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## LIST OF PUBLICATIONS

### **(a) Seminar/Conferences**

1. Rahimah Abdullah, Mohd Jamil Maah and Wang Chee Woon (2008). Heavy Metal Studies in Water, Sediment, Fish and Cockles Tissues Obtained from Matang Mangrove Forest Perak. Simposium Kimia Analisis ke-21, 25-27 November 2008, Kota Kinabalu, Sabah.
2. Rahimah Abdullah, Mohd Jamil Maah and Wang Chee Woon (2008). Heavy Metals Distribution in tissues of fish species in Matang Mangrove, Perak. 4<sup>th</sup> Mathematics and Physical Sciences Graduate Congress, 17-19 December 2008, Singapore.
3. Rahimah Abdullah, Mohd Jamil Maah and Wang Chee Woon (2009). Characterization of Heavy Metal Concentrations in the Sediments from Matang Mangrove Forest, Perak. 5<sup>th</sup> Mathematics and Physical Sciences Graduate Congress, 7-9 December 2009, Bangkok, Thailand.
4. Rahimah Abdullah, Mohd Jamil Maah and Wang Chee Woon (2010). Heavy metal profiling in the sediments from Matang Mangrove Forest, Perak. 5<sup>th</sup> Annual International Symposium on Environment, 20-23 May 2010, Athens, Greece.

## APPENDIX

	Parameter	CLASS 1	CLASS 2	CLASS 3	CLASS E
	BENEFICIAL USES	Preservation, marine protected areas, Marine Parks	Marine Life, Fisheries, Coral Reefs, Recreational and Mariculture	Ports, Oil & Gas Fields	Mangrove,s Estuarine & River-mouth Water
1	Temperature (°C)	≤2 °C increase over maximum ambient	≤2 °C increase over maximum ambient	≤2 °C increase over maximum ambient	≤2°C increase over maximum ambient
2	Dissolved Oxygen (mg/L)	>80% saturation	5.0	3.0	4.0
3	Total Suspended Solid (mg/L)	25 mg/L or ≤ 10% increase in seasonal average, whichever is lower	50mg/L (25 mg/L) or ≤ 10% increase in seasonal average, whichever is lower	100 mg/L or ≤10 increase in seasonal average, whichever is lower	100 mg/L or ≤ 30% increase in seasonal average, whichever is lower
4	Oil and Grease (mg/L)	0.01	0.14	5	0.14
5	Mercury* (µg/L)	0.04	0.16 (0.04)	50	0.5
6	Cadmium (µg/L)	0.5	2 (3)	10	2
7	Chromium (VI)(µg/L)	5	10	48	10
8	Copper (µg/L)	1.3	2.9	10	2.9
9	Arsenic (III)* (µg/L)	3	20(3)	50	20 (3)
10	Lead (µg/L)	4.4	8.5	50	8.5
11	Zinc (µg/L)	15	50	100	50

Marine Water Quality Criteria and Standard