

Hidayah N, Tahirin SA, Fairoz M, Rozaimi M. Carbon stock and $\delta^{13}\text{C}$ data of sediment samples collected from a tropical seagrass meadow in Malaysia. *Plant Science Today* 2019;6(2):132-136. <https://doi.org/10.14719/pst.2019.6.2.489>

Supplementary Table

S1. Downcore data for sediment bulk density, organic (OC), inorganic carbon (IC) and CaCO_3 contents of sediment layers. Abbreviations in parentheses refer to sediments patches colonised by the different species: Cs - *Cymodocea serrulata*; Ho - *Halophila ovalis*; Hp - *Halodule pinifolia*; Ea - *Enhalus acoroides*; Th - *Thalassia hemprichii*; Unvg - bare/unvegetated.

Location	Core ID	Sediment layer depth (cm)	Bulk density (g DW cm ³)	OC (%)	IC (%)	CaCO_3 (%)	$\delta^{13}\text{C}$ (‰)
Tanjung Adang	TA1 (Cs)	0-1	2.03	0.35	0.78	6.50	-21.9
		4-5	1.66	0.38	0.76	6.35	-25.6
		9-10	1.42	0.64	0.84	7.01	-27.0
		14-15	1.64	0.60	0.50	4.18	-26.8
		19-20	1.67	0.38	0.53	4.42	-26.3
		24-25	1.13	0.80	0.49	4.06	-27.0
		29-30	0.89	1.66	0.55	4.58	-27.7
	TA2 (Cs)	0-1	2.18	0.44	0.69	5.73	-26.0
		4-5	1.54	0.28	0.58	4.83	-24.0
		9-10	1.53	0.42	0.50	4.17	-26.6
		14-15	1.49	0.49	0.33	2.71	-26.6
		19-20	1.15	0.90	0.40	3.31	-27.3
		24-25	1.18	1.59	0.62	5.19	-27.9
	TA3 (Cs)	0-1	2.12	0.42	0.32	2.66	-24.7
		4-5	1.53	0.25	0.73	6.05	-24.1
		9-10	1.42	1.00	0.66	5.53	-27.9
		14-15	1.64	0.41	0.52	4.32	-26.2
		19-20	1.04	1.06	0.42	3.54	-27.1
		24-25	1.55	1.16	0.64	5.32	-27.5
	TA4 (Ho)	0-1	0.86	1.68	0.43	3.61	-27.0
		4-5	1.12	0.37	0.28	2.33	-24.6
		9-10	1.73	0.50	0.19	1.62	-25.7
		14-15	1.28	0.30	0.33	2.72	-25.0
		19-20	0.80	0.44	0.73	6.06	-22.0
		24-25	0.95	1.41	0.67	5.57	-27.3
	TA5 (Ho)	0-1	1.21	0.24	0.50	4.19	-22.5
		4-5	0.94	0.36	0.33	2.77	-25.3
		9-10	1.47	0.33	0.29	2.44	-25.2
		14-15	1.69	0.29	0.30	2.52	-26.2
		19-20	1.23	0.25	0.39	3.26	-25.3
		24-25	1.43	0.55	0.52	4.31	-25.2
		29-30	1.46	1.01	0.60	5.03	-26.8
	TA6 (Ho)	0-1	1.33	0.51	0.37	3.07	-25.8
		4-5	1.24	0.33	0.35	2.88	-25.5
		9-10	1.70	0.22	0.36	3.04	-24.3
		14-15	1.44	0.23	0.61	5.10	-26.1
		19-20	1.55	0.50	0.97	8.07	-26.6
		24-25	1.72	1.15	0.63	5.21	-27.3
	TA7 (Hp)	0-1	1.13	0.18	0.27	2.29	-22.1
		4-5	1.29	0.42	0.42	3.51	-26.0
		9-10	1.02	0.58	0.39	3.21	-26.6
		14-15	1.09	0.25	0.98	8.17	-25.7
		19-20	1.47	0.29	0.31	2.62	-25.2
		24-25	1.47	0.17	1.01	8.42	-24.7
		29-30	1.50	0.31	1.61	13.42	-25.9

