

7. DAFTAR PUSTAKA

Ahmad A.K., Sarah, Al-Mahaqeri A. 2015. *Human Health Risk Assessment of Heavy Metals in Agarwal H.C., Pillai M.K.K., Yadav D.V., Menom K.B., Gupta R.K. 1976. Residues of DDT and its metabolites in human blood samples in Delhi, India. Bull. World Health Organ., Vol. 54.*

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2366574/pdf/bullwho00454-0114.pdf>

Akan J.C., F.I. Abdulrahman, Z.M. Chellube. 2014. *Organochlorine and Organophosphorus Pesticide Residues in Fish Samples from Lake Chad, Baga, North Eastern Nigeria. International Journal of Innovation, Management and Technology, Vol. 5, No. 2.*

<https://pdfs.semanticscholar.org/fb50/973ae6b39a8a5d5543a87525ebb473a7447b.pdf>

Akin H.K., Erhan U. *Heavy Metal Concentrations in Water, Sediment, Fish and Some Benthic Organisms from Tigris River, Turkey. Environ Monit Assess (2007) 131:323–337.*

<https://link.springer.com/article/10.1007%2Fs10661-006-9478-0>

Alven T., Elinder C.G., Margereta D.C., Anders G., Lennart H., Bodil P., Conny P., Gunnar S., Andrejs S., Lars J. 2000. *Low-Level Cadmium Exposure and Osteoporosis. Journal Of Bone and Mineral Research. Vol 15, No. 8. Sweden.*

<https://asbmr.onlinelibrary.wiley.com/doi/abs/10.1359/jbmr.2000.15.8.1579>

Argun M.E., Sukru D. 2008. *A new approach to modification of natural adsorbent for heavy Metal Adsorbtion. Bioresource Technology. Vol 99, Issue 7.*

<https://www.sciencedirect.com/science/article/pii/S0960852407003847>

Arifin Z., Dede F. 2017. *Contribution Cadmium and Lead Intakes in Coastal Communities of West Kalimantan, Indonesia*. Mar. Res. Indonesia Vol.42, No.1. Research Center for Oceanography. Indonesian Institute of Sciences, Ancol Timur. Jakarta.

<https://mrijournal.or.id/index.php/MRI/article/view/154>

Ashraf, M. A., M. J. Maah, dan I. Yusoff. 2012. *Bioaccumulation of Heavy Metals in Fish Species Collected from Former Tin Mining Catchment*. International Journal of Environmental Research 6(1):209–18.

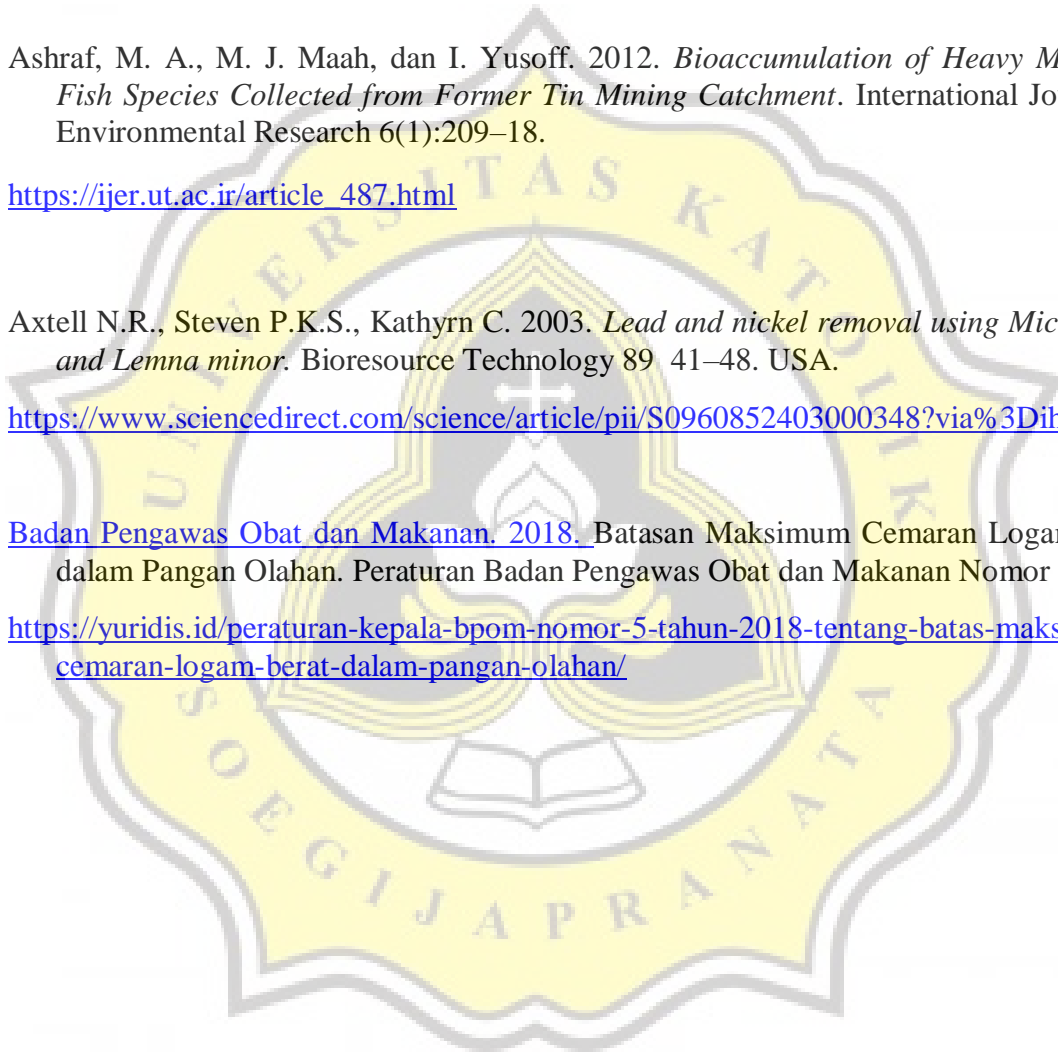
https://ijer.ut.ac.ir/article_487.html

Axtell N.R., Steven P.K.S., Kathryn C. 2003. *Lead and nickel removal using Microspora and Lemna minor*. Bioresource Technology 89 41–48. USA.

<https://www.sciencedirect.com/science/article/pii/S0960852403000348?via%3Dihub>

Badan Pengawas Obat dan Makanan. 2018. Batasan Maksimum Cemaran Logam Berat dalam Pangan Olahan. Peraturan Badan Pengawas Obat dan Makanan Nomor 5.

