyuurip Waters In Ujung Pangkah , Gresik.
- Fitzgerald, W. F., & Clarkson, T. W. 1991. Mercury and monomethylmercury: Present and future concerns. *Environmental Health Perspectives*, 96, 159–166. <https://doi.org/10.1289/ehp.9196159>
- Froese, R. and D. P. 2022. Citation. Retrieved January 26, 2023, from <https://www.fishbase.se/summary/citation.php>
- Gafur, N. A., Sakakibara, M., Sano, S., & Sera, K. 2018. A case study of heavy metal pollution in water of Bone River by Artisanal Small-Scale Gold Mine Activities in Eastern Part of Gorontalo, Indonesia. *Water (Switzerland)*, 10(11), 1–10. <https://doi.org/10.3390/w10111507>
- Gerson, J. R., Driscoll, C. T., Hsu-Kim, H., & Bernhardt, E. S. 2018. Senegalese artisanal gold mining leads to elevated total mercury and methylmercury concentrations in soils, sediments, and rivers. *Elementa*, 6. <https://doi.org/10.1525/elementa.274>
- Girikallo, G. G., Joseph, W. B. S., & Maddusa, S. S. 2022. Analisis Risiko Kesehatan Lingkungan Paparan Logam Berat Cadmium (Cd) pada Masyarakat Sekitar

- Sungai yang Mengonsumsi Ikan Nilem (*Ostoechillus vittatus*) dari Sungai Desa Bakan Kecamatan Lolayan Kabupaten Bolaang Mongondow. *Jurnal Kesmas*, 11(2), 90–96.
- Goyer, R., Golub, M., Choudhury, H., Hughes, M., Kenyon, E., & Stifelman, M. 2004. Issue Paper on the Human Health Effects of Metals. Washington, DC: US Environmental Protection Agency. Consultado el 10/07/2017. Retrieved from https://www.epa.gov/sites/default/files/2014-11/documents/human_health_effects.pdf
- Gutiérrez-Mosquera, H., Marrugo-Negrete, J., Díez, S., Morales-Mira, G., Montoya-Jaramillo, L. J., & Jonathan, M. P. 2020. Distribution of chemical forms of mercury in sediments from abandoned ponds created during former gold mining operations in Colombia. *Chemosphere*, 258, 127319. <https://doi.org/10.1016/j.chemosphere.2020.127319>
- Hamuna, B., Tanjung, R. H., Suwito, MAury, H., & Alianto. 2018. Kajian kualitas air laut dan indeks pencemaran berdasarkan parameter fisika-kimia di perairan Distrik Depapre, Jayapura. <https://doi.org/10.14710/JIL.16.1.35-43>
- Haryanti. 2016. *Life Science*, 5(1), 1–8.
- Haryanto, D. 2018. Pemanfaatan Limbah Cair Industri Tahu Untuk Pertumbuhan Dan Hasil Kailan.
- Hauber, A. B., González, J. M., Groothuis-Oudshoorn, C. G. M., Prior, T., Marshall, D. A., Cunningham, C., Bridges, J. F. P. 2016. Statistical Methods for the Analysis of Discrete Choice Experiments: A Report of the ISPOR Conjoint Analysis Good Research Practices Task Force. *Value in Health*, 19(4), 300–315. <https://doi.org/10.1016/j.jval.2016.04.004>
- Hidayati, N. V., Prudent, P., Asia, L., Vassalo, L., Torre, F., Widowati, I., Doumenq, P. 2020. Assessment of the ecological and human health risks from metals in shrimp aquaculture environments in Central Java, Indonesia. *Environmental Science and Pollution Research*, 27(33), 41668–41687. <https://doi.org/10.1007/s11356-020-09967-8>
- Hutagalung, H. P. 1994. *Metode Analisis Air Laut, Sedimen dan Biota Buku I*. Lembaga Ilmu Pengetahuan Indonesia.
