

## 6. DAFTAR PUSTAKA

Adams, M.A., M. Bolger, C.D. Carrington, C.E. Coker, G.M. Cramer, M.J. DiNovi & S. Dolan (1993<sup>a</sup>). *Guidance Document for Cadmium in Shellfish*. Guidance Documents for Trace Element in Seafood (Washington DC: National Academy Press).

Adams, M.A., M. Bolger, C.D. Carrington, C.E. Coker, G.M. Cramer, M.J. DiNovi & S. Dolan (1993<sup>b</sup>). *Guidance Document for Lead in Shellfish*. Guidance Documents for Trace Element in Seafood (Washington DC: National Academy Press).

Ahmed, F.E. (editor) (1991). *Seafood Safety*. National Academy Press. Washington D.C.

Ahsanullah, M.; M.C. Mobley & D.S. Negilski (1984). Accumulation of Cadmium from Contaminated Water and Sediment by The Shrimp *Callinassa australiensis*. *Marine Biology* 82: 191-197.

Al-Mohanna, S.Y. & M.N.V. Subrahmanyam(2001). Flux of Heavy Metal Accumulation in Various Organs of The Intertidal Marine Blue Crab, *Portunus pelagicus* (L.) from the Kuwait Coast after The Gulf War. *Environmental International*.. 27:321-326

Anonim (1997). *Produksi Tambak Menurut Jenis Ikan di Kotamadia*. Dinas Perikanan Jawa Tengah.

\_\_\_\_\_ (1998). *Statistik Indonesia*. Badan Pusat Statistik. Jakarta.

\_\_\_\_\_ (2000). *Statistik Indonesia*. Badan Pusat Statistik. Jakarta.

\_\_\_\_\_ (1999). *Produksi dan Nilai Produksi Perikanan Laut Jawa Tengah*. Badan Pusat Statistik. Semarang.

\_\_\_\_\_ (1992). *International Programme on Chemical Safety. Environmental Health Criteria 135: Cadmium-Environmental Effect*. WHO.Macmillan. Geneva.

\_\_\_\_\_ (1996). Trace Element in Human Nutrition and Health. WHO. Macmillan. Geneva.

\_\_\_\_\_ (1997). Pencemaran di Teluk Jakarta mencapai radius 10 km. *KOMPAS*, 21 Oktober, p.3.

Baudrimont, M.; J. Metivaud; R.M. Brachet; F. Ribeyre & A. Boudou (1997). Bioaccumulation and Metallothionein Response in The Asiatic Clam (*Corbicula fluminea*) after Experimental Exposure to Cadmium and Inorganic Mercury. *Environmental Toxicology and Chemistry* 16(10): 2096-2105.

Bernhard, M. and Andreae, M. O. (1984). Transport of Trace Metals in Marine Food Chains. In J. O. Nriagu, ed. Changing Metal cycles and Human Health. Springer-Verlaag. New York.

Blasco, J.; V. Saenz & A. Gomez-Parra (2000). Heavy Metals Fluxes at The Sediment Water Interface of Three Coastal Ecosystems from South-West of The Iberian Peninsula. *The Science of the Total Environmental* 247:189-199.

Browne, D.R., A. Husni, M.J. Risk, J. Evles (1999). Exposure Assessment : Heavy Metals In Marine Biota of Coastal Indonesia. UNIP-McMaster Collaborative Project in Coastal Zone Eco-Development. <http://www.informer2.cis.mcmaster.ca/mich/indo.htm>.

Bu-Olayan, A.H. & S Al-Yakoob (1998). Lead, Nickel and Vanadium in Seafood: An Exposure Assesment for Kuwaiti Consumers. *The Science of the Total Environment* 223:81-86.

Chan, H.M. & P.S.Rainbow (1993). The Accumulation of Dissolved Zinc by The Shore Crab *Carcinus maenas* (L.). *Ophelia* 38(1): 13-30.

Costa, M.; E. Paiva & I. Moreira (2000). Total Mercury in Perna Perna Mussels from Guanabara Bay-10 years later. *The Science of the Total Environment* 261:69-73.

Depledge, M.H. & P.S.Rainbow (1990). Models of Regulation and Accumulation of Trace Metals in Marine Invertebrates. *Compiler of Biochemical Physiology* 97C(1): 1-7.

Devescovi, M & C. Lucu (1995). Seasonal Changes of The Copper Level in Shore Crabs *Carcinus mediterraneus*. *Marine Ecology Progress Series* 120: 169-174.

