

Table S1. Bulk density (BD) and total organic carbon (TOC) in the undrained peat forests.

Author	Site	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.11	54.96
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.07	55.25
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.07	55.67
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.04	52.57
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.05	53.49
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.02	46.36
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.02	47.57
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.10	48.78
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.27	48.28
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.06	47.95
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.02	47.95
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.02	48.52
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.03	50.65
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.03	50.29
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.09	49.58
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.08	47.16
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.07	44.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.08	47.33
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.10	48.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.08	48.38
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.22	52.21
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.21	53.39
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.18	53.99
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.14	53.90
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.12	53.80
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.03	45.86
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.06	46.99
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.10	47.71
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.08	46.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.06	46.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.26	51.03
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.27	52.62
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.25	52.40
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.24	52.46
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.19	52.38
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.09	52.23
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.12	54.98
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.12	51.75
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.13	51.76

Author	Site	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.17	55.54
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.10	54.00
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.10	53.39
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.09	53.31
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.08	53.02
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	0-50	0.08	53.25
Page et al_ 2004	Sebangau NP	Central Kalimantan	Forest	50-100	0.08	50.91
Page et al_ 2004	Sebangau NP	Central Kalimantan	Forest	50-100	0.18	54.20
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.12	52.01
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.13	52.01
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.06	48.84
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.10	52.01
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.04	52.44
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.08	48.90
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.08	49.00
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.07	51.05
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.13	52.29
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.12	50.78
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.07	53.30
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.18	51.16
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.07	53.11
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.04	53.02
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	54.09
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.10	54.09
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	52.06
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	50.10
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.05	47.71
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.06	47.45
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.13	52.90
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.08	48.21
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	47.52
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.10	53.98
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.11	53.66
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.11	53.93
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.13	53.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.14	53.35
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.08	47.27
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	47.77
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	47.08
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.12	47.15
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.10	45.08
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.22	52.20

Author	Site	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.18	52.47
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.17	51.70
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.17	51.99
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.18	51.69
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.06	53.97
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	53.56
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.09	53.07
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.16	53.74
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.13	52.24
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.07	53.89
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.10	53.42
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	50-100	0.15	55.67
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	100-150	0.13	55.50
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	100-150	0.10	57.60
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	100-150	0.12	58.20
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.08	53.46
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.07	53.21
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.08	51.88
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.09	51.59
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.08	51.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.13	51.08
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.05	52.69
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.06	52.66
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.07	51.54
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	55.56
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	52.39
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.25	55.08
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.20	55.42
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.09	53.57
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	55.82
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.08	53.17
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.15	53.01
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	53.04
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	53.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.13	52.97
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.11	52.56
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	53.09
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.11	52.53
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	52.39
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	47.04
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	47.05
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	47.66

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Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	47.10
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.10	46.23
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.17	51.11
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.18	51.26
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.17	51.27
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.21	52.39
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.13	51.82
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.17	51.36
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.16	54.52
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.18	52.30
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	52.19
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.43	54.00
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.16	53.17
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	100-150	0.12	54.57
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	150-200	0.15	57.40
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	150-200	0.06	54.70
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.08	51.78
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	50.34
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.08	49.27
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	49.41
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	48.58
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.07	58.60
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	55.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.07	55.15
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.05	54.01
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.06	56.83
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.15	54.97
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.17	54.65
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.17	53.51
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.19	53.69
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.15	53.33
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.07	51.99
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.07	52.05
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	52.04
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.08	50.80
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.13	53.29
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	52.61
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.10	52.78
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.12	53.16
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.13	53.24
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.12	52.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.07	46.33