<https://yuridis.id/peraturan-kepala-bpom-nomor-5-tahun-2018-tentang-batas-maksimum-cemaran-logam-berat-dalam-pangan-olahan/>



Bawuro A.A., Voegborlo R.B., Adimado A.A. 2018. *Bioaccumulation of Heavy Metals in Some Tissues of Fish in Lake Geriyo, Adamawa State, Nigeria*. Journal of Environmental and Public Health Volume 2018, Article ID 1854892, 7 pages.

<https://www.hindawi.com/journals/jeph/2018/1854892/>

Beckvar N., Tom M., Dillon., Lorraine B.R. *Approaches for Linking Whole-Boddy Fish Tissue Residues of Mercury or DDT to Biological Effects Thresholds*. *Environmental Toxicology and Chemistry*, Vol. 24, No. 8, pp. 2094–2105, 2005. USA.

<https://www.ncbi.nlm.nih.gov/pubmed/16152984>

Belabed B.E., Xavier L., Amel D., Mouna F.B., Souad T., Lotfi A. 2013. *Factors contributing to heavy metal accumulation in sediments and in the intertidal mussel Perna perna in the Gulf of Annaba (Algeria)*. *Marine Pollution Bulletin* xxx (2013) xxx–xxx.

<https://www.sciencedirect.com/science/article/abs/pii/S0025326X13002944?via%3Dihub>

Bhattacharya A., ShuklaR., Dietrich K.N., Bornschein R.L. 2006. *Effect of early lead exposure on the maturation of children's postural balance: A longitudinal study*. *Neurotoxicology and Teratology* 28 376–385. USA.

<https://www.sciencedirect.com/science/article/abs/pii/S0892036206000377?via%3Dihub>

Bjorkman L., Lundekvam B.F., s Laegreid T., Bertelsen B.I., Morild I., Lilleng P., Lind B., Palm B., Vahter M. 2007. *Mercury in human brain, blood, muscle and toenails in relation to exposure: an autopsy study*. *Enviromental Health*. Sweden.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2098763/>

Bradman ASA, Schwartz JM, Fenster L, Barr DB, Holland NT, Eskenazi B. 2007. *Factors predicting organochlorine pesticide levels in pregnant Latina women living in a United States agricultural area*. *Journal of Exposure Science and Environmental Epidemiology* 17(4):388-99.

<https://www.ncbi.nlm.nih.gov/pubmed/17033681>

Budiman B.T.P., Yayat D., Herman H. 2012. *Bioakumulasi Logam Berat Pb (Timbal) dan Cd (Kadmium) pada Daging Ikan yang Tertangkap di Sungai Citarum Hulu*. *Jurnal Perikanan dan Kelautan* Vol.3, No 4. Universitas Padjajaran.

<http://jurnal.unpad.ac.id/jpk/article/view/2569/2325>

Calderon J., Navarro M.E., Jimenez-Capdeville M. E., Santos-Diaz M. A., Golden A., Rodriguez-Leyva I., Borja-Aburto V., Diaz-Barriga F. 2001. *Exposure to Arsenic and Lead and Neuropsychological Development in Mexican Children*. Environmental Research Section A 85, 69-76.

<https://www.ncbi.nlm.nih.gov/pubmed/11161656>

Chaudhary S., Uzma F., Syed M.A., Abbas A.M. 2018. *Factors Associated With Elevated Blood Lead Levels in Children*. Volume 55. India.

<https://www.ncbi.nlm.nih.gov/pubmed/28952456>

CHI Q.Q., ZHU g.w., Alan L. 2007. *Bioaccumulation of heavy metals in fishes from Taihu Lake, China*. Journal of Environmental Sciences 19(2007) 1500–1504.

<https://www.ncbi.nlm.nih.gov/pubmed/18277656>

Chiou H.Y., Chiou S.T., Hsu Y.H., Chou Y.L., Tseng C.H., Wei M.L., Chen C.J. 2001. *Incidence of Transitional Cell Carcinoma and Arsenic in Drinking Water: A Follow-up Study of 8,102 Residents in an Arseniasis-endemic Area in Northeastern Taiwan*. American Journal of Epidemiology. Oxford University.

<https://academic.oup.com/aje/article/153/5/411/149719>

Cho G.J., Park H.T., Shin J.H., Hur J.Y., Kim S.H., Lee K.W., Kim T. *The relationship between blood mercury level and osteoporosis in postmenopausal women*. Menopause. The Journal of The North American Menopause Society. Vol. 19, No. 5.

<https://insights.ovid.com/article/00042192-201205000-00016>

Clarkson T.W. Laszlo M., Gary J.M. 2003. *The Toxicology of Mercury-Current Exposure and Clinical Manifestations*. The New England Journal of Medicine.

https://www.nejm.org/doi/full/10.1056/NEJMra022471?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&rfr_dat=cr_pub%3Dpubmed

Coccia M. 2018. *The Fishbone Diagram to Identify, System and Analyze the Sources of General Purpose Technologies*. Arizona State University. JEL codes: B40; O31; O33.

<https://www.researchgate.net/publication/322526380> The Fishbone diagram to identify systematize and analyze the sources of general purpose technologies

Dewi N.K., Rossi P., Nana K.T. 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. *Journal of Biology & Biology Education*. Universitas Negeri Semarang.

<https://journal.unnes.ac.id/nju/index.php/biosaintifika/article/view/3106/3152>

Domingo J.L., Ana B. *Levels of PCDD/PCDF and PCB in Edible Marine Species and Human Intake: A Literatur Review. Environment International* 33 (2007) 397–405. Spain.

<https://www.sciencedirect.com/science/article/pii/S0160412007000025?via%3Dihub>

Edward . 2016. Bioakumulasi Senyawa Pestisida Organoclorin (POC) dalam Kerang Hijau (*Perna Viridis*) di Teluk Jakarta. *Jurnal Ilmu dan Teknologi Kelautan Tropis*, Vol. 8, No. 1, Hlm. 85-97. Pusat Penelitian Oseanografi LIPI, Jakarta.

<https://media.neliti.com/media/publications/99369-ID-none.pdf>

Edward. 2016. Kontaminasi senyawa poliklorobifenil (PCB) pada kerang hijau (*Perna viridis*) dari Teluk Jakarta. *Depik*, 5(1): 24-32. Pusat Penelitian Oseanografi-Lembaga Ilmu Pengetahuan Indonesia(P2O-LIPI). Jakarta.

<http://jurnal.unsyiah.ac.id/depik/article/view/3967>

Ekino S., Mari S., Tadashi N., Keiko I., Toshinori K. 2007. *Minamata disease revisited: An update on the acute and chronic manifestations of methyl mercury poisoning.* *Journal of the Neurological Sciences* 262 (2007) 131–144. Japan.