West Merambong	TA8 (Hp)	0-1	0.80	0.17	0.32	2.64	-22.2
		4-5	1.03	0.18	0.58	4.82	-23.4
		9-10	1.65	0.39	0.37	3.05	-26.2
		14-15	1.00	0.31	0.34	2.83	-25.1
		19-20	1.33	0.21	0.82	6.79	-25.1
		24-25	1.24	0.33	0.67	5.54	-25.7
		29-30	1.24	0.28	0.70	5.87	-25.4
	TA9 (Hp)	0-1	1.41	0.55	0.57	4.76	-26.3
		4-5	1.22	0.19	0.50	4.19	-23.9
		9-10	1.03	0.22	0.87	7.28	-24.2
		14-15	0.83	0.45	0.68	5.65	-26.6
		19-20	1.27	0.61	0.63	5.24	-27.0
		24-25	0.88	0.92	0.71	5.91	-27.4
		29-30	0.73	1.52	0.65	5.39	-27.4
	TA10 (Ea)	0-1	1.44	0.19	0.26	2.19	-23.1
		4-5	1.19	0.25	0.21	1.76	-26.5
		9-10	1.36	0.18	0.20	1.65	-24.1
		14-15	1.39	0.18	0.46	3.82	-23.3
		19-20	1.18	1.14	0.64	5.29	-26.8
		24-25	0.91	1.41	0.53	4.44	-27.3
		29-30	0.90	1.59	0.79	6.55	-27.8
	TA11 (Ea)	0-1	1.25	1.10	0.89	7.38	-25.6
		4-5	1.28	0.77	0.20	1.67	-25.7
		9-10	1.07	0.18	0.20	1.65	-24.7
		14-15	1.34	0.25	0.88	7.37	-24.9
		19-20	1.06	1.49	0.50	4.19	-27.4
	TA12 (Ea)	0-1	1.20	0.82	0.96	8.02	-26.1
		4-5	0.73	0.31	0.47	3.93	-24.5
		9-10	0.41	0.84	0.52	4.31	-23.2
		14-15	0.73	0.61	0.47	3.88	-26.5
		19-20	0.90	1.53	0.92	7.66	-26.9
		24-25	0.84	2.49	1.09	9.10	-27.4
		29-30	0.98	0.91	0.87	7.23	-26.9
	TA13 (Unvg)	0-1	0.63	0.14	0.32	2.64	-23.6
		4-5	0.60	0.71	3.11	25.96	-25.5
		9-10	1.05	0.45	0.60	4.96	-25.9
		14-15	1.14	0.38	0.85	7.05	-25.8
		19-20	1.22	0.28	0.58	4.83	-26.3
		24-25	1.34	0.53	0.23	1.93	-26.4
		29-30	1.23	0.71	0.65	5.39	-26.7
West Merambong	WM1 (Ea)	0-1	1.26	0.97	0.78	6.49	-25.3
		9-10	1.82	0.35	0.72	5.98	-25.2
		19-20	1.68	0.22	0.32	2.71	-24.0
		24-25	1.30	0.53	0.28	2.31	-25.5
		29-30	1.13	0.29	0.21	1.79	-25.1
	WM2 (Ea)	0-1	0.77	0.31	0.50	4.18	-24.6
		4-5	1.11	0.37	0.85	7.10	-22.5
		9-10	1.40	0.34	0.25	2.10	-23.1
		14-15	1.78	0.25	0.32	2.68	-24.4
		19-20	1.78	0.15	0.28	2.29	-22.4
		24-25	1.61	0.33	0.45	3.77	-23.9
		29-30	1.47	0.59	0.24	2.02	-24.0
	WM3 (Ea)	0-1	0.86	0.40	0.18	1.48	-24.4
		4-5	1.57	0.34	0.20	1.68	-22.3
		9-10	1.44	0.15	0.20	1.64	-23.6
		14-15	1.52	0.42	0.17	1.39	-23.5
		19-20	1.44	0.29	0.18	1.53	-22.7
		24-25	1.53	0.30	0.17	1.44	-22.9

East Merambong	WM4 (Th)	29-30	0.91	0.24	0.16	1.36	-21.5
		0-1	1.30	0.36	2.68	22.34	-23.0
		4-5	1.13	0.43	0.29	2.44	-24.3
		9-10	1.62	0.30	0.31	2.57	-24.4
		14-15	1.37	0.40	0.28	2.30	-24.3
		19-20	1.06	0.44	0.19	1.60	-24.2
		24-25	1.09	0.37	0.22	1.80	-23.7
		29-30	1.10	0.31	0.17	1.39	-24.9
	WM5 (Th)	0-1	1.22	0.27	0.23	1.92	-22.9
		4-5	1.39	0.37	0.42	3.48	-23.2
		9-10	0.94	0.33	0.21	1.78	-23.6
		14-15	1.23	0.37	0.18	1.48	-23.7
		19-20	1.51	0.41	0.22	1.84	-22.2
		24-25	1.76	0.36	0.35	2.91	-24.3
		29-30	0.94	0.44	0.27	2.25	-25.2
	WM6 (Th)	0-1	1.33	0.45	1.95	16.29	-22.9
		4-5	1.28	0.54	0.70	5.85	-20.4
		9-10	1.39	0.23	0.31	2.57	-23.8
		14-15	1.32	0.36	0.69	5.75	-23.6
		19-20	1.18	0.51	0.25	2.08	-23.8
		24-25	1.05	0.39	0.19	1.55	-24.6
		29-30	1.23	0.35	0.16	1.31	-24.3
	EM1 (Ea)	0-1	0.70	0.35	0.55	4.59	-21.5
		4-5	1.41	0.45	0.70	5.84	-22.2
		9-10	1.64	0.25	0.23	1.88	-23.7
		14-15	1.52	0.24	0.33	2.78	-24.2
		19-20	1.63	0.27	0.36	2.97	-24.5
		24-25	1.51	0.35	0.19	1.59	-21.5
		29-30	1.46	0.24	0.17	1.38	-24.3
	EM2 (Ea)	0-1	0.52	0.41	0.18	1.52	-24.8
		4-5	1.31	0.26	0.17	1.41	-23.2
		9-10	1.28	0.43	0.19	1.54	-21.7
		14-15	1.66	0.27	0.18	1.53	-21.2
		19-20	1.63	0.30	0.25	2.11	-24.1
		24-25	1.56	0.23	0.30	2.50	-23.9
		29-30	1.37	0.26	0.48	3.98	-22.4
	EM3 (Ea)	0-1	0.89	0.37	1.85	0.22	-24.1
		4-5	1.72	0.30	2.52	0.30	-23.5
		9-10	1.93	0.30	2.47	0.30	-23.6
		14-15	1.35	0.25	5.29	0.63	-24.5
		19-20	1.80	0.43	2.39	0.29	-22.4
		24-25	1.46	0.33	3.11	0.37	-23.6
		29-30	1.65	0.29	1.56	0.19	-24.0