

Supplementary Materials

Table S1. Distribution profile of *sunggau* bee farmers respondent.

Criteria of Profiles	Number of Respondent
Village	
Perpat	11
Tanjung Rusa	14
Kembiri	12
Main economic activities	
Agriculture	29
Formal employment	7
Laborer	1
Fisherman	1
Source of <i>sunggau</i> knowledge	
Father	28
Other bee farmers	3
Both: father and other bee farmers	7

Table S2. Data source for the vegetation analysis in three type of forests in Perpat, Kembiri, Tanjung Rusa in Belitung Island and Kampak Island.

Forest Types	Village	Data Source
Heath forest	Perpat	[1]
	Tanjung Rusa in Belitung Island	[2]
	Tanjung Rusa in Kampak Island	
Swamp heath forest	Perpat	current study
	Kembiri	[1]
	Tanjung Rusa in Belitung Island	[2]
Mangrove forest	Perpat	current study
	Kembiri	current study
	Tanjung Rusa in Kampak Island	[2]

Table S3. Distribution of *sunggau* types (village, coordinate) and plant species used for *sunggau* in three types of forest. SG = *sunggau*, Per = Perpat, Kem = Kembiri, TR-Bel = Tanjung Rusa - Belitung Island, TR-Kam = Tanjung Rusa - Kampak Island, HF = heath forest, SHF = swamp heath forest, MF = mangrove forest.

No	Code of <i>sunggau</i>	Village	Coordinates	Type of Forest	Types of <i>sunggau</i>	Plank			Front poles			Back poles		
						Family	Scientific name	Local name	Family	Scientific name	Local name	Family	Scientific name	Local name
1	SG_Kem_14	Kem	3°03'28.8"S 107°49'45.0"E	SHF	<i>Ungad</i>	Phyllanthaceae	<i>Aporosa frutescens</i>	<i>Pelangas</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Cingkang</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Cingkang</i>
2	SG_Kem_1	Kem	3°4' 3.8" S 107°48' 42.6" E	SHF	<i>Tunggak Muke</i>	Phyllanthaceae	<i>Aporosa frutescens</i>	<i>Pelangas</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Cingkang</i>
3	SG_Kem_8	Kem	3°3' 38.5" S 107°50' 0.4" E	SHF	<i>Bantaian</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>
4	SG_Kem_18	Kem	3°03'27.1" S 107°49'42.9" E	SHF	<i>Ungad</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Dilleniaceae, Myrtaceae	<i>Dillenia suffruticosa</i> , <i>Melaleuca cajuputi</i>	<i>Simpur, Gelam</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>
5	SG_Kem_19	Kem	3°03'26.8"S 107°49'42.1"E	SHF	<i>Ungad</i>	Calophyllaceae	<i>Calophyllum soulattri</i>	<i>Malong</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>	Melastomaceae, Dilleniaceae	<i>Melastoma malabathricum</i> , <i>Dillenia suffruticosa</i>	<i>Keletakan</i> , <i>Simpur</i>
6	SG_Kem_16	Kem	3°03'30.8"S 107°49'42.4"E	SHF	<i>Ungad</i>	Myrtaceae	<i>Syzygium palembanicum</i>	<i>Melukan</i>	Arecaceae, Dilleniaceae	<i>Daemonorops angustifolia</i> , <i>Dillenia suffruticosa</i>	<i>Rotan</i> , <i>Simpur</i>	Vitaceae	<i>Leea aculeata</i>	<i>Malih</i>
7	SG_Kem_17	Kem	3°03'29.2"S 107°49'41.8"E	SHF	<i>Bantaian</i>	Myrtaceae	<i>Syzygium palembanicum</i>	<i>Melukan</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>	Clusiaceae	<i>Garcinia bancana</i>	<i>Melak</i>
8	SG_Kem_20	Kem	3°03'28.1"S 107°49'44.3"E	SHF	<i>Bantaian</i>	Clusiaceae	<i>Garcinia bancana</i>	<i>Melak</i>	Proteaceae	<i>Helicia robusta</i>	<i>Mengkikir</i>	Clusiaceae	<i>Garcinia bancana</i>	<i>Melak</i>
9	SG_Kem_4	Kem	3°3' 26.1" S 107°49' 44.9" E	SHF	<i>Ungad</i>	Phyllanthaceae	<i>Aporosa frutescens</i>	<i>Pelangas</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>	Aquifoliaceae, Myrtaceae	<i>Ilex cymosa</i> , <i>Rhodamnia cinerea</i>	<i>Mensirak</i> , <i>Jemang</i>
10	SG_Kem_5	Kem	3°3' 26.1" S 107°49' 45.1" E	SHF	<i>Ungad</i>	Anacardiaceae	<i>Buchanania arborescens</i>	<i>Pao</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Cingkang</i>	Lecythidaceae	<i>Barringtonia reticulata</i>	<i>Putat</i>
11	SG_Kem_12	Kem	3°3' 32.2" S 107°49' 52.2" E	SHF	<i>Ungad</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>	Rutaceae	<i>Melicope denhamii</i>	<i>Sengulang</i>
12	SG_Kem_7	Kem	3°03'25.6"S 107°49'45.5" E	SHF	<i>Ungad</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>
13	SG_Kem_11	Kem	3°3' 43.3" S 107°50' 13.0" E	SHF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>
14	SG_Kem_13	Kem	3°03'43.0"S 107°50'10.9"E	SHF	<i>Tunggak Muke</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>
15	SG_Kem_3	Kem	3°3' 25.8" S 107°49' 42.2" E	SHF	<i>Ungad</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur</i>
16	SG_Kem_15	Kem	3°03'28.8"S 107°49'45.0"E	SHF	<i>Tunggak muke</i>	Aquifoliaceae	<i>Ilex cymosa</i>	<i>Mensirak</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Cingkang</i>	Dilleniaceae, Hypericaceae	<i>Dillenia suffruticosa</i> , <i>Cratoxylum glaucum</i>	<i>Simpur</i> , <i>Gerunggang</i>
17	SG_Kem_6	Kem	3°3' 38.2" S 107°49' 57.7" E	SHF	<i>Ungad</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Soil	<i>Soil</i>	<i>Soil</i>
18	SG_Kem_10	Kem	3°3' 48.7" S 107°50' 20.6" E	MF	<i>Ungad</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
19	SG_Kem_9	Kem	3°3' 49.1" S 107°50' 21.5" E	MF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Primulaceae	<i>Ardisia haseltii</i>	<i>Ubi-ubi</i>
20	SG_Per_10	Per	3°2' 50.1" S 107°40' 44.9" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum sp.</i>	<i>Betor</i>	Calophyllaceae	<i>Calophyllum sp.</i>	<i>Betor</i>	Calophyllaceae	<i>Calophyllum sp.</i>	<i>Betor</i>