[https://www.jns-journal.com/article/S0022-510X\(07\)00455-8/fulltext](https://www.jns-journal.com/article/S0022-510X(07)00455-8/fulltext)

Elvince R., Takanobu I., Kouji T., Ryosuke T., Ardianor, Untung D., Sulmin G., Salampak D., Osamu N., Tomonori K., Toshiro Y. 2008. *Assessment of Mercury Contamination in the Kahayan River, Central Kalimantan, Indonesia.* *Journal of Water and Environment Technology*, Vol. 6, No.2. Japan.

https://www.jstage.jst.go.jp/article/jwet/6/2/6_2_103/article

Ernawati Y. 2014. *The analysis of the concentration of heavy metals cadmium, mercury and lead in the flesh of suckermouth catfish (Pterygoplichthys pardalis) in Ciliwung River, Indonesia. Aquaculture, Aquarium, Conservation & Legislation International Journal of the Bioflux Society. Agricultural University, Bogor.*

<http://www.bioflux.com.ro/docs/2014.33-42.pdf>

FAO/WHO. 2003. *Heavy Metal Regulation. Legal Notice No 66/2003. for heavy metal adsorption. Bioresource Technology 99 2516–2527. Turkey.*

<http://extwprlegs1.fao.org/docs/pdf/eri42405.pdf>

Godt J., Franziska S., Christian G.S., Esche V., Paul B., Andrea R., David A.G. 2006. *The toxicity of cadmium and resulting hazards for human health. Journal of Occupational Medicine and Toxicology. Germany.*

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1578573/pdf/1745-6673-1-22.pdf>

Gozalez M.I.C., Mandez M.A. 2008. *Heavy Metal: Implication Associated to Fish Consumption. Environmental Toxicology and Pharmacology 26 (2008) 263–271. Mexico.*

<https://www.sciencedirect.com/science/article/pii/S1382668908000914?via%3Dihub>

Graneya, J. R., J. T. Dvonchb, dan G. J. Keeler. 2004. *Use of multi-element tracers to source apportion mercury in South Florida aerosols. Atmospheric Environment 38:1715–1726.*

<https://www.sciencedirect.com/science/article/abs/pii/S1352231004000044>

Hajeb P., Jinap S., Ismail A., Fatimah A.B., Jamilah B., Rahim M.A. 2009. *Assessment of mercury level in commonly consumed marine fishes in Malaysia. Food Control 20 (2009) 79–84. Malaysia.*

<https://www.sciencedirect.com/science/article/pii/S0956713508000601>

Halbach S. 1990. *Mercury compounds: lipophilicity and toxic effects on isolated myocardial tissue. Arch Toxicol (1990) 64:315-319. Germany.*

<https://link.springer.com/article/10.1007/BF01972992>

Hananingtyas I. 2017. Studi Pencemaran Kandungan Logam Berat Timbal (Pb) dan Kadmium (Cd) pada Ikan Tongkol (*Euthynnus sp.*) di Pantai Utara Jawa. *BIOTROPIC The Journal of Tropical Biology*. Vol 1. No 2. UIN Sunan Ampel Surabaya.

<https://doi.org/10.29080/biotropic.2017.1.2.41-50>

Handayani T., Mohamad S.M., ETTY R., Nazori D. 2019. *Mercury levels and tolerable weekly intakes (TWI) of tuna and tunalike species from the Southern Indian Ocean (Indonesia): Public health perspective*. *Biodiversity*, Volume 20, Number 2, Pages: 504-509.

<https://doi.org/10.13057/biodiv/d200229>

Hashim R., Tan H.S., Noor Z.M.M., Tan P.Y. 20140. *Determination of Heavy Metal Levels in Fishes from the Lower Reach of the Kelantan River, Kelantan, Malaysia*. *Tropical Life Sciences Research*, 25(2), 21–39. Malaysia.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4814144/pdf/tlsr-25-2-21.pdf>

Hawker S., Sheila Payne., Christine Kerr., Michael H., Jackie P. *Appraising the Evidence: Reviewing Disparate Data Systematical*. 2002. Article in *Qualitative Health Research*. Lancaster University.

<https://doi.org/10.1177/1049732302238251>

Hidayah A.M., Purwanto, Tri R.S. 2014. Biokonsentrasi Faktor Logam Berat Pb, Cd, Cr, dan Cu pada Ikan Nila (*Oreochromis niloticus Linn*) di Karamba Danau Rawa Pening. *Bioma* Vol 16, No 1, Hal 1-9. Universitas Diponegoro. Semarang.

<https://doi.org/10.14710/bioma.16.1.1-9>

Honda R., Ikiko T., Yuka N., Hisa S., Masao I., Yuichi Y. 2003. *Urinary cadmium excretion is correlated with calcaneal bone mass in Japanese women living in an urban area*. *Environmental Research* 91 (2003) 63–70. Japan.

[https://doi.org/10.1016/S0013-9351\(02\)00035-X](https://doi.org/10.1016/S0013-9351(02)00035-X)

Hosseini M., Seyed M.B.N., Yaghob P. 2013. *Bioaccumulation of Trace Mercury in Trophic Levels of Benthic, Benthopelagic, Pelagic Fish Species, and Sea Birds from Arvand River, Iran*. Biol Trace Elem Res (2013) 156:175–180.

<https://link.springer.com/article/10.1007/s12011-013-9841-2>

Jack C.N., Jianping W., Anjad S. 2003. *A global health problem caused by arsenic from natural sources*. Chemosphere 52 (2003) 1353–1359. Australia.

[https://doi.org/10.1016/S0045-6535\(03\)00470-3](https://doi.org/10.1016/S0045-6535(03)00470-3)

Jaishankar M., Tenzin T., Naresh A., Blessy B.M., Krishnamurthy N.B. 2014. *Toxicity, Mechanism and Health Effects of Some Heavy Metal*. Interdiscip Toxicol. Vol. 7(2): 60–72. India.

DOI: [10.2478/intox-2014-0009](https://doi.org/10.2478/intox-2014-0009)

Jakfar, Agustono, Manan. 2014. Deteksi Logam Timbal (Pb) pada Ikan Nila (*Oreochromis niloticus*) di Sepanjang Sungai Kalimas Surabaya. Jurnal Ilmiah Perikanan dan Kelautan. Vo. 6, No. 1. Universitas Airlangga.

<https://e-journal.unair.ac.id/JIPK/article/view/11380>

Jamova K., Jenisova Z., Feszterova M., Baros S., Liska J., Hudecova D., Rhodes C.J., Valko M. 2010. *Arsenic: toxicity, oxidative stress and human disease*. Journal of Applied Toxicology.