Author	Site	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.09	47.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.10	44.87
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.14	45.76
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.18	52.22
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.19	51.17
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.19	51.45
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.18	51.19
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.18	50.33
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.27	52.88
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.31	54.73
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.28	54.70
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.24	54.85
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.20	54.24
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.17	53.09
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.13	52.67
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.15	52.75
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.17	53.76
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	150-200	0.18	52.41
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	200-250	0.09	56.20
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	200-250	0.10	55.80
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	200-250	0.11	55.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.08	54.02
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.08	53.48
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.11	52.62
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.09	53.24
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.08	55.03
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.05	55.03
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.06	55.55
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.06	54.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.09	53.43
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.12	51.70
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.13	52.06
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.16	51.79
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.13	52.81
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.11	50.77
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.12	53.74
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.13	53.20
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.13	53.94
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.13	53.87
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.12	53.29
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.14	49.89
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.14	49.82

Author	Site	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.15	50.29
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.13	50.48
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.12	50.45
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.24	53.79
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.28	54.69
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.23	53.16
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.16	53.16
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.15	52.06
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.19	52.75
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.18	52.66
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.19	51.93
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.16	52.12
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.17	52.03
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	200-250	0.04	54.17
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	250-300	0.10	55.70
Page et al 2004	Sebangau NP	Central Kalimantan	Forest	250-300	0.08	55.90
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.08	52.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.08	53.40
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.07	52.75
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.09	53.98
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.06	54.02
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.05	56.08
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.05	54.98
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.03	53.29
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.03	52.68
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.07	55.30
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.12	51.22
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	50.30
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.15	50.54
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	50.35
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	53.78
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	53.85
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	53.56
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.12	53.46
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	53.96
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.16	50.44
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.20	49.24
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.16	52.51
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.12	51.09
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.10	50.79
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	51.15
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.13	52.66

Author	Site	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.14	52.19
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.14	51.85
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.15	51.59
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.17	51.38
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.19	51.50
Anshari (unpublished)	Lake Siawan	West Kalimantan	Forest	250-300	0.21	52.05
Cameron et al 1989	Jambi	Batang Hari River	Forest	50-100	0.08	43.90
Cameron et al 1989	Jambi	Batang Hari River	Forest	100-150	0.08	54.40
Cameron et al 1989	Jambi	Batang Hari River	Forest	100-150	0.08	61.90
Cameron et al 1989	Jambi	Batang Hari River	Forest	150-200	0.08	60.30

Table S2. Bulk density (BD) and total organic carbon (TOC) in the drained peat forests

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Wakhid et al. 2017	Central Kalimantan	Rubber	0-50	0.20	53.30
Wakhid et al 2017	Central Kalimantan	Rubber	0-50	0.23	51.70
Wakhid et al 2017	Central Kalimantan	Rubber	0-50	0.23	54.00
Wakhid et al. 2017	Central Kalimantan	Rubber	0-50	0.24	30.50
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.33	40.82
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	54.30
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.16	57.62
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	55.44
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.39	23.13
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.23	45.48
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.20	53.01
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	53.72
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.05	55.71
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	55.06
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.15	54.68
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	52.78
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.04	57.45
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.07	55.64
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.08	57.58
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	51.34
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.14	55.09
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.15	56.04
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.17	55.62
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.15	56.18
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	53.31
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	53.54
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	51.28
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.20	54.57
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.21	35.54
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	57.62
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.06	55.01
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.08	57.03
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.40	21.59
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.25	35.62
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.36	20.25
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	54.21
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.07	54.42
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	54.20
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.06	56.45
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.06	55.69

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.03	56.96
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.06	58.75
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	55.33
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.19	38.21
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.06	54.46
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	57.54
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	57.59
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.22	46.76
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	56.20
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	54.79
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	55.58
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.08	54.66
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.16	49.00
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.14	55.02
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	53.40
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	52.67
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.20	39.06
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.19	45.38
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.15	50.45
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	51.20
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	55.14
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	52.11
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	59.69
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	50.78
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	45.20
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	49.45
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	52.59
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.14	54.57
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.22	58.33
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.15	51.72
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.14	50.81
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.17	51.52
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	48.78
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.14	45.88
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.15	46.70
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	55.44
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.17	36.03
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.12	56.82
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	53.44
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	53.32
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.21	34.36
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.25	32.37