21	SG_Per_11	Per	3°2' 51.7" S 107°40' 46.0" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>
22	SG_Per_55	Per	3°04'20.2" S 107°40'33.4" E	SHF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>
23	SG_Per_23	Per	3°05'57.7" S 107°36'56.2" E	SHF	<i>Bantaian</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
24	SG_Per_24	Per	3°05'57.7" S 107°36'57.9" E	SHF	<i>Bantaian</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
25	SG_Per_32	Per	3°05'46.6" S 107°36'40.9" E	SHF	<i>Bantaian</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
26	SG_Per_34	Per	3°5' 49.7" S 107°36' 45.4" E	SHF	<i>Tunggak Muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
27	SG_Per_35	Per	3°05'49.6" S 107°36'45.0" E	SHF	<i>Tunggak Muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
28	SG_Per_50	Per	3°6' 22.9" S 107°36' 57.3" E	MF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
29	SG_Per_31	Per	3°5' 46.9" S 107°36' 41.1" E	SHF	<i>Tunggak Muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>
30	SG_Per_29	Per	3°05'47.9" S 107°36'41.0" E	SHF	<i>Bantaian</i>	Pentaphylantaceae	<i>Eurya glabra</i>	<i>Pelempang putih</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>
31	SG_Per_41	Per	3°05'58.2" S 107°36'56.9" E	SHF	<i>Bantaian</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Sapat</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Clusiaceae	<i>Garcinia bancana</i>	<i>Melak</i>
32	SG_Per_38	Per	3°05'54.6" S 107°36'58.1" E	SHF	<i>Bantaian</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Sapat</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Sapat</i>	Clusiaceae	<i>Garcinia bancana</i>	<i>Melak</i>
33	SG_Per_9	Per	3°2' 49.4" S 107°40' 45.0" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
34	SG_Per_26	Per	3°2' 50.2" S 107°40' 42.3" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Melaleuca cajuputi</i>	<i>Gelam</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
35	SG_Per_14	Per	3°5' 42.4" S 107°37' 15.1" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
36	SG_Per_25	Per	3°05'56.5" S 107°36'58.4" E	SHF	<i>Bantaian</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
37	SG_Per_27	Per	3°2' 48.2" S 107°40' 44.2" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
38	SG_Per_33	Per	3°05'46.5" S 107°36'40.3" E	SHF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
39	SG_Per_6	Per	3°2' 50.7" S 107°40' 40.7" E	HF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
40	SG_Per_39	Per	3°05'55.0" S 107°36'57.8" E	SHF	<i>Bantaian</i>	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
41	SG_Per_54	Per	3°4' 19.6" S 107°40' 33.8" E	HF	<i>Ungad</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
42	SG_Per_36	Per	3°05'50.3" S 107°36'45.1" E	SHF	<i>Tunggak Muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
43	SG_Per_37	Per	3°05'49.6" S 107°36'50.6" E	SHF	<i>Tunggak Muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
44	SG_Per_7	Per	3°2' 50.0" S 107°40' 42.1" E	HF	<i>tunggak muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
45	SG_Per_8	Per	3°2' 48.3" S 107°40' 44.8" E	HF	<i>tunggak muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
46	SG_Per_12	Per	3°2' 53.3" S 107°40' 45.7" E	HF	<i>tunggak muke</i>	Lauraceae	<i>Cryptocarya</i> sp.	<i>Medang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
47	SG_Per_17	Per	3°5' 43.4" S 107°37' 13.8" E	HF	<i>tunggak muke</i>	Lauraceae	<i>Cryptocarya</i> sp.	<i>Medang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
48	SG_Per_18	Per	3°5' 47.0" S 107°37' 14.6" E	HF	<i>tunggak muke</i>	Aquifoliaceae	<i>Ilex cymosa</i>	<i>Mensirak</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>

49	SG_Per_53	Per	3°4' 19.4" S 107°40' 33.8" E	HF	<i>Tunggak Muke</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
50	SG_Per_40	Per	3°05'58.2" S 107°36'57.4" E	SHF	<i>Bantaian</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
51	SG_Per_6	Per	3°02'41.7" S 107°40'37.6" E	HF	<i>Bantaian</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
52	SG_Per_4	Per	3°2' 38.5" S 107°40' 33.9" E	HF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
53	SG_Per_15	Per	3°5' 38.8" S 107°37' 15.5" E	HF	<i>Tunggak Muke</i>	Primulaceae	<i>Ardisia haseltii</i>	<i>Ubi-ubi</i>	Myrtaceae	<i>Syzygium bankense</i>	<i>Sudong pelanduk</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>
54	SG_Per_22	Per	3°05'58.5" S 107°36'51.4" E	SHF	<i>Bantaian</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelapak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
55	SG_Per_16	Per	3°5' 38.8" S 107°37' 14.9" E	HF	<i>tunggak muke</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
56	SG_Per_2	Per	3°02'35.7" S 107°40'39.2" E	HF	<i>Tunggak Muke</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
57	SG_Per_13	Per	3°4' 38.5" S 107°40' 30.7" E	HF	<i>Bantaian</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
58	SG_Per_19	Per	3°06'03.3" S 107°36'58.7" E	SHF	<i>Bantaian</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
59	SG_Per_3	Per	3°2' 34.8" S 107°40' 37.8" E	HF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
60	SG_Per_5	Per	3°02'41.3" S 107°40'34.4" E	HF	<i>Bantaian</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>
61	SG_Per_59	Per	3°06'20.1" S 107°36'56.2" E	MF	<i>Tunggak Muke</i>	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>
62	SG_Per_30	Per	3°05'47.7" S 107°36'42.4" E	SHF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Sapat</i>	Myrtaceae	<i>Syzygium acuminatissima</i>	<i>Sapat</i>
63	SG_Per_1	Per	3°02'35.8" S 107°40'39.2" E	HF	<i>Tunggak Muke</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Samak</i>	Myrtaceae	<i>Tristaniaopsis obovata</i>	<i>Pelawan</i>	Myrtaceae	<i>Syzygium bankense</i>	<i>Sudong pelanduk</i>
64	SG_Per_28	Per	3°2' 53.7" S 107°40' 43.5" E	HF	<i>tunggak muke</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	Myrtaceae	<i>Syzygium bankense</i>	<i>Sudong pelanduk</i>
65	SG_Per_44	Per	3°6' 18.0" S 107°36' 52.9" E	MF	<i>Ungad</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Myrtaceae	<i>Syzygium urceolatum</i>	<i>Gelam</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
66	SG_Per_56	Per	3°06'22.6" S 107°36'53.1" E	MF	<i>Tunggak Muke</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
67	SG_Per_46	Per	3°6' 19.0" S 107°36' 53.0" E	MF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum sp.</i>	<i>Betor</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
68	SG_Per_52	Per	3°6' 19.8" S 107°36' 56.4" E	MF	<i>Tunggak Muke</i>	Calophyllaceae	<i>Calophyllum sp.</i>	<i>Betor</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
69	SG_Per_51	Per	3°6' 20.5" S 107°36' 56.8" E	MF	<i>Tunggak Muke</i>	Lauraceae	<i>Cryptocarya sp.</i>	<i>Medang</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
70	SG_Per_43	Per	3°6' 18.2" S 107°36' 52.4" E	MF	<i>Ungad</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
71	SG_Per_45	Per	3°6' 17.9" S 107°36' 52.8" E	MF	<i>Tunggak Muke</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
72	SG_Per_47	Per	3°06'22.4" S 107°36'52.5" E	MF	<i>Bantaian</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
73	SG_Per_48	Per	3°6' 22.6" S 107°36' 52.3" E	MF	<i>Ungad</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
74	SG_Per_49	Per	3°6' 22.8" S 107°36' 52.8" E	MF	<i>Ungad</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
75	SG_Per_57	Per	3°06'22.3" S 107°36'53.3" E	MF	<i>Bantaian</i>	Podocarpaceae	<i>Podocarpus neriifolius</i>	<i>Punyok</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>
76	SG_Per_58	Per	3°06'22.6" S 107°36'52.0" E	MF	<i>Bantaian</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum</i>