<https://www.ncbi.nlm.nih.gov/pubmed/21321970>

Jayaraj R., Pankajshan M., Puthur S. *Organochlorine Pesticides, Their Toxic Effect on Living Organism and Their Fate in the Environment*. Interdiscip Toxicol. 2016; Vol. 9(3–4): 90–100. India.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5464684/>

Joint FAO/WHO Expert Committee on Food Additives (JECFA). (2004). *Safety evaluation of certain food additives and contaminants*. WHO Food Additives Series No 52.

<https://apps.who.int/iris/bitstream/handle/10665/43038/924166052X.pdf?sequence=1&isAllowed=y>

Jomova K., Marian V. 2011. *Advances in metal-induced oxidative stress and human disease*. Toxicology 283 (2011) 65–87. Slovakia.

<https://www.ncbi.nlm.nih.gov/pubmed/21414382>

Kementerian Pertanian. 2015. Rencana Strategis Kementerian Pertanian Tahun 2015-2019.

http://www1.pertanian.go.id/file/RENSTRA_2015-2019.pdf

Khan S., Cao Q., Zheng Y.,M., Huang Y.Z., Zhu Y.G. 2008. *Health risks of heavy metals in contaminated soils and food crops irrigated with wastewater in Beijing, China*. Environmental Pollution 152 (2008) 686e692. Pakistan.

<https://www.sciencedirect.com/science/article/pii/S0269749107003351>

Kim N.D., Omer G.B., Paul A.S. 1993. *Lead Exposure and the Motor Developmental Status of Urban Six-Year Old Children in the Cincinnati Prospective Study*. Pediatrics Vol. 91 No. 2. America.

<https://pediatrics.aappublications.org/content/91/2/301.long>

Kim N.H., Hyun Y.Y., Lee k.b., Chang Y., Rhu S., Oh K.H., Ahn C. 2014. *Environmental Heavy Metal Exposure and Chronic Kidney Disease in the General Population*. J Korean Med Sci 2015; 30: 272-277. Korea.

<https://jkms.org/DOIx.php?id=10.3346/jkms.2015.30.3.272>

Kim N.Y., Ahn S.J., Ryu D.Y., Choi B.S., Kim H., Yu I.J., Park J.D. 2012. *Effect of lifestyles on the blood mercury level in Korean adults*. Human and Experimental Toxicology. Korea.

https://journals.sagepub.com/doi/abs/10.1177/0960327112467041?rfr_dat=cr_pub%3Dpubmed&url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&journalCode=heth

Kleanth G., Lykeridou K., Protopapa E., Lazaris A. 2008. *Mechanism of Action and Health Effect of Organochlorine Substance: A Review*. Health Science Journal. Volume 2, Issue 2. University of Athens.

<http://www.hsj.gr/medicine/mechanisms-of-actions-and-health-effects-of-organochlorine-substances-a-review.pdf>

Larsen R., Karl E.E., Edel O.E. 2011. *Health Benefit of Marine Food and Ingredients. Biotechnology Advances*. University of Tromso, Norway.

<https://www.sciencedirect.com/science/article/abs/pii/S0734975011000723?via%3Dihub>

Li P., Feng X.B., Qiu G.L., Shang L.H., Li Z.G. 2009. *Mercury Pollution in Asia: A Review of the Contaminated Sites. Journal of Hazardous Materials* 168 (2009) 591–601. China.

<https://www.sciencedirect.com/science/article/pii/S0304389409004415>

Liu J., Zheng B., Aposhian H.V., Zhou Y., Chen M.L., Zhang A., Waalkes M.P. 2002. *Chronic Arsenic Poisoning from Burning High-Arsenic-Containing Coal in Guizhou, China. Environmental Health Perspectives*. Vol. 110, NO. 2. China.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1240722/>

Mabuat J. C., Sri S. M., Harvani B. 2017. Analisis Kandungan Logam Berat Arsen (As) pada Air, Ikan, Kerang dan Sendimen di Daerah Sungai Tondano Tahun 2017. Fakultas Kesehatan Masyarakat Universitas Sam Ratulangi.

<https://ejournal.unsrat.ac.id/index.php/kesmas/article/view/22989/22685>

Maddusa S.S., Muhammad G.P., Andika R.S., Jhon M., Gabriel A. 2017. Kandungan Logam Berat Timbal (Pb), Merkuri (Hg), Zink (Zn) dan Arsen (As) pada Ikan dan Air Sungai Tondano, Sulawesi Utara. *Public Health Science Journal*. Vol 9, No.2. Universitas Sam Ratulangi.

<http://journal.uin-alauddin.ac.id/index.php/Al-Sihah/article/view/3766/3440>

Mahaffey K. R., ELSIE M.S., Hing M.C., Anna L.C., Philippe G., Koenraad M., Emily O., Mineshi S., Rita S., Pal W., Chong H.Y., Akira Y. 2011. *Balancing the benefits of n-3 polyunsaturated fatty acids and the risks of methylmercury exposure from fish consumption. Nutrition Reviews®* Vol. 69(9):493–508. International Life Sciences Institute.

<https://academic.oup.com/nutritionreviews/article/69/9/493/1874360>

Mahmudi M., Muhammad M. 2015. *Accumulation of Lead (Pb) in Blood Clams. Anadara granosa L. Inhabiting Densely Industrial Area in Sidoarjo. East Java. Indonesia. 3rd International Conference on Chemical, Agricultural and Medical Sciences (CAMS-2015)*. Singapore.

<http://webcache.googleusercontent.com/search?q=cache:http://icbe.org/upload/1746C1215023.pdf>

Maldonado-Vega M., Solorzano J.C., Medina A.A., Luna C.H., Salinas J.V.C. 1996. *Lead: intestinal absorption and bone mobilization during lactation*. Human and Environmental Toxicology. Mexico.

<https://doi.org/10.1177%2F096032719601501102>

Malongi A. L. R. A. *Environmental Risks Assessment Of Total Mercury Accumulation At Sentani Lake Papua, Indonesia*. International Journal of Scientific & Techonolgy Research. Volume 3, Issue 3.

<https://www.ijstr.org/final-print/mar2014/Environmental-Risks-Assessment-Of-Total-Mercury-Accumulation-At-Sentani-Lake-Papua-Indonesia.pdf>

Mandal B.K., Ogra Y., Suzuki K.T. 2003. *Speciation of arsenic in human nail and hair from arsenic-affected area by HPLC-inductively coupled argon plasma mass spectrometry*. Toxicology and Applied Pharmacology 189 (2003) 73–83. Japan.