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.26	36.89
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.20	33.40
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	45.79
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	51.20
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.08	51.67
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	52.06
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	44.87
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.07	54.49
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	48.75
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.09	49.01
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.07	54.29
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.08	57.36
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.13	54.56
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.07	49.96
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	49.43
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	49.73
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.11	49.56
Anshari et al (Under Review)	West Kalimantan	Various uses	0-50	0.10	54.67
Wakhid et al 2017	Central Kalimantan	Rubber	50-100	0.25	33.00
Wakhid et al 2017	Central Kalimantan	Rubber	50-100	0.24	34.00
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.14	59.41
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	59.14
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	57.03
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.27	32.98
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.41	15.22
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.12	54.88
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.05	54.30
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	57.34
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	54.42
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	55.98
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	57.69
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	55.13
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.13	43.28
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	59.06
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	59.82
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	58.72
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.21	42.79
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	56.49
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	56.09
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	57.72
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	52.88
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	56.60

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.12	55.98
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	57.86
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.26	32.27
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	55.15
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	57.94
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.11	57.08
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	56.21
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	58.66
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	60.86
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.03	57.78
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	59.98
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	57.77
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.11	54.97
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.18	43.73
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	56.86
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.14	59.09
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.11	56.96
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	57.96
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	53.31
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.13	55.32
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	53.92
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.24	35.83
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	50.13
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	50.60
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	49.60
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.11	51.84
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	54.92
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	49.56
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	51.91
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	54.47
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.34	24.18
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.13	57.48
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	54.42
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	52.20
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.25	33.12
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	49.63
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	51.08
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	50.75
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.05	56.49
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	54.44
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	56.57
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.11	53.47

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.21	34.61
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	49.61
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	52.04
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	52.50
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	52.97
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	50.76
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	51.66
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	54.83
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	57.75
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.09	54.15
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.10	39.48
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.24	32.03
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.12	50.09
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.08	52.58
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.06	50.64
Anshari et al (Under Review)	West Kalimantan	Various uses	50-100	0.07	55.41
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	56.98
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.11	56.82
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	56.94
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	56.43
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	60.58
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	55.36
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	58.15
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.11	57.35
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.24	26.75
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.19	34.90
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	58.07
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.10	59.82
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	58.05
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	55.40
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	58.20
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	54.00
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.12	60.02
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.51	15.00
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	59.60
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	59.16
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.12	56.41
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	54.95
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	60.27
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.05	55.66
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	58.90
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	54.89

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.10	55.50
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.10	55.72
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	59.87
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.11	56.11
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	58.99
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.21	38.41
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.05	56.66
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	56.09
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.10	53.56
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	54.29
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	59.35
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.11	49.31
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	53.32
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	59.49
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	55.55
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	50.18
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	49.97
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	52.95
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	57.74
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	53.25
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.22	30.83
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.23	27.53
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.13	50.28
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.11	50.85
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.09	51.15
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	53.81
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	52.50
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	54.65
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.13	62.94
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.21	33.67
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.05	55.35
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	54.49
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.10	58.16
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	50.26
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	49.63
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	52.51
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	56.88
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	56.32
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.06	49.73
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.04	51.27
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.07	50.68
Anshari et al (Under Review)	West Kalimantan	Various uses	100-150	0.08	56.44

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	57.57
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	54.10
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	57.81
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	60.60
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.05	55.36
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	57.47
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	57.79
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	58.25
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	56.50
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	56.15
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	58.04
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	55.96
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.11	57.40
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.05	58.93
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.11	58.03
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.11	57.37
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.11	59.60
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	56.89
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	55.24
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.06	57.19
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	57.04
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.05	57.03
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	55.42
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	57.29
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	56.05
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	54.96
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	57.54
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.06	58.33
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.14	46.51
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	52.66
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	54.92
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.13	56.91
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	57.20
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	52.95
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	59.05
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.06	49.30
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	50.08
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	50.30
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	57.08
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	58.69
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	50.04
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	51.85

