

Table 3: The overall result of the Chlorophyll a and the nutrient contents at every sampling station inside and outside the Lagoons of Pulau Layang Layang Malaysia

Sampling Station	Water layer S=surface M=Middle B=Bottom	Conc. Of Chloro. A (mg/m ³ or µg/l)	Water Quality parameter			
			Phosphate (PO ₄) (µmol/l)	Nitrate (NO ₃) (µmol/l)	Nitrite (NO ₂) (µmol/l)	Silicate (Si) (µmol/l)
1. Inside lagoon						
ST 1	S	0.0393	0.1053	5.65	0.04	100.00
ST 2	S	0.0559	0.1053	6.45	0.07	25.00
ST 3	S	0.0788	0.1053	6.45	0.054	50.00
ST 4	S	0.0285	0.1053	11.29	0.01	67.85
ST 5	S	0.0532	0	10.48	0.0217	44.64
2. Open sea (upper zone-above the P.Layang2)						
ST 13	S	0.0319	0.2105	6.45	0	25.00
	M	0.0467	2.6316	8.06	0.0435	21.43
	B	0.0250	0.1053	6.45	0.0217	21.43
ST 15	S	0.0590	0.2105	12.90	0.0435	114.29
	M	0.0152	0.1053	9.68	0.0217	21.43
ST 17	B	0.0465	0.1053	1.61	0.0652	3.57
	S	0.0099	0.5263	6.45	0.0435	46.30
ST 19	M	0.1095	2.3158	6.45	0.0652	28.57
	B	0.0500	1.5789	8.06	0.0217	60.71
	S	0.0082	1.2632	8.06	0.0652	25.00
	M	0.0092	0.8421	6.45	0.0652	50.00
	B	0.0229	0.2105	4.83	0.1087	17.85
3. Open sea (lower zone-below the P. Layang2)						
ST 1	S	0.0198	0.2105	11.29	0.0435	39.28
	M	0.0172	0.2105	11.29	0.0217	32.14
	B	0.0101	0.2105	8.06	0.0869	60.71
ST 3	S	0.0823	0.1053	11.29	0.0652	25.00
	M	0.0127	0	9.67	0.0217	32.14
ST 5	B	0.1046	0.4211	8.06	0.0652	17.85
	S	0.0557	0.3158	11.29	0.0652	28.57
	M	0.0279	0.1053	4.83	0.0435	17.85
ST 7	B	0.0895	0.3158	6.45	0.0217	60.71
	S	0.0618	0.1053	6.45	0.0217	75.00
ST 9	M	0.093	0.1053	8.06	0.0652	21.43
	B	0.0680	0	8.06	0.0435	21.43
	S	0.0276	0.2105	8.06	0.0652	46.43
ST 11	M	0.0446	0.2105	8.06	0.0217	21.43
	B	0.0932	0.3158	9.67	0	67.86
	S	0.0333	0.1053	11.29	0.0652	67.86
	M	0.0199	0.2105	9.67	0.0652	42.86
	B	0.0786	0.3158	11.29	0.0435	60.71