77	SG_TR-Bel_7	TR-Bel	3°8' 24.0" S 107°48' 30.6" E	HF	Bersilang	Phyllanthaceae	Aporosa frutescens	Pelangas	Dipterocarpaceae	Hopea bilitonensis	Pelepak	-	-	-
78	SG_TR-Bel_11	TR-Bel	3°8' 26.2" S 107°48' 24.8" E	HF	Ungad	Aquifoliaceae	Ilex cymosa	Mensirak	Calophyllaceae	Calophyllum sp.	Betor	Calophyllaceae	Calophyllum sp.	Betor
79	SG_TR-Bel_2	TR-Bel	3°8' 0.2" S 107°49' 28.8" E	HF	Bantaian	Myrtaceae	Syzygium bank- ense	Sudong pelandok	Myrtaceae	Syzygium urceo- latum	Samak	Calophyllaceae	Calophyllum sp.	Betor
80	SG_TR-Bel_4	TR-Bel	3°8' 25.7" S 107°48' 27.8" E	HF	Tunggak Muke	Lauraceae	Cryptocarya sp.	Medang	Araliaceae	Arthrophyllum javanicum	Juluk antu	Araliaceae	Arthrophyllum javanicum	Juluk antu
81	SG_TR-Bel_10	TR-Bel	3°08'24.1"S 107°48'29.1"E	HF	Bantaian	Proteacea	Helicia robusta	Mengkikir	Phyllanthaceae	Aporosa fruescens	Pelangas	Phyllanthaceae	Aporosa fruescens	Pelangas
82	SG_TR-Bel_5	TR-Bel	3°8' 24.7" S 107°48' 28.7" E	HF	Ungad	Araliaceae	Arthrophyllum javanicum	Juluk Antu	Lauraceae	Cryptocarya sp.	Medang	Dipterocarpaceae	Hopea bilitonensis	Pelepak
83	SG_TR-Bel_8	TR-Bel	3°8' 24.3" S 107°48' 30.7" E	HF	Bantaian	Proteacea	Helicia robusta	Mengkikir	Phyllanthaceae	Aporosa fruescens	Pelangas	Dipterocarpaceae	Hopea bilitonensis	Pelepak
84	SG_TR-Bel_3	TR-Bel	3°8' 24.3" S 107°48' 28.2" E	HF	Ungad	Proteacea	Helicia robusta	Mengkikir	Calophyllaceae	Calophyllum sp.	Betor	Theaceae	Eurya acuminata DC.	Salah
85	SG_TR-Bel_14	TR-Bel	3°8' 52.3" S 107°48' 43.5" E	HF	Ungad	Calophyllaceae	Calophyllum sp.	Betor	Theaceae	Eurya acuminata DC.	Salah	Myrtaceae	Schima walichii	Seruk
86	SG_TR-Bel_1	TR-Bel	3°8' 9.5" S 107°49' 51.5" E	HF	Bantaian	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Syzygium bank- ense	Sudong pelanduk	Myrtaceae	Syzygium bank- ense	Sudong pelan- duk
87	SG_TR-Kam_1	TR-Kam	3°6' 32.7" S 107°50' 23.7" E	HF	Bantaian	Calophyllaceae	Calophyllum sp.	Betor	Myrtaceae	Tristaniopsis obovata	Pelawan	Myrtaceae	Tristaniopsis obovata	Pelawan
88	SG_TR-Kam_2	TR-Kam	3°6' 12.6" S 107°50' 42.4" E	HF	Bantaian	Calophyllaceae	Calophyllum sp.	Betor	Myrtaceae	Baeckea frutescens	Sapu-sapu	Myrtaceae	Tristaniopsis obovata	Pelawan
89	SG_TR-Kam_9	TR-Kam	3°06'40.5"S 107°50'42.6"E	MF	Tunggak Muke	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Rhodamnia cinerea	Jemang	Myrtaceae	Syzygium urceo- latum	Samak
90	SG_TR-Kam_4	TR-Kam	3°6' 11.8" S 107°50' 43.9" E	HF	Tunggak Muke	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Syzygium urceo- latum	Samak
91	SG_TR-Kam_8	TR-Kam	3°06'40.3"S 107°50'42.5"E	MF	Tunggak Muke	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Syzygium urceo- latum	Samak
92	SG_TR-Kam_3	TR-Kam	3°6' 12.1" S 107°50' 43.2" E	HF	Bantaian	Hypericaceae	Cratoxylum glaucum	Gerunggang	Myrtaceae	Melaleuca caju- puti	Gelam	Myrtaceae	Baeckea frutescens	Sapu-sapu
93	SG_TR-Kam_7	TR-Kam	3°6' 21.5" S 107°50' 29.8" E	HF	Bantaian	Hypericaceae	Cratoxylum glaucum	Gerunggang	Myrtaceae	Melaleuca caju- puti	Gelam	Myrtaceae	Baeckea frutescens	Sapu-sapu
94	SG_TR-Kam_5	TR-Kam	3°6' 15.9" S 107°50' 41.1" E	HF	Bantaian	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Baeckea frutescens	Sapu-sapu	Myrtaceae	Baeckea frutescens	Sapu-sapu
95	SG_TR-Kam_6	TR-Kam	3°6' 19.2" S 107°50' 43.8" E	HF	Bantaian	Myrtaceae	Syzygium urceo- latum	Samak	Myrtaceae	Baeckea frutescens	Sapu-sapu	Myrtaceae	Baeckea frutescens	Sapu-sapu

Table S4. Ethnobotanical indices of plant species use for *sunggau*: Number of Uses (NU), Use Report (UR), Cultural Index (CI), Frequency of Citation (FC), Relative Frequency of Citation (RFC).