- Januar, H., Dwiwitno, Hidayah, I., & Hermana, I. 2019. Seasonal heavy metals accumulation in the soft tissue of anadara granosa mollusc form Tanjung Balai, Indonesia. *AIMS Environmental Science*, 6(5), 356–366. <https://doi.org/10.3934/environsci.2019.5.356>
- Javed, M., & Usmani, N. 2016. Accumulation of heavy metals and human health risk assessment via the consumption of freshwater fish *Mastacembelus armatus* inhabiting, thermal power plant effluent loaded canal. *SpringerPlus*, 5(1). <https://doi.org/10.1186/s40064-016-2471-3>
- Jumariah, Saraswati, & Soeprobowati. 2015. Bioakumulasi Logam Berat Pb , Cd , Dan

- Cr Pada Insang Ikan Bandeng (*Chanos chanos* . Froskal) Di Pertambahkan Trimulyo , Semarang. *Seminar Nasional Biologi II Tahun 2015*, 147–151.
- Junaidi, M., Krisnayanti, B. D., Juharfa, & Anderson, C. 2019. Risk of mercury exposure from fish consumption at artisanal small-scale gold mining areas in West Nusa Tenggara, Indonesia. *Journal of Health and Pollution*, 9(21). <https://doi.org/10.5696/2156-9614-9.21.190302>
- Kitong, M. T., Abidjulu, J., & Koleangan, H. S. 2012. Analisis Merkuri (Hg) dan Arsen (As) di Sedimen Sungai Ranoyapo Kecamatan Amurang Sulawesi Utara. *Jurnal MIPA*, 1(1), 16. <https://doi.org/10.35799/jm.1.1.2012.425>
- Lestari, P., & Trihadiningrum, Y. 2019. The impact of improper solid waste management to plastic pollution in Indonesian coast and marine environment. *Marine Pollution Bulletin*, 149, 110505. <https://doi.org/10.1016/J.MARPOLBUL.2019.110505>
- Liang, N., Yang, L., Dai, J., & Pang, X. 2011. Heavy metal pollution in surface water of Linglong gold mining area, China. *Procedia Environmental Sciences*, 10(PART A), 914–917. <https://doi.org/10.1016/j.proenv.2011.09.146>
- Maddusa, S. S., Papatungan, M. G., Syarifuddin, A. R., Maambuat, J., & Alla, G. 2017. Kandungan Logam Berat Timbal (Pb), Merkuri (Hg), Zink (Zn) Dan Arsen (As) Pada Ikan Dan Air Sungai Tondano , Sulawesi Utara. *Al-Sihah: Public Health Science Journal*, 9(2), 153–159.
- Markus Talintuka, L. 2009. Proses Bioakumulasi dan Biotransfer Merkuri (Hg) pada Organisme Perairan di dalam Wadah Terkontrol. *Jurnal Matematika Dan Sains*, 14(3), 89–95. Retrieved from <http://journal.fmipa.itb.ac.id/jms/article/viewFile/246/252>
- MENLHK. 2018. Apa itu merkuri? | Portal Merkuri. Retrieved February 1, 2022, from <https://sitkb3.menlhk.go.id/infomerkuri/?p=334>
- Mining, G., & Poboya, I. 2013. Status Logam Berat Merkuri (Hg) Dalam Tanah Pada Kawasan Pengolahan Tambang Emas Di Kelurahan Poboya, Kota Palu The Level Of Heavy Metal Of Mercury (Hg) In Soil Of Agricultural Area Around Gold Mining In Poboya, 1(2), 127–134.