Dickman, M.D. & K. M. C. Leung (1998). Mercury and Organochlorine Exposure from Fish Consumption in Hong Kong. *Chemosphere* 37: 991-1015.

Dore, I. & C. Frimodt. (1987). *An Illustrated Guide to Shrimp of The World*. An Osprey. New York.

FAO. (2000). *World Aquaculture Production by Species Groups*. [www.FAO.org](http://www.FAO.org)

Farley, D. (1998). Dangers of Lead Still Linger. FDA Cosumer January-February. U.S. FDA.

Fernandes, H.M.; E.D. Bidone; L.H.S.Veiga; S.R. Patchhineelam (1994). Heavy metal Pollution Assesment in Coastal Lagoons of Jacarepagua, Rio-de-Janeiro, Brazil. *Environmental Pollution* 85:259-264.

Finchan, A.A. & P.S. Rainbow. (1988). *Aspects of Decapod Crustacean Biology* Zoological Society of London Symposia 59. Oxford University Press. New York.

Green, SA. (2002). A Brief Introduction to Allometry. <http://www.swarthmore.edu>

Groten, J.P. & P.J. van Bladeren (1994). Cadmium Bioavailability and Health Risk in Food. *Trends in Food Science and Technology* 5: 50-55.

Hadiwiyoto, S. (1993). *Teknologi Pengolahan Hasil Perikanan*. Jilid 1. Liberty. Yogyakarta.

Han, B.C., W.L., Jeng, R.Y. Chen, G.T. Fang, T.C. Hung & R.J. Tseng (1998). Estimation of Target Hazard Quotients and Potential Health Risks for Metals by Consumption of Seafood in Taiwan Coast. *Archives of Environmental Contamination and Toxicology* 35:711-720.

Han, B.C.; W.L. Jeng; T.C. Hung & M.S. Jeng (1994). Copper Intake and Health Threat by Consuming Seafood from Copper-Contaminated Coastal Environment in Taiwan. *Journal of Environmental Toxicology and Chemistry* 13(5): 775-780.

Han, B.C., W.L. Jeng, T.C. Hung, Y.C. Ling, M.J. Shieh & L.C. Chien. (2000). Estimation of Metal and Organochlorine Pesticide Exposures and Potential Health Threat by Consumption of Oyster in Taiwan. *Environmental Pollution* 109:147-156.

Hantoro, I (2000). Metals Content, Microbial Composition and Biomass Reduction of Tissue of Commercially Important Cockle (*Anadara granosa*) from Coastal Areas In Semarang and Kendal. Skripsi. Unika Soegijapranata. Semarang.

Hendriks, A.J.; H. Pieters & J. de Boer (1998). Accumulation of Metals, Polycyclic (Halogenated) Aromatic Hydrocarbons, and Biocides in Zebra Mussel and Eel from The Rhine and Meuse Rivers. *Environmental Toxicology and Chemistry* 17(10): 1885-1898.

High, K.A.; V.J. Barthelet; J.W. McLaren & J.S. Blais (1997). Characterization of Methallothionein-like Protein from Zebra Mussels (*Dreissena polymorpha*). *Environmental Toxicology and Chemistry* 16(6): 1111-1118.

Horvat, M.; S. Coveilli; J. Faganeli; M. Logar; V. Mandic; R. Rajar; A. Sirca & D. Zagar (1999). Mercury in Contaminated Coastal Environments; A Case Study: The Gulf of Trieste. *The Science of the Total Environment* 237/238:43-56.

Ibrahim, N. & I. Mat. (1995). Trace Element Content in Relation to The Body Weight of The Marine Bivalve, *Anadara granosa* with Special Reference to The Application of INAA and ICP-AES Analytical Techniques. *Journal of Radio Analytical and Nuclear Chemistry*. 195(1): 203-208.

Ismail, A.; H. Wahidah & J.H. Ali. (1994). Heavy Metal Contamination in Malaysian Rice Field Snails. In Widianarko, B.; K. Vink & N.m. van Straalen.. *Environmental Toxicology in South East Asia*. VU University Press. Amsterdam.

Jewett, S.C. & A.S. Naidu (2000). Assessment of Heavy Metals in Red King Crab Following Offshore Placer Gold Mining. *Marine Pollution Bulletin*, 40:478-490.

John, L. & T.V. Fernandes (1998). Incidence of Trace Metals in *Scylla serrata*, An Edible Crab from Ashtamudi Estuary, India. *Journal of Environmental Biology* 19(2): 99-106.