<https://www.sciencedirect.com/science/article/pii/S0041008X03000887?via%3Dihub>

Mazumder D.N.S., Steinmaus C., Bhattacharya P., Ehrenstein O.S.V., Ghosh N., Gotway M., Sil A., Balmes J.R., Haque R., Smith H.M.M., Smith A. 2005. *Bronchiectasis in Persons With Skin Lesions Resulting From Arsenic in Drinking Water*. Epidemiology . Volume 16, Number 6. California.

<https://insights.ovid.com/crossref?an=00001648-200511000-00008>

Melisa R., Mohammad B., Eko B. 2015. Analisis Kandungan Kadmium (Cd) dan Timbal (Pb) pada Air, Sendimen dan Kerang Bulu (*Anadara antiquata*) di Perairan Pesisir Belawan Provinsi Sumatra Utara. Jurnal Aquacoastmarine. Vol 6, No. 1. Universitas Sumatra Utara.

<https://jurnal.usu.ac.id/index.php/aquacoastmarine/article/view/9288>

Merdani N.P.S., I Wayan R., Alfi H.W.S. 2018. Kandungan Logam Berat Timbal (Pb) dan Kadmium (Cd) Pada Badan Air dan Ikan di Perairan Teluk Benoa, Bali. *Current Trends in Aquatic Science* I(1), 104-111. Universitas Udayana. Bali.

<https://ojs.unud.ac.id/index.php/CTAS/article/view/43045/27824>

Michlean M., Cadar O., Levei E.A., Todea D.A. 2018. *Human Health Risk Assessment of Organochlorine Compound Associated with Raw Milk Consumption in A Romania Industrial Area*. Italian Journal of Food Science. Romania.

https://www.researchgate.net/publication/322888430_Human_health_risk_assessment_of_organochlorine_compounds_associated_with_raw_milk_consumption_in_a_romani_an_industrial_area

Mohan, M., M. Deepa, E. V. Ramasamy, dan A. P. Thomas. 2012. *Accumulation of Mercury and Other Heavy Metals in Edible Fishes of Cochin Backwaters, Southwest India*. Environmental Monitoring and Assessment.

<https://doi.org/10.1007/s10661-011-2258-5>

Monrith I., Nakata H., Watanabe M., Takashi S., Tanabe S., Tana T.S. 2007. *Organochlorine contamination in fish and mussels from Cambodia and other Asian countries*. Water Science and Technology. Vol 42, No. 7.

<https://iwaponline.com/wst/article/42/7-8/241/5602/Organochlorine-contamination-in-fish-and-mussels>

Morais S., Fernando G.C., Maria de L.P. 2014. *Heavy Metal and Human Health*. Portugal.

https://www.researchgate.net/publication/221923928_Heavy_Metals_and_Human_Health

Munandar, Alwis A. 2016. Kajian Kandungan Logam Berat Merkuri (Hg) Pada Kerang Air Tawar (*Anodonta sp*) di Kawasan Hilir Sub Krueng Meureubo, Aceh Barat. *Jurnal Perikanan Tropis*, Volume 3, Nomor 1. Universitas Teuku Umar, Aceh Barat.

<http://jurnal.utu.ac.id/jptropis/article/view/32>

Munawir K. 2010. Pestisida Organoclorin di Perairan Teluk Klabat Pulau Bangka. *Oseanologi dan Limnologi di Indonesia*. Pusat Penelitian Oseanografi-LIPI.

<http://www.kelair.bppt.go.id/Sitpa/Artikel/Artikel/OCsTelukKlabat.pdf>

Musfirah, Sri D. 2016. *Arsenic Exposure to Fish and Shellfish Consumption among Community in Makassar, Indonesia*. International Journal of Public Health Science (IJPHS). Vol.5, No.4. Yogyakarta.

https://www.researchgate.net/publication/323639806_Arsenic_Exposure_to_Fish_and_Shellfish_Consumption_among_Community_in_Makassar_Indonesia

Narasiang A.A., Markus T.L., Nikson j.k. 2015 Akumulasi Merkuri (Hg) pada Ikan di Teluk Manado. Jurnal Pesisir dan Lautan Tropis. Vol. 1, No. 1. Universitas Sam Ratulangi. Manado.

<https://ejournal.unsrat.ac.id/index.php/jplt/article/view/7726>

Naria E. 2005. Mewaspadaai Dampak Bahan Pencemaran Timbal (Pb) di Lingkungan Terhadap Kesehatan. Jurnal Komunikasi Penelitian. Volume 17 (4). Universitas Sumatra Utara.

https://www.researchgate.net/publication/42362384_Mewaspadaai_Dampak_Bahan_Pencemar_Timbal_Pb_Di_Lingkungan_Terdapat_Kesehatan

Naser H.A. *Assessment and Management of Heavy Metal Pollution in the Marine Environment of the Arabian Gulf: A Review*. *Marine Pollution Bulletin* xxx (2013) xxx-xxx.

<https://www.sciencedirect.com/science/article/abs/pii/S0025326X13002269>

Nawrot T., Piet G., Tom S.N., Benoit N. 2010. *Occupational Cadmium Exposure and Calcium Excretion, Bone Density, and Osteoporosis in Men*. *Journal of Bone and Mineral Research*, Vol. 25, No. 6. Belgia.

<https://asbmr.onlinelibrary.wiley.com/doi/full/10.1002/jbmr.22>

Nirmalasari R. 2017. Pengaruh Pemberian Nutrisi Kerang Darah *Anadara granosa L* Terhadap Tingkat Kepadatan Spermatozoa Mencit *Mus musculus L*. *Jurnal Biologi Makassar*. 2(1):9-14.

<http://journal.unhas.ac.id/index.php/bioma/article/view/1351>

Nurrachimi I., Bintal A., Habibi M.N. 2011. Bioakumulasi Logam Cd, Cu, Pb dan Zn pada Beberapa Bagian Tubuh Ikan Gulama (*Sciaena russelli*) dari Perairan Dumai, Riau. Maspari Journal 02 (2011) 01-10. Universitas Riau. Pekanbaru.

<https://ejournal.unsri.ac.id/index.php/maspari/article/view/1117>

Oost R.V.D., Jonny B., Nico P.E., Vermeulen. *Fish bioaccumulation and biomarkers in environmental risk assessment: a review. Environmental Toxicology and Pharmacology* 13 (2003) 57/149. Amsterdam.

<https://www.sciencedirect.com/science/article/pii/S1382668902001266?via%3Dihub>

Orloff K., Ketna M., Susan M. 2009. *Biomonitoring for Environmental Exposures to Arsenic*. Journal of Toxicology and Environmental Health. USA.

<https://www.ncbi.nlm.nih.gov/pubmed/20183531>

Panelin Y. 2016. Penerapan Model Fungasitas pada Pencemaran DDT di Waduk Saguling. Journal of Env. Engineering & Waste Management, Vol. 1, No. 2. Universitas Preside. Jawa Barat.