- Morotai, M. 2015. Penilaian tingkat pencemaran logam berat dalam sedimen di perairan Pulau Morotai, Maluku Utara. *Depik*, 4(2), 95–106. <https://doi.org/10.13170/depik.4.2.2621>
- Muljadi, M. 2013. Pengolahan Limbah Batik Cetak Dengan Menggunakan Metode Filtrasi-Elektrolisis Untuk Menentukan Efisiensi Penurunan Parameter Cod, Bod, Dan Logam Berat (Cr)Setelah Perlakuan Fisika-Kimia. *Ekulibrium*, 12(1), 27–36. <https://doi.org/10.20961/ekuilibrium.v12i1.2176>
- Muryani, E., Prasetya, J. D., & Agustiyar, F. 2021. Analisis dan Sebaran Logam Berat Merkuri (Hg) pada Sungai Tajur dan Sungai Datar di Desa Pancurendang, Kabupaten Banyumas, Provinsi Jawa Tengah. *Prosiding Seminar Nasional Teknik*

Lingkungan Kebumihan Ke-III Fakultas Teknologi Mineral, (22), 22–30. Retrieved from <http://103.23.20.161/index.php/satubumi/article/viewFile/6232/4036>

- Niamul Haque, M., Eom, H. J., Nam, S. E., Shin, Y. K., & Rhee, J. S. 2019. Chlorothalonil induces oxidative stress and reduces enzymatic activities of Na⁺/K⁺-ATPase and acetylcholinesterase in gill tissues of marine bivalves. *PLoS ONE*, 14(4), 1–17. <https://doi.org/10.1371/journal.pone.0214236>
- Noor, R. J., Kabangnga, A., & Fathuddin, F. 2021. Distribusi Spasial dan Faktor Kontaminasi Logam Berat di Pesisir Kota Makassar. *Jurnal Kelautan Tropis*, 24(1), 93–101. <https://doi.org/10.14710/jkt.v24i1.9619>
- Oladipo, S. O., Adeniyi, T., & Anifowoshe, A. 2020. Histological and Hepatic Enzymes Response of *Oreochromis niloticus* and *Clarias anguillaris* to Pollution in Asa River, Ilorin. *Journal of Life and Bio Sciences Research*, 1(01), 16–21. <https://doi.org/10.38094/jlbr114>
- Palgunadi, N. P. G. S. P., & Purnama, I. G. H. 2022. Bioakumulasi Dan Analisis Risiko Kesehatan Masyarakat Dari Pencemaran Logam Berat Pb Dan Cd Pada Ikan Yang Ditangkap Di Tukad Badung, Denpasar., 9(1), 33–49.
- Parawita, D., Insafitri, & Andy Nugraha, W. 2009. Analisis Konsentrasi Logam Berat Timbal (Pb) Di Muara Sungai Porong. *Jurnal Kelautan*, 2(2), 117–124.
- Paundanan, M., Riani, E., & Anwar, S. 2015. Heavy Metals Contamination Mercury (Hg) and Lead (Pb) in Water, Sediment and Torpedo Scad Fish (*Megalaspis cordyla* L) in Palu Bay, Sentral Sulawesi). *Journal of Natural Resources and Environmental Management*, 5(2), 161–168. <https://doi.org/10.19081/jpsl.5.2.161>
- Pirrone, N., Cinnirella, S., Feng, X., Finkelman, R. B., Friedli, H. R., Leaner, J., ... Telmer, K. 2010. Global mercury emissions to the atmosphere from anthropogenic and natural sources. *Atmospheric Chemistry and Physics*, 10(13), 5951–5964. <https://doi.org/10.5194/acp-10-5951-2010>
- Polii B, & Desmi N. 2012. Pendugaan kandungan merkuri dan sianida di daerah aliran sungai (DAS) Buyat Minahasa. *Ekoton*, 2(1), 31–37.
- Portela, J. F., de Souza, J. P. R., Tonhá, M. de S., Bernardi, J. V. E., Garnier, J., & Souza, J. R. 2020. Evaluation of total mercury in sediments of the descoberto river environmental protection area – brazil. *International Journal of Environmental Research and Public Health*, 17(1). <https://doi.org/10.3390/ijerph17010154>
- Prasetya, J. D., Santoso, D. H., Muryani, E., Ramadhamayanti, T., & Sukma Yudha, B. A. 2021. Carrying Capacity of Mercury Pollution To Rivers in the Gold Mining Area of Pancurendang Village, Banyumas. *Journal CleanWAS*, 5(1), 01–04. <https://doi.org/10.26480/jcleanwas.01.2021.01.04>
- Purbonegoro, T. 2020. Kajian Risiko Kesehatan Manusia Terkait Konsumsi Makanan Laut (Seafood) Yang Tercemar Logam. *Oseana*, 45(2), 31–39. <https://doi.org/10.14203/oseana.2020.vol.45no.2.87>
- Purnawan, S., Sikanna, R., & Prismawiryanti. 2013. Distribusi logam merkuri pada

sedimen laut di sekitar muara Sungai Poboya. *Nature Science*, 2(1), 18–24.