Jorhem, L.; J. Engman; B. Sundstrom & A.M. Thim (1994). Trace Element in Crayfish: Regional Differences and Changes Induced by Cooking. *Archives of Environmental Contamination Toxicology* 26: 137-142.

Joiris, C.R. & M.I. Azokwu (1999). Heavy Metals in Bivalve Anadara (*Senilia*) Senilis from Nigeria. *Marine Pollution Bulletin* 38:618-622.

Joiris, C.R. & M.I. Azokwu, F. Otchere & I.B.Ali (1998). Mercury in Bivalve Anadara (*Senilia*) Senilis from Ghana and Nigeria. *The Science of the Total Environment* 224:181-188.

Jones, G.B., P. Mercurio F. Oliver (2000) Zinc in Fish, Crabs, Oyster and Mangrove Flora and Fauna from Cleaveland Bay. *Marine Pollution Bulletin* 41:345-352.

Joseph. (2002). Kandungan Logam, Bakteri Patogen dan Nutrisi Kerang dari Pantai Semarang dan Demak. UNIKA Soegijapranata. Semarang.

Kehrig, H.A.;M. Costa; I. Moreira & O. Malm (2001). Methylmercury and Total Mercury in Estuarine Organisms from Rio de Janeiro, Brazil. *Environmental Science and Pollution Research* 8:275-279.

Kraak, M.H.S.; D. Lavy; H. Schoon; M. Toussaint; W.H.M. Peeters & N.M van Straalen (1994). Ecotoxicity of Mixtures of Metals to The Zebra Mussel *Dreissena Polymorpha*. *Environmental Toxicology and Chemistry* 13: 109-114.

Kurian, C.U. & V. O. Sebastian. (1982). Prawns & Prawn Fisheries of India. Second Edition. Hindustan publishing Corporation.

Kuttayamma, V. J. (1974). Observation on Food and Feeding of Some Penaid Prawns of Cochin area. *J. Mar. Biology. Ass. India* 15(1), 189-194.

Lakshmi, A. & R. Rajagopalan (2000). Socio-economic Implications of Coastal Zone Degradation and Their Mitigation: A Case Study from Coastal Villages in India. *Ocean & Coastal Management* 43:749-762.

Lee, D.O.C. & J. F. Wickins. (1992). Crustacean Farming. Blackwell Scientific Publication. London.

Mat, I. (1994) Arsenic and Trace Metals in Commercially Important Bivalves, *Anadara granosa* and *Paphia undulata*. *Bulletin of Environmental Contamination and Toxicology* 52:833-839.

Mat, I.; M.J. Maah & A. Johari (1994). Trace metals in Sediment and Potential Availability to *Anadara granosa*. *Archives of Environmental Contamination Toxicology* 27: 54-59.

Mortimer, M.R.(2000). Pesticide and Trace Metal Concentrations in Queensland Estuarine Crabs. *Marine Pollution Bulletin* 41:359-366.

Nelson, W. G.; B.J. Bergen & D. J. Cobb. (1995). Comparison of PCB and Trace Metal Bioaccumulation in The Blue Mussel, *Mytilus edulis*, and Ribbed Mussel, *Modiolus demissus*, in New Bedford Harbor, Massachusetts. *Environmental Toxicology and Chemistry* 14(3):513-521.

Osuna, F.P. & L.T. Mayen (1995). Distribution of Heavy Metals in Tissues of The Shrimp *Penaeus californiensis* from The Northwest Coast of Mexico. *Bulletin Environmental Contaminant Toxicology* 55: 209-215.

Pickett, S. T. A; M.L. Cadenasso; J.M.Grove; C.H.Nilon; R.V. Pouyat; W.C.Zipperer & R. Costanza (2001). Urban Ecological Systems: Linking Terrestrial Ecological, Physical, and Socioeconomic Components of Metropolitan Areas. *Annual Review of Ecology and Systematics* 32:127-157.

Prudente, M.S.; H. Ichihashi & R. tatsukawa (1994). Heavy Metal Concentrations in Sediments from Manila Bay, Phillippines and Inflowing Rivers. *Environmental Pollution* 86:83-88.

Rainbow, P.S. & S.L. White (1989). Comparative Strategies of Heavy Metal Accumulation by Crustaceans: Zinc, Copper and Cadmium in A Decapod, An Amphipod and A Barnacle. *Hidrobiologia* 174: 245-262.