NO	Species code	Family name	Scientific name	Local name	NU	UR	CI	FC	RFC
1	Ana_1	Anacardiaceae	<i>Buchanania arborescens</i>	<i>Pao</i>	4	16	0.421	9	0.237
2	Ann_1	Annonaceae	<i>Neouvaria acuminatissima</i>	<i>Rarak</i>	1	1	0.026	1	0.026
3	Apo_1	Apocynaceae	<i>Cerbera manghas</i>	<i>Emperuak</i>	1	1	0.026	1	0.026
4	Aqu_1	Aquifoliaceae	<i>Ilex cymosa</i>	<i>Mensirak</i>	4	21	0.553	12	0.316
5	Ara_1	Araliaceae	<i>Arthrophyllum javanicum</i>	<i>Juluk antu</i>	1	1	0.026	1	0.026
6	Are_1	Arecaceae	<i>Calamus caesius</i>	<i>Rotan</i>	1	1	0.026	1	0.026
7	Ast_1	Asteraceae	<i>Vernonia arborea</i>	<i>Mentepong</i>	3	15	0.395	9	0.237
8	Cal_1	Calophyllaceae	<i>Calophyllum</i> sp.	<i>Betor</i>	6	68	1.789	26	0.684
9	Cal_2	Calophyllaceae	<i>Calophyllum lanigerum</i>	<i>Betor belulang</i>	4	11	0.289	4	0.105
10	Cal_3	Calophyllaceae	<i>Calophyllum soulattri</i>	<i>Betor berubuk</i>	2	2	0.053	1	0.026
11	Cal_4	Calophyllaceae	<i>Calophyllum pulcherrimum</i>	<i>Betor padi</i>	5	15	0.395	7	0.184
12	Cal_5	Calophyllaceae	<i>Calophyllum soulattri</i>	<i>Malong</i>	2	4	0.105	2	0.053
13	Clu_1	Clusiaceae	<i>Garcinia bancana</i>	<i>Melak</i>	3	16	0.421	9	0.237
14	Comb_1	Combretaceae	<i>Lumnitzera littorea</i>	<i>Teruntum merah</i>	3	12	0.316	7	0.184
15	Comb_2	Combretaceae	<i>Lumnitzera racemosa</i>	<i>Teruntum putih</i>	2	5	0.132	4	0.105
16	Dil_1	Dilleniaceae	<i>Dillenia suffruticosa</i>	<i>Simpur bini</i>	2	2	0.053	1	0.026
17	Dip_1	Dipterocarpaceae	<i>Shorea balangeran</i>	<i>Belangeran</i>	3	11	0.289	6	0.158
18	Dip_2	Dipterocarpaceae	<i>Hopea bilitonensis</i>	<i>Pelepak</i>	5	13	0.342	6	0.158
19	Eri_1	Ericaceae	<i>Styphelia malayana</i>	<i>Alu-alu</i>	3	3	0.079	1	0.026
20	Eup_1	Euphorbiaceae	<i>Mallotus barbatus</i>	<i>Balik angin</i>	3	3	0.079	1	0.026
21	Eup_2	Euphorbiaceae	<i>Excoecaria agallocha</i>	<i>Butak</i>	2	5	0.132	4	0.105
22	Fab_1	Fabaceae	<i>Spatholobus ferrugineus</i>	<i>Berebat</i>	2	2	0.053	1	0.026
23	Fab_2	Fabaceae	<i>Adenanthera pavonina</i>	<i>Saga</i>	2	2	0.053	1	0.026
24	Fag_1	Fagaceae	<i>Lithocarpus</i> sp.	<i>Berangan</i>	2	5	0.132	3	0.079
25	Fag_2	Fagaceae	<i>Lithocarpus blumeanus</i>	<i>Kabal</i>	2	2	0.053	1	0.026
26	Hyp_1	Hypericaceae	<i>Cratoxylum glaucum</i>	<i>Gerunggang</i>	4	19	0.500	10	0.263
27	Lam_1	Lamiaceae	<i>Vitex pubescens</i>	<i>Tuek</i>	1	1	0.026	1	0.026
28	Lau_1	Lauraceae	<i>Cryptocarya</i> sp.	<i>Medang</i>	4	35	0.921	17	0.447
29	Lau_2	Lauraceae	<i>Cryptocarya densiflora</i>	<i>Medang Beliling</i>	2	12	0.316	11	0.289
30	Lau_3	Lauraceae	<i>Lindera lucida</i>	<i>Medang miang</i>	2	16	0.421	11	0.289
31	Lau_4	Lauraceae	<i>Litsea accedens</i>	<i>Medang Perawas</i>	2	5	0.132	3	0.079
32	Lec_1	Lecythidaceae	<i>Barringtonia reticulata</i>	<i>Putat</i>	2	2	0.053	1	0.026
33	Mal_1	Malvaceae	<i>Hibiscus tiliaceus</i>	<i>Barok</i>	1	4	0.105	4	0.105
34	Mal_2	Malvaceae	<i>Commersonia bartramia</i>	<i>Mentenuk</i>	2	2	0.053	1	0.026
35	Mal_3	Malvaceae	<i>Pterospermum javanicum</i>	<i>Nyire</i>	2	2	0.053	1	0.026
36	Mels_1	Melastomataceae	<i>Melastoma malabathricum</i>	<i>Keletak'en</i>	1	1	0.026	1	0.026

37	Mor_1	Moraceae	<i>Ficus sundaica</i>	Jawi	1	1	0.026	1	0.026
38	Myrt_1	Myrtaceae	<i>Syzygium</i> cf. <i>Calophyllifolium</i>	Arang-arang	4	6	0.158	3	0.079
39	Myrt_2	Myrtaceae	<i>Eugenia foxworthiana</i>	Asau	3	3	0.079	1	0.026
40	Myrt_03	Myrtaceae	<i>Syzygium</i> <i>acuminatissima</i>	Cingkang	2	3	0.079	2	0.053
41	Myrt_04	Myrtaceae	<i>Melaleuca cajuputi</i>	Gelam	4	35	0.921	16	0.421
42	Myrt_05	Myrtaceae	<i>Rhodamnia cinerea</i>	Jemang	3	9	0.237	5	0.132
43	Myrt_06	Myrtaceae	<i>Syzygium racemosum</i>	Mantuy	3	7	0.184	4	0.105
44	Myrt_07	Myrtaceae	<i>Syzygium zeylanicum</i>	Nasi-nasi	2	2	0.053	1	0.026
45	Myrt_08	Myrtaceae	<i>Tristaniaopsis obovata</i>	Pelawan	5	20	0.526	9	0.237
46	Myrt_09	Myrtaceae	<i>Syzygium urceolatum</i>	Samak	6	60	1.579	28	0.737
47	Myrt_10	Myrtaceae	<i>Syzygium</i> <i>acuminatissima</i>	Sapat	4	5	0.132	2	0.053
48	Myrt_11	Myrtaceae	<i>Baeckea frutescens</i>	Sapu-sapu	4	8	0.211	4	0.105
49	Myrt_12	Myrtaceae	<i>Leptospermum</i> <i>polygalifolium</i>	Sekuncong	3	3	0.079	1	0.026
50	Myrt_13	Myrtaceae	<i>Syzygium rostratum</i>	Sicel	2	2	0.053	1	0.026
51	Myrt_14	Myrtaceae	<i>Syzygium bankense</i>	Sudong pelanduk	3	4	0.105	2	0.053
52	Myrt_15	Myrtaceae	<i>Syzygium muelleri</i>	Ubar	1	2	0.053	2	0.053
53	Mys_1	Myristicaceae	<i>Knea cinerea</i>	Naran	2	2	0.053	1	0.026
54	Phyl_1	Phyllanthaceae	<i>Aporosa frutescens</i>	Pelangas	2	23	0.605	19	0.500
55	Pod_1	Podocarpaceae	<i>Podocarpus neriifolius</i>	Punyuk	2	4	0.105	3	0.079
56	Prim_1	Primulaceae	<i>Ardisia haseltii</i>	Ubi-ubi	2	2	0.053	1	0.026
57	Pro_1	Proteaceae	<i>Helicia robusta</i>	Mengkikir	2	7	0.184	5	0.132
58	Rhi_1	Rhizophoraceae	<i>Bruguiera sexangula</i>	Tumok	2	4	0.105	3	0.079
59	Rub_1	Rubiaceae	<i>Coptosapelta tomentosa</i>	Akar gendai	3	3	0.079	1	0.026
60	Rut_1	Rutaceae	<i>Melicope denhamii</i>	Sengulang	2	4	0.105	3	0.079
61	Sap_1	Sapindaceae	<i>Guioa diplopetala</i>	Pulas	6	27	0.711	16	0.421
62	Sym_1	Symplocaceae	<i>Symplocos adenophylla</i>	Mendiramen	2	2	0.053	1	0.026
63	The_1	Theaceae	<i>Eurya acuminata</i>	Salah	2	2	0.053	1	0.026
64	The_2	Theaceae	<i>Schima wallichii</i>	Seruk	4	19	0.500	9	0.237
65	Thy_1	Thymelaeaceae	<i>Wikstroemia</i> <i>androsaemifolia</i>	Bentak	3	3	0.079	1	0.026

Table S5. (a) The species use for *sunggau* (based on interview and field observation) and (b) species composition (based on vegetation analysis) at the three forest types (HF = Heath forest, SHF = Swamp heath forest, MF = Mangrove forest) in Perpat, Kembiri, and Tanjung Rusa Villages, (a: 1= cited used for sunggau, 0= not cited used for sunggau; b: 1=present, 0=absent).