- Rahmia, M., Putri, A., & Sugianti, Y. 2015. Beberapa aspek Biologi Ikan Nilem (*Osteochillus Vittatus*) Di Danau Talaga , Sulawesi Tengah Some Biological Aspects Of Bonylip Barb , (*Osteochillus Vittatus*) In Lake Talaga , Central Sulawesi. *Bawal*, 7(2), 111–120.
- Rasul, E., & Musafira, M. 2022. Analisis Kandungan Merkuri (Hg) pada Badan Air, Sedimen dan Biota yang Terdampak Aktivitas Pertambangan Emas di Kabupaten Parigi Moutong. *KOVALEN: Jurnal Riset Kimia*, 8(1), 39–44. <https://doi.org/10.22487/kovalen.2022.v8.i1.15835>
- Rodhiyah, Z., Sumando, S., Panggabean, P., Ilfan, F., Ihsan, M., Studi, P., Jambi, M. 2022. Indeks Beban Pencemar Sebagai Penentu Tingkat Pencemaran Pada Lahan Bekas Pertambangan Emas Tanpa Izin, 1(5), 565–573. <https://doi.org/10.55123/insologi.v1i5.942>
- Rondonuwu, S. I., Berhimpon, S., & Lasut, M. T. 2019. Mercury (Hg) content in fish Meka (*Xiphias sp.*) in Fish Processing Unit and the local market in Manado and Bitung, North Sulawesi. *Aquatic Science & Management*, 5(1), 1. <https://doi.org/10.35800/jasm.5.1.2017.24211>
- Saher, N. U., & Siddiqui, A. S. 2016. Comparison of heavy metal contamination during the last decade along the coastal sediment of Pakistan: Multiple pollution indices approach. *Marine Pollution Bulletin*, 105(1), 403–410. <https://doi.org/10.1016/j.marpolbul.2016.02.012>
- Salazar-Camacho, C., Salas-Moreno, M., Marrugo-Madrid, S., Marrugo-Negrete, J., & Díez, S. 2017. Dietary human exposure to mercury in two artisanal small-scale gold mining communities of northwestern Colombia. *Environment International*, 107(June), 47–54. <https://doi.org/10.1016/j.envint.2017.06.011>
- Salvaggio, A., Pecoraro, R., Copat, C., Ferrante, M., Grasso, A., Scalisi, E. M., Brundo, M. V. 2020. Bioaccumulation of metals/metalloids and histological and immunohistochemical changes in the tissue of the European Hake, *merluccius merluccius* (Linnaeus, 1758) (Pisces: Gadiformes: Merlucciidae), for environmental pollution assessment. *Journal of Marine Science and Engineering*, 8(9), 1–11. <https://doi.org/10.3390/jmse8090712>
- Sambo, A. B., Margaret, D., Audu, W. I., Okechukwu, A. M. N., Yusuf, S., & Wokton, W. 2020. Diversity and distribution of medicinal plants in the republic of South Sudan. *World Journal of Advanced Research and Reviews*, 2020(01), 2581–9615. <https://doi.org/10.30574/wjarr>
- Sembel, D. T. 2015. Toksikologi Lingkungan. Retrieved January 26, 2023, from [https://books.google.co.id/books?hl=id&lr=&id=YLWACwAAQBAJ&oi=fnd&pg=PR7&dq=+\(Sembel,+2015\).+&ots=KgXNPm5mTW&sig=0F9G9Qkc_XZZVB8V-wFyb378jOI&redir_esc=y#v=onepage&q=\(Sembel%2C2015\).&f=false](https://books.google.co.id/books?hl=id&lr=&id=YLWACwAAQBAJ&oi=fnd&pg=PR7&dq=+(Sembel,+2015).+&ots=KgXNPm5mTW&sig=0F9G9Qkc_XZZVB8V-wFyb378jOI&redir_esc=y#v=onepage&q=(Sembel%2C2015).&f=false)
- Sloss, L. 2012. *Mercury Emissions from India and South East Asia*. International Energy Agency Clean Coal Centre.