<http://e-journal.president.ac.id/presunivojs/index.php/JENV/article/view/124>

Park J.D., Zheng W. 2012. *Human Exposure and Health Effects of Inorganic and Elemental Mercury*. J Prev Med Public Health 2012;45:344-352. USA.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3514464/>

Patel J.V., Tracey I., Hughes E. A., Lip G.Y. 2014. *Omega-3 polyunsaturated acids and cardiovascular disease: notable ethnic differences or unfulfilled promise?*. Journal of Thrombosis and Haemostasis. t, University of Birmingham Centre for Cardiovascular Sciences.

<https://onlinelibrary.wiley.com/doi/full/10.1111/j.1538-7836.2010.03956.x>

Patil A.J., Vinod R.B., Dongre N.N., Ambekar J.G., Jailkhani R., Das K.K. 2006. *Effect of Lead (Pb) Exposure on the Activity of Superoxide Dismutase and Catalase in Battery Manufacturing Workers (BMW) of Western Maharashtra (India) with Reference to Heme biosynthesis*. International Journal of Environmental Research and Public Health. India.

<https://www.ncbi.nlm.nih.gov/pubmed/17159274>

Paundanan M., Ety R., Syaiful A. 2015. Kontaminasi Logam Berat Merkuri (Hg) dan Timbal (Pb) pada Air, Sedimen dan Ikan Selasar Tetengkek (*Megalaspis cordyla L*) di Teluk Palu, Sulawesi Tengah. *Jurnal Pengelolaan Sumberdaya Alam dan Lingkungan*. Vol. 5 No. 2. e-ISSN: 2460-5824.

DOI: <https://doi.org/10.29244/jpsl.5.2.161>

Permen Kelautan dan Perikanan. Pengendalian Residu Obat Ikan, Bahan Kimia dan Kontaminasi pada Kegiatan Pembudidayaan Ikan Konsumsi. Nomor 39/Permen-KP/2015.

<https://www.ojk.go.id/sijaring/id/tentang/Documents/45-permen-kp-2015-ttg-perubahan-permen-kp-nomor-25-permen-kp-2015-ttg-renstra-kkp-th-2015-2019.pdf>

Priatna D.E., Tarzan P., Nur K. 2016. Kadar Logam Berat Timbal (Pb) pada Ikan Bader (*Barbonymus gonionotus*) di Sungai Brantas Wilayah Mojokerto. *Jurnal Lentera Bio*. Universitas Negeri Surabaya.

<https://jurnalmahasiswa.unesa.ac.id/index.php/lenterabio/article/view/14563>

Putri L. S. E., Alfian D.P., Zaina A. 2012. *Green Mussel (Perna viridis L.) as Bioindicator of Heavy Metal Pollution at Kamal Estuary, Jakarta Bay, Indonesia. Journal of Environmental Research And Development*. Vol. 6 No. 3. Research Center of Oceanograph, LIPI.

https://www.researchgate.net/publication/301346704_Green_mussel_Perna_viridis_L_as_bioindicator_of_heavy_metals_pollution_at_kamal_estuary_Jakarta_Bay_Indonesia

Radjendran R.B., Imagawa T., Tao H., Ramesh R. 2005. *Distribution of PCBs, HCHs and DDTs, and their ecotoxicological implications in Bay of Bengal, India. Environment International* 31 (2005) 503 – 512.

<https://www.sciencedirect.com/science/article/pii/S0160412004001862>

Rahayu R. N., Bambang I., Agoes S. 2015. *Concentration of Mercury in Cockles (Anadara granosa and A. antiquata) Harvested from Estuaries of Western Lombok, Indonesia, and Potential Risks to Human Health. Bull Environ Contam Toxicol*, DOI 10.1007/s00128-015-1672-8. Airlangga University, Surabaya.

<https://link.springer.com/article/10.1007/s00128-015-1672-8>

Rahayu S.M., Sugeng H.S., Bustami I. 2014. *Proximate, Fatty Acid Profile and Heavy Metal Content of Selected By-Catch Fish Species from Muara Angke, Indonesia*. Pakistan Journal of Nutrition 13 (8).

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.571.21&rep=rep1&type=pdf>

Rahmah S., Henni W.M., Eko E. 2019. Konsentrasi Logam Berat Pb dan Cu pada Sendimen dan Kerang Darah (*Anadara granosa* Linn,1758) di Perairan Pulau Pasaran, Kota Bandar Lampung. Aquatic Science Journal. Vol.6, No. 1. Universitas Lampung.

<https://ojs.unimal.ac.id/index.php/acta-aquatica/article/view/887>

Rahmawati, Baharuddin H., Siti N. 2015. Analisis Kadar Timbal (Pb) Dalam Daging Kerang Bakau (*Polymesoda erosa*) dan Kerang Darah (*Anadara granosa*) di Perairan Salule Pasang Kayu Sulawesi Barat. J. Akademika Kim. 4(2): 78-83. Universitas Tadulako, Palu.

<http://jurnal.untad.ac.id/jurnal/index.php/JAK/article/view/7860/6209>

Rahmawati S., Gery M., Minoru Y., Katharina O. 2013. *Organochlorine pesticide residue in Catfish (Clarias sp.) collected from local fish cultivation at Citarum watershed, West Java Province, Indonesia*. Procedia Environmental Sciences 17 (2013) 3 – 10.

<https://www.sciencedirect.com/science/article/pii/S1878029613000078>

Ramu K., Natsuko K., Agus S., Tomohiko I., Shin T., Annamalai S., Daisuke U., Gene J.Z., Paul K.S.L., Hideshige T., Mohamad p.z., Pha, H.V., Maricar P., Touch S.T., Shinsuke T. 2007. *Asian Mussel Watch Program: Contamination Status of Polybrominated Diphenyl Ethers and Organochlorines in Coastal Waters of Asian Countries*. Environ. Sci. Technol. 2007, 41, 4580-4586.

<https://pubs.acs.org/doi/10.1021/es070380p>

Rosell M., Ann-Marie W., Karin R., Lars K., Lars A., Eira Study Group. 2009. *Dietary Fish and Fish Oil and the Risk of Rheumatoid Arthritis*. Epidemiology • Volume 20, Number 6.

<https://insights.ovid.com/crossref?an=00001648-200911000-00021>

Rossman T.G. 2003. *Mechanism of arsenic carcinogenesis: an integrated approach. Mutation*. Research 533 (2003) 37–65. USA.

<https://www.sciencedirect.com/science/article/pii/S0027510703002082?via%3Dihub>

Salami I. R. S., Suphia R., Ratri., Hapsari S., Pinilih M. J. 2008. *Accumulation of Heavy Metals in Freshwater Fish in Cage Aquaculture at Cirata Reservoir, West Java, Indonesia*. Ann. N.Y. Acad. Sci. 1140: 290–296. New York Academy of Sciences.