No	Local name	Species	a. Species used for <i>sunggau</i>								b. Species composition									
			Perpat			Kembiri		Tanjung Rusa - Belitung Island (TR-Bel)		Tanjung Rusa -Kampak Island (TR-Kam)		Perpat			Kembiri		Tanjung Rusa - Belitung Island (TR-Bel)		Tanjung Rusa -Kampak Island (TR-Kam)	
			HF	SHF	MF	SHF	MF	HF	SHF	HF	MF	HF	SHF	MF	SHF	MF	HF	SHF	SHF	MF
1	Akar gendai	<i>Coptosapelta tomentosa</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	Akar lambai	<i>Ampelocissus thyrsoiflora</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	Akar raru / entuben	<i>Derris elliptica</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
4	Akar sp 1	<i>Aeschynanthus cf. horsfieldii</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
5	Akar Sp 2	<i>Oldenlandia biflora</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
6	Akar tengkel	<i>Gnetum cuspidatum</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
7	Akasia	<i>Acacia mangium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
8	Alu-alu	<i>Styphelia malayana</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	1	0
9	Ambong-ambong	<i>Glochidion arborescens</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
10	Anggrek	<i>Bromheadia finlaysoniana</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
11	Api-api	<i>Avicena alba</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	Ara'	<i>Ficus variegata</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
13	Ara sp. (1)	<i>Ficus fulva</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
14	Arang-arang batang	<i>Syzygium cf. Calophyllifolium</i>	1	0	0	0	0	1	0	0	0	1	1	0	1	0	0	0	1	0
15	Arang-arang padang	<i>Eugenia leptantha</i>	1	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0
16	Asau	<i>Syzygium foxworthianum</i>	1	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0
17	Bakau	<i>Bruguiera gymnorhiza</i>	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1
18	Balangeran	<i>Shorea balangeran</i>	1	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	1	0
19	Bansa'	<i>Baccaurea idlexa</i>	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
20	Bentak	<i>Wikstroemia androsaemifolia</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0

21	Berangan dangkal	<i>Elaeocarpus sundaicus</i>	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
22	Berangan duri	<i>Castanopsis costata</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
23	Beras	<i>Urophyllum</i> sp.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
24	Beringin	<i>Ficus benjamina</i>	1	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
25	Betek / Nasi-nasi	<i>Syzygium zeylanicum</i>	1	0	0	0	0	1	0	0	0	1	1	0	1	0	1	0	0
26	Betor belulang	<i>Calophyllum lanigerum</i>	1	0	0	1	0	1	0	1	0	1	1	0	1	0	1	1	0
27	Betor padi	<i>Calophyllum pulcherrimum</i>	1	0	1	1	0	1	0	1	0	1	0	0	1	0	0	0	0
28	Betor rambai	<i>Calophyllum calaba</i>	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0
29	Bunga hoya	<i>Dendrotrophe varians</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
30	Butak	<i>Excoecaria agallocha</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0
31	Dungon laut	<i>Heritiera littoralis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
32	Empenai darat	<i>Barringtonia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
33	Empenai laut	<i>Ardisia lanceolata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
34	Empiai	<i>Acrostichum speciosum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Enceruaian	<i>Urophyllum arboreum</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
36	Enciriten	<i>Salacia grandifolia</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0
37	Engkelingan	<i>Syzygium syzygioides</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
38	Engkurai padang	<i>Eriocaulon willdenovianum</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
39	Entenuk	<i>Commersonia bartramia</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
40	Gading	<i>Memecylon</i> cf. <i>acuminatissimum</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
41	Gelam	<i>Melaleuca cajuputi</i>	1	1	1	1	1	1	1	0	0	0	1	1	1	0	1	0	0
42	Gelam tikus	<i>Eugenia cerina</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
43	Gerunggang	<i>Cratoxylum glaucum</i>	1	1	1	1	0	1	1	1	0	1	1	0	1	0	0	0	0
44	Geruta	<i>Dicranopteris linearis</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
45	Iding-iding	<i>Stenochlaena palustris</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
46	Ijar-ijar	<i>Nephrolepis</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
47	Jemang	<i>Rhodammia cinerea</i>	1	0	1	1	0	0	1	0	1	0	1	0	1	0	1	1	0
48	Kandis bini	<i>Garcinia parvifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0

49	Kandis laki	<i>Garcinia lateriflora</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
50	Karet	<i>Hevea brasiliensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
51	Kayu hijau	<i>Claoxylon longifolium</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
52	Kayu lawang	<i>Eurycoma longifolia</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
53	Kelemunyan	<i>Epipremnum aureum</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
54	Keletakan	<i>Melastoma malabathricum</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1
55	Kelinsut	<i>Syzygium decipiens</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
56	Kelumpang	<i>Sterculia cf. foetida</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
57	Keremunting	<i>Rhodomyrtus tomentosa</i>	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	1	0
58	Kernipong	<i>Albizia procera</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
59	Ketakong	<i>Nepenthes reinwardtiana</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
60	Kiras	<i>Garcinia celebica</i>	0	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	1	0
61	Krikisen	<i>Lhytocarpus bancanus</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
62	Kunyanyanyi	<i>Ficus punctata</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
63	Ladek	<i>Pternandra coerulescens</i>	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0
64	Layak	<i>Gnetum gnemonoides</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
65	Leban	<i>Vitex pinnata</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	0	0
66	Lepang	<i>Alpinia oxymitra</i>	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0
67	Liana	<i>Dentella repens</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
68	Libut	<i>Macaranga hosei</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
69	Malam/Tenam	<i>Psychotria malayana</i>	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0
70	Malih	<i>Leea aculeata</i>	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
71	Malong	<i>Calophyllum soulattri</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
72	Mampat	<i>Cratoxylum formosus</i>	0	0	0	0	0	1	0	0	0	1	0	0	1	0	0	1	0	0
73	Mantaan	<i>Lepisanthes amoena</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0
74	Mantuyan	<i>Syzygium racemosum</i>	0	0	0	1	0	1	0	0	0	1	1	0	1	0	1	0	0	0
75	Medang miang	<i>Lindera lucida</i>	1	0	0	1	0	1	0	0	0	1	0	0	1	0	1	1	0	0
76	Medang perawas	<i>Litsea accedens</i>	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0
77	Melak	<i>Garcinia bancana</i>	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0