- Song, B., Lei, M., Chen, T., Zheng, Y., Xie, Y., Li, X., & Gao, D. 2009. Assessing the health risk of heavy metals in vegetables to the general population in Beijing, China. *Journal of Environmental Sciences*, 21(12), 1702-1709. [https://doi.org/10.1016/S1001-0742\(08\)62476-6](https://doi.org/10.1016/S1001-0742(08)62476-6)
- Spiegel, S. J., Agrawal, S., Mikha, D., Vitamerry, K., Le Billon, P., Veiga, M., Paul, B. 2018. Phasing Out Mercury? Ecological Economics and Indonesia's Small-Scale Gold Mining Sector. *Ecological Economics*, 144(July 2017), 1-11. <https://doi.org/10.1016/j.ecolecon.2017.07.025>
- Sukarjo, Zulaehah, I., Harsanti, E. S., & Ardiwinata, A. N. 2021. Penilaian Spasial Potensi Risiko Ekologis Logam Berat di Lapisan Olah Tanah Sawah DAS Serayu Hilir , Jawa Tengah Spatial Assessment of Ecological Risks Potential of Heavy Metals in Paddy Field Topsoils of Serayu Hilir Watershed , Central Java. *Jurnal Tanah Dan Iklim*, 45(1), 69-77.
- Sukaryono, I. D. 2018. Kandungan Logam Berat Pb Dan Cd Pada Sedimen Di Pesisir Teluk Ambon Dalam Sebagai Indikasi Tingkat Pencemaran. *Majalah BIAM*, 14(1), 1. <https://doi.org/10.29360/mb.v14i1.3554>
- Supriyantini, E., & Endrawati, H. 2015. Kandungan Logam Berat Besi (Fe) Pada Air, Sedimen, Dan Kerang Hijau (*Perna viridis*) Di Perairan Tanjung Emas Semarang. *Acta Neurologica Scandinavica*, 38(4), 307-312. <https://doi.org/10.1111/j.1600-0404.1962.tb01105.x>
- Suseno, H., & Panggabean, S. M. 2007. Merkuri : Spesiasi dan Bioakumulasi. *Jurnal Teknologi Pengelolaan Limbah (Journal of Waste Management Technology)*, 10(1), 66-78.
- Suteja, Y., & Dirgayusa, I. G. N. P. 2018. Bioaccumulation and translocation of chromium on crabs and mangroves in Mati River estuary, Bali, Indonesia. *AAFL Bioflux*, 11(2), 469-475.