Author	Location	Land Use	Depth (cm)	BD (g cm ⁻³)	TOC (%)
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	50.41
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.15	47.63
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	52.84
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.09	54.09
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.13	54.77
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.04	53.84
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.07	56.14
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.10	50.22
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.12	47.16
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	52.03
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	57.62
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.06	48.48
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.11	50.32
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	51.71
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.08	50.59
Anshari et al (Under Review)	West Kalimantan	Various uses	150-200	0.15	56.83

Table S3. Total and heterotrophic CO₂ emissions from different land use systems of peatland in Indonesia

Land use	Mean ground water table (cm)	C emission (Mg CO _{2e} ha ⁻¹ yr ⁻¹)		Method	Source
		Total	Heterotrophic		
Forest	-4.7 ± 0.9	47.3 ± 1.1	26.1 ± 1.5	Closed chamber	[107]
Rubber	-37		42.6	Trenching, closed chamber	[71]
Ginger	-22	34.4		Closed chamber	[71]
Community oil palm	-36		35.9	Trenching, closed chamber	[71]
Community Oil palm	-39	44		Closed chamber	[95]
Peat Swamp forest	-9	54		Closed chamber	[95]
Community oil palm	-40	121		Subsidence (4.7 cm yr ⁻¹)	[72]
Degraded peat forest	-40	40		Subsidence (1.8 cm yr ⁻¹)	[72]
Rubber agroforest	-40	79		Subsidence (2.7 cm yr ⁻¹)	[72]
Forest	-50 to 30	43.4 ± 2.1	20.8 ± 1.3	Closed chamber	[108]
Forest	- 2.3 ± 3.5	31.5 ± 3.5		Closed chamber	[109]
Forest	- 167.9 ± 6.5	134.9 ± 20.1		Closed chamber	[109]
Forest	- 23.1 ± 6.3	45.2 ± 3.1		Closed chamber	[110]
Oil Palm	-25.8 ± 1.5	42.9 ± 1.5	35.2 ± 2.9	Closed chamber	[107]
Oil Palm	-44.7 ± 1.8	50.6 ± 1.1	30.8 ± 1.1	Closed chamber	[107]
Oil Palm	-89 to -23	37.8 ± 19.5		Closed chamber	[61]
Oil Palm	-89 to -24	21.7 ± 9.5		Closed chamber	[61]
Oil Palm	-89 to -25		25.2 ± 7.7	Closed chamber	[61]
Oil Palm	-17 to 19	34.0 ± 22.4	32.7 ± 17.5	Closed chamber	[111]
Oil Palm	- 13.7 ± 3.8	47.3 ± 6.1		Closed chamber	[109]
Oil Palm	- 227.3 ± 9.0	93.7 ± 12.3		Closed chamber	[109]
Oil Palm	- 49.9 ± 6.3	61.5 ± 4.8		Closed chamber	[110]
Rubber	-69	120.9 ± 38.1	51.7 ± 7.9	Closed chamber	[56]
Shrubs	-50 to 30	52.4 ± 4.1		Closed chamber	[108]
Oil Palm	-34.52 ± 1.81	67.85 ± 4.99		Closed chamber	[112]
Oil Palm	-35.49 ± 2.17	61.60 ± 5.1		Closed chamber	[112]
Secondary peat forest	-60 to -80	14.19 ± 1.09	11.12 ± 0.93	Closed chamber	[113]
Undrained former timber concession	-30 to 20		28	Closed chamber	[114]
Oil palm	-60		43	Closed chamber and subsidence	[6]
All drained peatlands	N/A		30-92	Subsidence (2-6 cm yr ⁻¹)	This study