78	Melukan	<i>Syzygium palembanicum</i>	1	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0
79	Mengkikir	<i>Helicia robusta</i>	1	0	0	1	0	1	0	0	0	0	1	0	1	0	0	0	1	0
80	Mensirak	<i>Ilex cymosa</i>	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	1	0	0
81	Mentepong	<i>Strobocalyx arborea</i>	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
82	Moel	<i>Diospyros ridleyi</i>	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0
83	Nangsi/Serkik	<i>Planchonella obovata</i>	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0
84	Naran	<i>Knema cinerea</i>	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
85	Sp 1	<i>Pterospermum javanicum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
86	Niramen	<i>Symplocos adenophylla</i>	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
87	Nudong	<i>Antidesma cuspidatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1
88	Nunok	<i>Ficus curtipes</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
89	Nyelak bulat	<i>Scleria</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
90	Nyire	<i>Xylocarpus granatum</i>	0	0	0	1	1	0	0	0	0	0	0	1	0	1	0	0	0	0
91	Pandan laut	<i>Pandanus tectorius</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
92	Pao	<i>Buchanania arborescens</i>	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0
93	Pelangas	<i>Aporosa frutescens</i>	1	0	0	1	0	1	0	0	0	0	0	0	1	0	1	1	0	0
94	Pelawan	<i>Tristanopsis obovata</i>	1	1	0	1	0	1	1	0	0	1	1	0	1	0	1	1	1	0
95	Pelawan kupor	<i>Tristanopsis whiteana</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
96	Pelempang hitam	<i>Adinandra dumosa</i>	1	0	0	0	0	0	0	0	0	1	1	0	1	0	1	0	1	0
97	Pelepak	<i>Hopea bilitonensis</i>	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	0	0
98	Pelepak daun besar	<i>Inocarpus fagifer</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
99	Pelempang putih	<i>Eurya glabra</i>	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
100	Perupok	<i>Lepisanthes alata</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
101	Pulas	<i>Guioa diplopetala</i>	1	0	0	1	0	0	1	0	0	1	1	0	0	0	1	0	0	0
102	Punyok	<i>Podocarpus neriifolius</i>	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1
103	Purang	<i>Macaranga triloba</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
104	Putat	<i>Barringtonia reticulata</i>	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0
105	Rarak	<i>Neouvaria acuminatissima</i>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0
106	Rautan	<i>Calamus caesius</i>	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0

[illegible]

135	Perai	<i>Vaccinium bracteatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
136	Kantung Semar	<i>Nepenthes mirabilis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
137	Jawi	<i>Ficus sundaica</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Kemantut	<i>Microcos tomentosa</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
139	Juluk antu	<i>Arthrophyllum javanicum</i>	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0
140	Salah	<i>Eurya acuminata</i>	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
141	Sawit	<i>Elaeis guineensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
142	Entepong	<i>Vernonia arborea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
143	Sengon	<i>Albicia</i> sp.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
144	Kemiri	<i>Aleurites moluccana</i> .	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
145	Amin Ambong	<i>Gliricidea sepium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
146	Emperuak	<i>Cerbera manghas</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	Ketiau	<i>unidentified</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	Merbau	<i>unidentified</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Balik angin	<i>Mallotus barbatus</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Cingkang	<i>Syzygium acuminatissima</i>	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Kabal	<i>Lithocarpus blumeanus</i>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Medang beliling	<i>Cryptocarya densiflora</i>	1	0	0	1	0	1	0	0	0	1	1	0	1	0	0	0	0	0
153	Teruntum putih	<i>Lumnitzera racemosa</i>	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
154	Tuek	<i>Vitex pubescens</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Serkek	Unidentified	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Sengkelut	<i>Lycopodiella cernua</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
157	Ruas	<i>Pharus lappulaceus</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
158	Sp 5	<i>Psycotria</i> sp.	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
159	Nidipan	<i>Syzygium incarnatum</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
160	Tumu	<i>Rhizophora mucronata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Total species		42	10	9	43	4	24	8	4	4	76	34	8	70	11	32	24	26	16

Table S6. List of plant species for *sunggau* construction which the availability is decreasing based on the information from bee farmer respondents.

Species	Village
<i>Cryptocarya densiflora</i>	Kembiri; Tanjung Rusa-Belitung Island
<i>Cryptocarya</i> sp.	Kembiri; Tanjung Rusa-Belitung Island
<i>Guioa diplopetala</i>	Tanjung Rusa-Belitung Island
<i>Lithocarpus</i> sp.	Perpat
<i>Litsea accedens</i>	Kembiri
<i>Rhodamnia cinerea</i>	Kembiri
<i>Shorea balangeran</i>	Kembiri
<i>Syzygium urceolatum</i>	Tanjung Rusa-Belitung Island
<i>Tristaniaopsis obovata</i>	Tanjung Rusa-Belitung Island
<i>Vitex pubescens</i>	Kembiri

Table S7. The analysis vegetation in three forest types. HF = Heath forest, SHF = Swamp heath forest, MF = Mangrove fores.