<https://nyaspubs.onlinelibrary.wiley.com/doi/abs/10.1196/annals.1454.037>

Sankar T.V., Zynudheen A.A., Anandan R., Nair P.G.V. 2006. *Distribution of organochlorine pesticides and heavy metal residues in fish and shellfish from Calicut region, Kerala, India*. Chemosphere 65 (2006) 583–590. India.

<https://www.sciencedirect.com/science/article/pii/S0045653506002268?via%3Dihub>

Sarong A.A., Abdul L.M., Muhammad A., Zainal A.M. 2013. *Cadmium concentration in three species of freshwater fishes from Keuretoe River, Northern Aceh, Indonesia*. Aquaculture, Aquarium, Conservation & Legislation International Journal of the Bioflux Society. Volume 6, Issue 5. Syah Kuala University. Banda Aceh.

https://www.researchgate.net/publication/267031289_Cadmium_concentration_in_three_species_of_freshwater_fishes_from_Keuretoe_River_Northern_Aceh_Indonesia

Selpiani L., Umroh, Dwi R. 2015. *Konsentrasi Logam Berat (Pb, Cu) Pada Kerang Darah (Anadara Granosa) di Kawasan Pantai Keranji Bangka Tengah dan Pantai Teluk Kelabat Bangka Barat*. Jurnal Oseotek. Vol. 9, No. 01. Universitas Bangka Belitung.

<http://e-journal.upstegal.ac.id/index.php/Oseatek/article/view/351>

Sharma H., Neetu R., Blessy B.M. 2015. *The Characteristic, Toxicity and Effect of Cadmium*. International Journal of Nanotechnology and Nanoscience, Vol. 3, 2015, 1-9. India.

https://www.researchgate.net/publication/305778858_The_characteristics_toxicity_and_effects_of_cadmium

Sivaperumal P., Sankart T.V., Nair P.G.V. *Heavy metal concentrations in fish, shellfish and fish products from internal markets of India vis-a-vis international standards.* *Food Chemistry* 102 (2007) 612–620. India.

<https://www.sciencedirect.com/science/article/pii/S0308814606004341>

Soegianto A. 2008. *Bioaccumulation of Heavy Metals in Some Commercial Animals Caught from Selected Coastal Waters of East Java, Indonesia.* *Research Journal of Agriculture and Biological Sciences*, 4(6): 881-885. Airlangga University. Surabaya.

https://www.researchgate.net/publication/235218575_Bioaccumulation_of_Heavy_Metals_in_Aquatic_Animals_Collected_from_Coastal_Waters_of_Gresik_Indonesia

Soegianto A., Agus S. *Concentration of pathogenic bacteria and trace metals in bivalve mollusk Anadara granosa (Bivalvia: Arcidae) harvested from East Java Coast, Indonesia.* *Cah. Biol. Mar.* (2008) 49 : 201-207. Airlangga University.

https://www.researchgate.net/publication/235218523_Concentration_of_pathogenic_bacteria_and_trace_metals_in_bivalve_mollusk_Anadara_granosa_Bivalvia_Arcidae_harvested_from_East_Java_Coast_Indonesia

State J.C., Sanjay S., Yu C., Aaron B. 2009. *Arsenic and Cardiovascular Disease.* *Toxicological Science* 107 (2), 312-323. New York.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2639760/>

Subramaniam K., Solomo J. 2006. *Organochlorine Pesticide BHC and DDE in Human and Around Madurai, India.* *Indian Journal of Clinical Biochemistry*, 2006 / 21 (2) 169-172. India.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3454007/>

Sudaryanto A., Monirith I., Kajiwaru N., Takahashi S., Hartono P., Muawanah., Omori K., Takeoka H., Tanabe S. 2007. *Levels and distribution of organochlorines in fish from Indonesia.* *Environment International* 33 (2007) 750–758.

<https://www.sciencedirect.com/science/article/pii/S0160412007000268>

Sudaryanto A., Muctah M., Razak H., Tanabe S. 2005. *Kontaminasi Organoklorin Persisten dalam Kerang Hijau (Perna Viridis) di Perairan Indonesia.* *Oseanologi dan Limnologi di Indonesia* No. 37 : 1 – 14. LIPI Jakarta Utara.

<http://www.kelair.bppt.go.id/Sitpa/Artikel/Artikel/OCsIndonesia.pdf>

Suheryanto S., I Ismarti. 2018. *Bio-concentration factors of copper (Cu) and lead (Pb) in seagrass and some fish from coast Batam, Riau Islands, Indonesia*. Journal of Physics: Conf. Series 1095 (2018) 012038. Sriwijaya University, South Sumatera.

<https://iopscience.iop.org/article/10.1088/1742-6596/1095/1/012038/pdf>

Suratno, Muhammad R. C., Silke A. 2017. Kandungan Merkuri dalam Ikan Konsumsi di Wilayah Bantul dan Yogyakarta. Oseanologi dan Limnologi di Indonesia. Pusat Penelitian Oseanografi, Lembaga Ilmu Pengetahuan Indonesia.

<https://pdfs.semanticscholar.org/bfd6/6240e2bdb74a061e22b041841db86bf34668.pdf>

Suryono C.A., Subagyo, Wilis A.S., Endang S.S., Bakoro R., Robertus R.M. 2017. *The Preliminary Study of Organochlorine Pesticide Residues on Sediments of Bivalvia Fishing Ground at Eastern Part of Coastal Semarang*. IOP Conf. Series: Earth and Environmental Science 116 (2018) 012093. Diponegoro University.

<https://iopscience.iop.org/article/10.1088/1755-1315/116/1/012093/pdf>

Takarina N.D., Dietriech G.B., Harpasis S.S., Etty R. *Geochemical Fractionation of Copper (Cu), Lead (Pb), and Zinc (Zn) in Sediment and their Correlations with Concentrations in Bivalve Mollusc Anadara indica from Coastal Area of Banten Province, Indonesia*. *International Journal of Marine Science* 2013, Vol.3, No.30, 238-243.

https://www.researchgate.net/publication/272992358_Geochemical_Fractionation_of_Copper_Cu_Lead_Pb_and_Zinc_Zn_in_Sediment_and_their_Correlations_with_Concentrations_in_Bivalve_Mollusc_Anadara_indica_from_Coastal_Area_of_Banten_Province_Indonesia

Taufik I. 2011. Pencemaran Pestisida pada Perairan Perikanan di Sukabumi- Jawa Barat. *Media Akuakultur*. Vol 6, No. 1. Balai Riset Perikanan Budidaya Air Tawar. Bogor.

