

Supplementary Material

Table S1. Pearson's correlation coefficients between pigment concentrations and phytoplankton group abundances in each bay.

Variables	1	2	3	4	5	6	7	8	9	10	11	12	13
Jakarta Bay													
Diatoms (1)	1.00												
Dinoflagellates (2)	0.65	1.00											
Cyanobacteria (3)	0.08	0.17	1.00										
Chlorophyceae (4)	0.23	0.37	0.23	1.00									
Chl-a (5)	0.62	0.33	0.06	0.48	1.00								
Chl-b (6)	0.42	0.23	0.00	0.51	0.96	1.00							
Chl-c (7)	0.42	0.48	0.66	0.12	-0.02	-0.20	1.00						
Peridinin (8)	0.21	0.10	0.74	0.05	0.01	-0.10	0.38	1.00					
Fucoxanthin (9)	0.87	0.49	0.46	0.51	0.23	-0.02	0.63	0.50	1.00				
Diadinoxanthin (10)	0.82	0.44	0.63	0.31	0.47	0.26	0.85	0.46	0.75	1.00			
Lutein (11)	0.43	0.21	0.05	0.41	0.96	0.99	-0.16	-0.06	-0.02	0.30	1.00		
Zeaxanthin (12)	0.40	0.12	0.00	0.14	0.90	0.94	-0.19	-0.07	-0.17	0.25	0.96	1.00	
β Carotene (13)	0.57	0.36	0.14	0.71	0.96	0.92	0.08	-0.01	0.30	0.51	0.92	0.79	1.00
Lampung Bay													
Diatoms (1)	1.00												
Dinoflagellates (2)	0.71	1.00											
Cyanobacteria (3)	0.84	0.62	1.00										
Chlorophyceae (4)	0.87	0.41	0.72	1.00									
Chl-a (5)	0.93	0.63	0.88	0.89	1.00								
Chl-b (6)	0.43	0.11	0.33	0.30	0.57	1.00							
Chl-c (7)	0.62	0.51	0.31	0.85	0.64	0.32	1.00						
Peridinin (8)	0.11	0.12	0.09	0.08	0.09	0.09	0.09	1.00					
Fucoxanthin (9)	0.85	0.47	0.89	0.88	0.87	0.14	0.51	0.09	1.00				
Diadinoxanthin (10)	0.86	0.38	0.67	0.98	0.88	0.35	0.90	0.09	0.82	1.00			
Lutein (11)	0.57	0.46	0.76	0.45	0.74	0.59	0.13	0.09	0.60	0.44	1.00		
Zeaxanthin (12)	0.09	0.11	0.07	0.09	0.09	0.08	0.09	0.11	0.09	0.09	0.09	1.00	
β Carotene (13)	0.73	0.63	0.69	0.58	0.85	0.85	0.45	0.09	0.51	0.63	0.81	0.09	1.00
Semangka Bay													
Diatoms (1)	1.00												
Dinoflagellates (2)	0.90	1.00											
Cyanophyceae (3)	0.46	0.37	1.00										
Chlorophyceae (4)	0.14	0.03	0.80	1.00									
Chl-a (5)	0.97	0.87	0.60	0.31	1.00								
Chl-b (6)	-0.19	-0.30	0.08	0.26	-0.14	1.00							
Chl-c (7)	0.93	0.92	0.55	0.24	0.93	-0.21	1.00						
Peridinin (8)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00					
Fucoxanthin (9)	0.98	0.92	0.54	0.19	0.98	-0.16	0.96	0.00	1.00				
Diadinoxanthin (10)	0.86	0.81	0.51	0.17	0.87	0.12	0.88	0.00	0.90	1.00			
Lutein (11)	-0.17	-0.25	-0.46	-0.18	-0.19	0.17	-0.28	0.00	-0.25	-0.15	1.00		
Zeaxanthin (12)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	
β Carotene (13)	0.92	0.91	0.53	0.60	0.95	-0.17	0.97	0.00	0.97	0.90	-0.21	0.00	1.00