Shahidi, F. & J.R. Botta. (1994). Seafoods: Chemistry, Processing, Technology and Quality. Blackie Academic. London.

Shatenstein, B.; T. Kosatsky; S. Nadon, S. Lussier-Cacan & J.-P. Weber (1999). Reliability and Relative Validity of Fish Consumption Data Obtained in An Exposure

Assessment Study Among Montreal-area Sportfishers. *Environmental Research Section A* 80: S71-S86.

Shigneno, K. (1975). Shrimp Culture in Japan. Association for International Technical Promotion. Tokyo. Japan.

Standar Nasional Indonesia. (1992). Cara Uji Cemar Logam. Departemen Perindustrian.

Soeseno, S. (1985). Budidaya Ikan dan Udang dalam Tambak. PT. Gramedia. Jakarta.

Sole, M; C. Porte; D. Barcelo & J. Albaiges (2000). Bivalves Residue Analysis for The Assesment of Coastal Pollution in The Ebro Delta (NW Mediterranean). *Marine Pollution Bulletin* 38:746-753.

Sulistiyawati, I. (2001). Trace Metal and Nutritional Contents of Cockle *Anadara granosa* from Several Location at Northern Coast of Central Java. Thesis. Unika Soegiapranata. Semarang.

Tahvonon, R. & J. Kumpulainen. (1996). Content of Lead and Cadmium in Selected Fish Species Consumed in Finland in 1993-1994. *Food Additives and Contaminants* 13(6):647-654.

Takarina, N.D. (1998). Heavy Metal Levels in Surficial River Sediment from Semarang, Central Java, Indonesia. *Environmental Journal* 35-40.

Tukimat, L.; D. Aminah; S. Salmijah & Y.H. Lee (1999). Assessment of Heavy Metals in Malaysian diet. *Buletin Kesehatan Masyarakat* 5:37-46.

Turoczy, N.J.; B.D. Mitchell; A. H. Leving & V.S. Rajendram (2001). Cadmium, Cooper, Mercury, and Zinc Concentrations in Tissues of The King Crab (*Pseudocarcinus gigas*) from Southeast Australian Waters. *Environment International* 27:327-334.

Vasquez, G.F.; V.K.Sharma; V.R. Magallanes & A.J. marmolejo (1999). Heavy Metals in A Coastal Lagoon of The Gulf of Mexico. *Marine Pollution Bulletin* 38:479-485.

Widianarko, B. (1997). Urban Ecotoxicology : Spatial and Temporal Heterogeneity of Pollution. Faculty of Biology. Ph.D. Thesis. VU Amsterdam.

Widianarko , B. (2000). Bioindication of Urban Metal Pollution using The Guppy, *Poecilia reticulata*. *Lingkungan & Pembangunan* 20(2): 202-217.

Widianarko, B.,I. Sulistyawati & N.M. van Straalen (2001<sup>a</sup>). Dietary Exposure to Trace Metal in Cockles, *Anadara granosa* from Four Sites Along The North Coast of Central Java, Indonesia. (submitted).

Widianarko, B., M. Leliveld, S. A. Pujilestari & N.M. van Straalen (2001<sup>b</sup>). Food Safety Risk of Trace Metals in The Crab *Scylla serrata* from The Coastal Area of Semarang, Indonesia. (submitted).

Widianarko, B. & N.M. van Straalen (2000). Spatial Distribution of Trace Metals in Sediment from Urban Streams of Semarang, Central Java, Indonesia. *Ecotoxicology & Environmental Safety* 46: 101-107.

Widianarko, B. (2002). Peran Toksikologi Lingkungan dalam Pemecahan Masalah Pangan dan Lingkungan. UNIKA University Press. Semarang.

Widigdo, B. & K. Soewardi (1999). Kelayakan Lahan Tambak di Proyek Pandu Tir-Karawang untuk Budidaya Udang Windu Dalam Hubungannya Dengan Kadar Logam Berat dan Pestisida. *Buletin Pesisir & Lautan*. Vol 2. No. 3. Institut Pertanian Bogor.

Winarno, F.G. (1993). Kimia Pangan dan Gizi. Gramedia Pustaka Utama. Jakarta.

Zanders, I.P. & W.E. Rojas (1996). Salinity Effects on Cadmium Accumulation in Various Tissues of The Tropical Fiddler Crab *Uca rapax*. *Environmental Pollution* 94(3): 293-299.