<http://ejournal-balitbang.kkp.go.id/index.php/ma/article/view/556>

Tchounwou P.B., Clement G.Y., Anita K.P., Dwayne J.S. *Heavy Metal Toxicity and the Envorement*. EXS. 2012 ; 101: 133–164. USA.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4144270/>

Tchounwou PB, Patlolla AK, Centeno JA. *Carcinogenic and systemic health effects associated with arsenic exposure-a critical review. Toxicol Pathol.* 2003; 31(6):575–588.

<https://www.ncbi.nlm.nih.gov/pubmed/14585726>

Tchounwou PB, Wilson BA, Abdelgnani AA, Ishaque AB, Patlolla AK. *Differential cytotoxicity and gene expression in human liver carcinoma (HepG2) cells exposed to arsenic trioxide and monosodium acid methanearsonate (MSMA). Intl J Mol Sci.* 2002; 3:1117–1132.

https://www.researchgate.net/publication/26548133_Differential_Cytotoxicity_and_Gene_Expression_in_Human_Liver_Carcinoma_HepG2_Cells_Exposed_to_Arsenic_Trioxide_and_Monosodium_Acid_Methanearsonate_MSMA

Tiwari S., Tripathi I.P., Tiwari H.L. 2013. *Effects of Lead on Environment.* International Journal of Emerging Research in Management & Technology ISSN: 2278-9359 (Volume-2, Issue-6). India.

https://www.researchgate.net/publication/274721823_Effects_of_Lead_on_Environment

Tokar, E. J., Diwan, B. A., and Waalkes, M. P. (2010a). *Arsenic exposure in utero and non-epidermal proliferative response in adulthood in Tg.AC mice.* Int. J. Toxicol. 29, 291–296.

https://journals.sagepub.com/doi/full/10.1177/1091581810362804?url_ver=Z39.88-2003&rfr_id=ori:rid:crossref.org&rfr_dat=cr_pub%3dpubmed

Umbara H., Hery S. 2006. Faktor Bioakumulasi ^{210}Pb oleh Kerang Darah (*Anadara granosa*). Jurnal Hasil Penelitian dan Kegiatan PTLR. Pusat Teknologi Limbah Radioaktif, Batan.

http://digilib.batan.go.id/e-prosiding/File%20Prosiding/Lingkungan/Penelit_Kegiatan_PTLR_06/Data_Artikel/Heru_Umbara_62.pdf

Valera B., Marit E.J., Charlotte J., Peter B. *Exposure to persistent organic pollutants and risk of hypertension among Inuit from Greenland.* Environmental Research 122 (2013) 65–73. Demark.

<https://www.sciencedirect.com/science/article/pii/S0013935112003453?via%3Dihub>

Wang H., Zhu G., Shi Y., Weng S., Jin T., Kong Q., Nordberg G.F. 2003. *Influence of Environmental Cadmium Exposure on Forearm Bone Density*. Journal of Bone and Mineral Research. Vol 18, No 3. China.

<https://asbmr.onlinelibrary.wiley.com/doi/full/10.1359/jbmr.2003.18.3.553>

Wanna M., Subari Y., Kadiman. 2017. Analisis Kualitas Air dan Cemaran Logam Berat Merkuri (Hg) dan Timbal (Pb) pada Ikan dan Kerang di Kanal Daerah Herstaning Kota Makassar. Jurnal Pendidikan Teknologi Pertanian, Vol. 3: S197-S210.

<https://ojs.unm.ac.id/ptp/article/view/5719/3328>

WHO. 2006. *Concise International Chemical Assessment Document 70: Heptachlor*.

<https://www.who.int/ipcs/publications/cicad/cicad70.pdf?ua=1>

William B D., Macdonal W.E. *Organochlorine Pesticides and Liver Cancer Deaths in the United States, 1930-1972*. Ecotoxicology and Environmental Safety I, 89-110.

<https://www.sciencedirect.com/science/article/pii/0147651377900185?via%3Dihub>

Wulandari S. Y., Bambang Y., Gunawan W. S., Ken S. 2009. Kandungan Logam Berat Hg dan Cd Dalam Air, Sedimen dan Kerang Darah (*Anadara granosa*) Dengan Menggunakan Metode Analisis Pengaktifan Neutron (APN). Ilmu Kelautan. Vol. 14 (3): 170 -175. Universitas Diponegoro, Semarang.

<https://ejournal.undip.ac.id/index.php/ijms/article/view/1618/1381>

Yousafzai A.M., Douglas P.C., Abdur R.K., Iftikhar A., Muhammad S. 2010. *Comparison of Heavy Metals Burden in Two Freshwater Fishes Walago attu and Labeo dyocheilus With Regard to Their Feeding Habits in Natural Ecosystem*. Pakistan J. Zool., vol. 42(5), pp. 537-544, 2010. Pakistan.

https://www.researchgate.net/publication/228473130_Comparison_of_Heavy_Metals_Burden_in_Two_Freshwater_Fishes_Walago_attu_and_Labeo_dyocheilus_With_Regard_to_Their_Feeding_Habits_in_Natural_Ecosystem

Zahir, F., Rizwi, S. J., Haq, S. K., & Khan, R. H. 2005. *Low dose mercury toxicity and human health*. *Environmental Toxicology and Pharmacology*, 20(2), 351–360.

<https://www.ncbi.nlm.nih.gov/pubmed/21783611>

Zhang P., Xu Y., Sun J., Li X., Wang L., Jin L. 2009. *Protection of pyrroloquinoline quinone against methylmercury-induced neurotoxicity via reducing oxidative stress*. Free Radical Research, March 2009; 43(3): 224233. China.

<https://www.tandfonline.com/doi/abs/10.1080/10715760802677348?journalCode=ifra20>

Zuleica C.C., Saulo R.F., Ana P.C.R., Roberto C. V.B., Shefa S., Marcello M.V., Christian B. *Mercury contamination in fish from gold mining areas in Indonesia and human health risk assessment*. *Science of the Total Environment* 368 (2006) 320–325.

<https://www.sciencedirect.com/science/article/pii/S0048969706001628>

Zulkarnain M.N.F., Boedi S.R., Moch A.A. 2013. Studi Kandungan Logam Berat Kadmium (Cd) pada Species Ikan Kembung (*Rastrelliger kanagurta*) dan Kerang Darah (*Anadara granosa*) di Perairan Manyar, Gersik dan Di Perairan Jabon, Sidoharjo. *Jurnal Ilmiah Perikanan dan Kelautan* Vol. 5, No. 1. Universitas Airlangga.

<https://e-journal.unair.ac.id/JIPK/article/view/11422>