- Syahrizal, S., & Arifin, M. Y. 2017. Analisis Kandungan Merkuri (Hg) Pada Air Dan Daging Ikan Patin Siam (*Pangasius Hypophthalmus*) Di Kja Danau Sipin Jambi. *Jurnal Akuakultur Sungai Dan Danau*, 2(1), 9. <https://doi.org/10.33087/akuakultur.v2i1.13>
- Veiga, M. M., Angeloci-Santos, G., & Meech, J. A. 2014. Review of barriers to reduce mercury use in artisanal gold mining. *Extractive Industries and Society*, 1(2), 351-361. <https://doi.org/10.1016/j.exis.2014.03.004>
- Velusamy, A., Satheesh Kumar, P., Ram, A., & Chinnadurai, S. 2014. Bioaccumulation of heavy metals in commercially important marine fishes from Mumbai Harbor, India. *Marine Pollution Bulletin*, 81(1), 218-224. <https://doi.org/10.1016/j.marpolbul.2014.01.049>
- Wahyudi, R., Kadaria, U., & Jumiati. 2021. Analisis Pengaruh Kadar Merkuri terhadap Kualitas Air, Ikan dan Pekerja Peti di Sungai Sepauk Kabupaten Sintang. *Jurnal Rekayasa Lingkungan Tropis*, 5(1), 1-10. Retrieved from <https://jurnal.untan.ac.id/index.php/jurlis/article/view/46586>

- Walpole, S. C., Prieto-Merino, D., Edwards, P., Cleland, J., Stevens, G., & Roberts, I. 2012. The weight of nations: An estimation of adult human biomass. *BMC Public Health*, 12(1), 1. <https://doi.org/10.1186/1471-2458-12-439>
- Wasisto, N. H., Trilaksani, W., & Setyaningsih, I. 2022. Penilaian Risiko Semikuantitatif Logam Berat pada Ikan Salmon di Jabodetabek. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 25(2). <https://doi.org/10.17844/jphpi.v25i2.40550>
- Wolfe, M. F., Schwarzbach, S., & Sulaiman, R. A. 1998. Effects of mercury on wildlife: A comprehensive review. *Environmental Toxicology and Chemistry*, 17(2), 146-160. [https://doi.org/10.1897/1551-5028\(1998\)017<0146:EOMOWA>2.3.CO;2](https://doi.org/10.1897/1551-5028(1998)017<0146:EOMOWA>2.3.CO;2)
- Wolswijk, G., Satyanarayana, B., Dung, L. Q., Siau, Y. F., Ali, A. N. Bin, Saliu, I. S., ... Dahdouh-Guebas, F. 2020. Distribution of mercury in sediments, plant and animal tissues in Matang Mangrove Forest Reserve, Malaysia. *Journal of Hazardous Materials*, 387(November), 121665. <https://doi.org/10.1016/j.jhazmat.2019.121665>
- Yap, C. K., Cheng, W. H., Karami, A., & Ismail, A. 2016. Health risk assessments of heavy metal exposure via consumption of marine mussels collected from anthropogenic sites. *Science of the Total Environment*, 553, 285-296. <https://doi.org/10.1016/j.scitotenv.2016.02.092>
- Yona, D., Hikmah, S., Sari, J., Kretarta, A., Putri, C. R., Aini, M. N., Adi, A. 2018. Distribusi dan Status Kontaminasi Logam Berat pada Sedimen di Sepanjang Pantai Barat Perairan Selat Bali , Banyuwangi Distribution and Contamination Status of Heavy Metals in the Surface Sediments along Western Coast of Bali Strait , Banyuwangi Abstrak Pe, 1(June), 21-30.
- Yona, D., Sari, S. H. J., Kretarta, A., Effendy, C. R. P., Aini, M. N., & Adi, M. A. A. 2018. Distribution and Contamination Status of Heavy Metals in the Surface Sediments along Western Coast of Bali Strait, Banyuwangi. *TORANI: Journal of Fisheries and Marine Science*, 1(2). <https://doi.org/10.35911/torani.v1i2.4439>
- Yudo, S. 2006. Kondisi Pencemaran Logam Berat Di Perairan Sungai Dki Jakarta. *Jurnal Air Indonesia*, 2(1), 1-15. <https://doi.org/10.29122/jai.v2i1.2275>
- Yulis, P. A. R. 2018. Analisis Kadar Logam Merkuri (Hg) Dan (Ph) Air Sungai Kuantan Terdampak Penambangan Emas Tanpa Izin (Peti). *Orbital: Jurnal Pendidikan Kimia*, 2(1), 28-36. <https://doi.org/10.19109/ojpk.v2i1.2167>
- Zhu, S., Zhang, Z., & Žagar, D. 2018. Mercury transport and fate models in aquatic systems: A review and synthesis. *Science of the Total Environment*, 639, 538-549. <https://doi.org/10.1016/j.scitotenv.2018.04.397>