Village	Type of forest	Category	Species	Individual	Plot	D	BA	K	KR	F	FR	D	DR	IVI	Pi	LnPi	(Pi)(lnPi)	H'	Average of tree diameter
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Bruguiera gymnorhiza</i>	4	3	-	-	2500.000	2.162	0.750	27.273	-	-	29.435	0.029	-3.548	-0.102		
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Lumnitzera littorea</i>	129	2	-	-	80625.000	69.730	0.500	18.182	-	-	87.912	0.928	-0.075	-0.069		
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Ceriops tagal</i>	1	1	-	-	625.000	0.541	0.250	9.091	-	-	9.631	0.007	-4.934	-0.035		
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Acrostichum speciosum</i>	1	1	-	-	625.000	0.541	0.250	9.091	-	-	9.631	0.007	-4.934	-0.035	0.374	-
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Hibiscus tiliaceus</i>	2	2	-	-	1250.000	1.081	0.500	18.182	-	-	19.263	0.014	-4.241	-0.061		
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Glochidion arborescens</i>	1	1	-	-	625.000	0.541	0.250	9.091	-	-	9.631	0.007	-4.934	-0.035		
Perpat (Per)	Mangrove (MF)	Seedling and herb	<i>Avicena alba</i>	1	1	-	-	625.000	0.541	0.250	9.091	-	-	9.631	0.007	-4.934	-0.035		
Perpat (Per)	Mangrove (MF)	Sapling	<i>Bruguiera sexangula</i>	23	3	-	-	36800.000	50.000	0.120	25.000	-	-	75.000	0.500	-0.693	-0.347		
Perpat (Per)	Mangrove (MF)	Sapling	<i>Lumnitzera littorea</i>	5	4	-	-	8000.000	10.870	0.160	33.333	-	-	44.203	0.109	-2.219	-0.241		
Perpat (Per)	Mangrove (MF)	Sapling	<i>Bruguiera gymnorhiza</i>	4	2	-	-	6400.000	8.696	0.080	16.667	-	-	25.362	0.087	-2.442	-0.212	1.317	-
Perpat (Per)	Mangrove (MF)	Sapling	<i>Podocarpus neriifolius</i>	1	1	-	-	1600.000	2.174	0.040	8.333	-	-	10.507	0.022	-3.829	-0.083		
Perpat (Per)	Mangrove (MF)	Sapling	<i>Avicena alba</i>	1	1	-	-	1600.000	2.174	0.040	8.333	-	-	10.507	0.022	-3.829	-0.083		
Perpat (Per)	Mangrove (MF)	Sapling	<i>Melaleuca cajuputi</i>	12	1	-	-	19200.000	26.087	0.040	8.333	-	-	34.420	0.261	-1.344	-0.351		
Perpat (Per)	Mangrove (MF)	Poles	<i>Bruguiera sexangula</i>	4	3	21.338	0.036	100.000	2.778	0.030	37.500	0.894	0.499	40.278	0.114	-2.169	-0.248		
Perpat (Per)	Mangrove (MF)	Poles	<i>Lumnitzera littorea</i>	18	4	87.898	0.606	450.000	12.500	0.040	50.000	15.162	8.475	62.500	0.514	-0.665	-0.342		
Perpat (Per)	Mangrove (MF)	Poles	<i>Bruguiera gymnorhiza</i>	2	1	11.783	0.011	50.000	1.389	0.010	12.500	0.272	0.152	13.889	0.057	-2.862	-0.164	1.213	-
Perpat (Per)	Mangrove (MF)	Poles	<i>Melaleuca cajuputi</i>	10	2	50.000	0.196	250.000	6.944	0.020	25.000	4.906	2.742	31.944	0.286	-1.253	-0.358		
Perpat (Per)	Mangrove (MF)	Poles	<i>Podocarpus neriifolius</i>	1	1	5.414	0.002	25.000	0.694	0.010	12.500	0.058	0.032	13.194	0.029	-3.555	-0.102		
Perpat (Per)	Mangrove (MF)	tree	<i>Bruguiera gymnorhiza</i>	28	4	340.764	9.115	175.000	25.686	0.010	20.000	56.972	453.595	45.686	0.257	-1.359	-0.349		
Perpat (Per)	Mangrove (MF)	tree	<i>Melaleuca cajuputi</i>	10	2	89.809	0.633	62.500	9.174	0.005	10.000	3.957	31.506	19.174	0.092	-2.389	-0.219		
Perpat (Per)	Mangrove (MF)	tree	<i>Xylocarpus granatum</i>	1	1	31.210	0.076	6.250	0.917	0.003	5.000	0.478	3.805	5.917	0.009	-4.691	-0.043	1.266	245.01
Perpat (Per)	Mangrove (MF)	tree	<i>Podocarpus neriifolius</i>	6	1	70.382	0.389	37.500	5.504	0.003	5.000	2.430	19.350	10.504	0.055	-2.900	-0.160		
Perpat (Per)	Mangrove (MF)	tree	<i>Lumnitzera littorea</i>	58	6	884.395	61.399	362.500	53.207	0.015	30.000	383.744	3055.290	83.207	0.532	-0.631	-0.336		
Perpat (Per)	Mangrove (MF)	tree	<i>Bruguiera sexangula</i>	6	4	53.503	0.225	37.500	5.504	0.010	20.000	1.404	11.182	25.504	0.055	-2.900	-0.160		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Guioa diplopetala</i>	6	2	-	-	3750.000	4.317	0.500	9.524	-	-	13.840	0.043	-3.143	-0.136		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Alpinia oxymitra</i>	96	4	-	-	60000.000	69.065	1.000	19.048	-	-	88.112	0.691	-0.370	-0.256		-
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Wikstroemia androsaemifolia</i>	2	2	-	-	1250.000	1.439	0.500	9.524	-	-	10.963	0.014	-4.241	-0.061		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Urophyllum sp.</i>	2	1	-	-	1250.000	1.439	0.250	4.762	-	-	6.201	0.014	-4.241	-0.061		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium muelleri</i>	6	2	-	-	3750.000	4.317	0.500	9.524	-	-	13.840	0.043	-3.143	-0.136		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Psychotria malayana</i>	5	2	-	-	3125.000	3.597	0.500	9.524	-	-	13.121	0.036	-3.325	-0.120		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Melicope denhamii</i>	1	1	-	-	625.000	0.719	0.250	4.762	-	-	5.481	0.007	-4.934	-0.035	1.260	
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Pternandra coerulescens</i>	3	2	-	-	1875.000	2.158	0.500	9.524	-	-	11.682	0.022	-3.836	-0.083		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Schima wallichii</i>	1	1	-	-	625.000	0.719	0.250	4.762	-	-	5.481	0.007	-4.934	-0.035		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Rhodomyrtus tomentosating</i>	1	1	-	-	625.000	0.719	0.250	4.762	-	-	5.481	0.007	-4.934	-0.035		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Tristaniopsis obovata</i>	1	1	-	-	625.000	0.719	0.250	4.762	-	-	5.481	0.007	-4.934	-0.035		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Eugenia leptantha</i>	14	1	-	-	8750.000	10.072	0.250	4.762	-	-	14.834	0.101	-2.295	-0.231		
Perpat (Per)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium zeylanicum</i>	1	1	-	-	625.000	0.719	0.250	4.762	-	-	5.481	0.007	-4.934	-0.035		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Dillenia suffruticosa</i>	6	3	-	-	600.000	20.000	0.120	20.000	-	-	40.000	0.200	-1.609	-0.322		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Urophyllum sp.</i>	2	1	-	-	200.000	6.667	0.040	6.667	-	-	13.333	0.067	-2.708	-0.181		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Pternandra coerulescens</i>	3	2	-	-	300.000	10.000	0.080	13.333	-	-	23.333	0.100	-2.303	-0.230		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Microcos tomentosa</i>	4	2	-	-	400.000	13.333	0.080	13.333	-	-	26.667	0.133	-2.015	-0.269		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Planchonella obovata</i>	2	2	-	-	200.000	6.667	0.080	13.333	-	-	20.000	0.067	-2.708	-0.181	0.322	-
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Garcinia bancana</i>	2	1	-	-	200.000	6.667	0.040	6.667	-	-	13.333	0.067	-2.708	-0.181		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Calophyllum lanigerum</i>	1	1	-	-	100.000	3.333	0.040	6.667	-	-	10.000	0.033	-3.401	-0.113		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Melicope denhamii</i>	9	2	-	-	900.000	30.000	0.080	13.333	-	-	43.333	0.300	-1.204	-0.361		
Perpat (Per)	Swamp heath forest (SHF)	Sapling	<i>Demonorops angustifolia</i>	1	1	-	-	100.000	3.333	0.040	6.667	-	-	10.000	0.033	-3.401	-0.113		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Eugenia leptantha</i>	1	1	5.096	0.002	25.000	3.030	0.010	6.250	0.051	3.015	12.295	0.030	-3.497	-0.106		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Calophyllum lanigerum</i>	2	2	8.280	0.003	50.000	6.061	0.020	12.500	0.069	4.075	22.636	0.061	-2.803	-0.170	1.970	
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Pternandra coerulescens</i>	3	2	17.516	0.008	75.000	9.091	0.020	12.500	0.201	11.884	33.475	0.091	-2.398	-0.218		

Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Syzygium racemosum</i>	7	2	32.803	0.013	175.000	21.212	0.020	12.500	0.313	18.503	52.215	0.212	-1.551	-0.329		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Cryptocarya densiflora</i>	2	1	7.962	0.003	50.000	6.061	0.010	6.250	0.063	3.734	16.044	0.061	-2.803	-0.170		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Planchonella obovata</i>	3	1	14.013	0.005	75.000	9.091	0.010	6.250	0.132	7.797	23.138	0.091	-2.398	-0.218		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Tristaniopsis obovata</i>	6	3	33.758	0.015	150.000	18.182	0.030	18.750	0.383	22.660	59.592	0.182	-1.705	-0.310		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Syzygium urceolatum</i>	1	1	6.369	0.003	25.000	3.030	0.010	6.250	0.080	4.711	13.991	0.030	-3.497	-0.106		
Perpat (Per)	Swamp heath forest (SHF)	Poles	<i>Dillenia suffruticosa</i>	8	3	39.809	0.016	200.000	24.242	0.030	18.750	0.397	23.497	66.489	0.242	-1.417	-0.344		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Syzygium cf. Calophyllifolium</i>	6	4	103.185	0.160	25.000	9.302	0.010	9.091	1.000	4.417	22.810	0.048	-3.045	-0.145		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Baccaurea idelflexa</i>	1	1	13.694	0.015	6.250	2.326	0.003	2.273	0.092	0.406	5.005	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Shorea balangeran</i>	1	1	25.478	0.051	6.250	2.326	0.003	2.273	0.318	1.407	6.005	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Calophyllum lanigerum</i>	3	2	31.529	0.027	12.500	4.651	0.005	4.545	0.166	0.734	9.931	0.024	-3.738	-0.089		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Melaleuca cajuputi</i>	48	4	1032.166	1.932	25.000	9.302	0.010	9.091	12.075	53.336	71.729	0.381	-0.965	-0.368		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Cratogeomys glaucum</i>	10	3	178.025	0.282	18.750	6.977	0.008	6.818	1.763	7.786	21.581	0.079	-2.534	-0.201		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Rhodamnia cinerea</i>	2	2	19.745	0.015	12.500	4.651	0.005	4.545	0.096	0.424	9.621	0.016	-4.143	-0.066		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Garcinia celebica</i>	10	2	121.019	0.123	12.500	4.651	0.005	4.545	0.769	3.395	12.592	0.079	-2.534	-0.201		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Lhytocrarpus bancanus</i>	4	1	40.764	0.033	6.250	2.326	0.003	2.273	0.207	0.912	5.510	0.032	-3.450	-0.110		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Pternandra coerulescens</i>	1	1	8.280	0.005	6.250	2.326	0.003	2.273	0.034	0.149	4.747	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Syzygium racemosum</i>	1	1	9.554	0.007	6.250	2.326	0.003	2.273	0.045	0.198	4.796	0.008	-4.836	-0.038	2.329	99.47886508
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Garcinia bancana</i>	3	1	53.503	0.081	6.250	2.326	0.003	2.273	0.505	2.232	6.830	0.024	-3.738	-0.089		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Syzygium palembanicum</i>	2	2	55.096	0.124	12.500	4.651	0.005	4.545	0.775	3.424	12.620	0.016	-4.143	-0.066		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Helicia robusta</i>	2	2	50.955	0.120	12.500	4.651	0.005	4.545	0.752	3.322	12.518	0.016	-4.143	-0.066		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Planchonella obovata</i>	1	1	10.510	0.009	6.250	2.326	0.003	2.273	0.054	0.239	4.838	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Melicope denhamii</i>	1	1	8.599	0.006	6.250	2.326	0.003	2.273	0.036	0.160	4.759	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Tristaniopsis obovata</i>	1	1	10.510	0.009	6.250	2.326	0.003	2.273	0.054	0.239	4.838	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Adinandra dumosa</i>	3	2	30.573	0.027	12.500	4.651	0.005	4.545	0.167	0.740	9.936	0.024	-3.738	-0.089		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Syzygium urceolatum</i>	11	4	150.955	0.192	25.000	9.302	0.010	9.091	1.199	5.294	23.687	0.087	-2.438	-0.213		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Syzygium acuminatissima</i>	1	1	15.605	0.019	6.250	2.326	0.003	2.273	0.119	0.528	5.126	0.008	-4.836	-0.038		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Schima wallichii</i>	8	3	171.019	0.355	18.750	6.977	0.008	6.818	2.221	9.809	23.604	0.063	-2.757	-0.175		
Perpat (Per)	Swamp heath forest (SHF)	Tree	<i>Dillenia suffruticosa</i>	6	3	47.771	0.030	18.750	6.977	0.008	6.818	0.189	0.834	14.629	0.048	-3.045	-0.145		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Tristaniopsis obovata</i>	7	4	-	-	1346.154	1.443	0.308	3.922	-	-	5.365	0.014	-4.238	-0.061		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Calophyllum lanigerum</i>	15	5	-	-	2884.615	3.093	0.385	4.902	-	-	7.995	0.031	-3.476	-0.108		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Shorea balangeran</i>	29	4	-	-	5576.923	5.979	0.308	3.922	-	-	9.901	0.060	-2.817	-0.168		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Baeckea frutescens</i>	25	4	-	-	4807.692	5.155	0.308	3.922	-	-	9.076	0.052	-2.965	-0.153		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Coptosapelta tomentosa</i>	33	4	-	-	6346.154	6.804	0.308	3.922	-	-	10.726	0.068	-2.688	-0.183		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Eugenia leptantha</i>	116	4	-	-	22307.692	23.918	0.308	3.922	-	-	27.839	0.239	-1.431	-0.342		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Dendrotrophe varians</i>	5	1	-	-	961.538	1.031	0.077	0.980	-	-	2.011	0.010	-4.575	-0.047		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Bromheadia finlaysoniana</i>	32	3	-	-	6153.846	6.598	0.231	2.941	-	-	9.539	0.066	-2.718	-0.179		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Syzygium bankense</i>	31	5	-	-	5961.538	6.392	0.385	4.902	-	-	11.294	0.064	-2.750	-0.176		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Styphelia malayana</i>	11	2	-	-	2115.385	2.268	0.154	1.961	-	-	4.229	0.023	-3.786	-0.086		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Salacia grandifolia</i>	4	2	-	-	769.231	0.825	0.154	1.961	-	-	2.786	0.008	-4.798	-0.040		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Oldenlandia biflora</i>	12	6	-	-	2307.692	2.474	0.462	5.882	-	-	8.357	0.025	-3.699	-0.092		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Tristaniopsis whiteana</i>	2	1	-	-	384.615	0.412	0.077	0.980	-	-	1.393	0.004	-5.491	-0.023	3.022	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Syzygium muelleri</i>	25	4	-	-	4807.692	5.155	0.308	3.922	-	-	9.076	0.052	-2.965	-0.153		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Syzygium urceolatum</i>	14	2	-	-	2692.308	2.887	0.154	1.961	-	-	4.847	0.029	-3.545	-0.102		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Calophyllum pulcherrimum</i>	29	6	-	-	5576.923	5.979	0.462	5.882	-	-	11.862	0.060	-2.817	-0.168		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Lindera lucida</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Canthium horridum</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Eurycoma longifolia</i>	2	1	-	-	384.615	0.412	0.077	0.980	-	-	1.393	0.004	-5.491	-0.023		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Pternandra coerulescens</i>	3	2	-	-	576.923	0.619	0.154	1.961	-	-	2.579	0.006	-5.086	-0.031		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Scleria sp.</i>	3	2	-	-	576.923	0.619	0.154	1.961	-	-	2.579	0.006	-5.086	-0.031		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Hopea bilitonensis</i>	10	2	-	-	1923.077	2.062	0.154	1.961	-	-	4.023	0.021	-3.882	-0.080		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Inocarpus fagifer</i>	12	1	-	-	2307.692	2.474	0.077	0.980	-	-	3.455	0.025	-3.699	-0.092		
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Ampelocissus thyrsoiflora</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013		

Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Cryptocaria densiflora</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Nepenthes reinwardtiana</i>	5	1	-	-	961.538	1.031	0.077	0.980	-	-	2.011	0.010	-4.575	-0.047	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Eriocaulan willdenocianum</i>	5	1	-	-	961.538	1.031	0.077	0.980	-	-	2.011	0.010	-4.575	-0.047	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Planchonella obovata</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Psychotria malayana</i>	6	2	-	-	1153.846	1.237	0.154	1.961	-	-	3.198	0.012	-4.392	-0.054	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Guioa diplopetala</i>	10	3	-	-	1923.077	2.062	0.231	2.941	-	-	5.003	0.021	-3.882	-0.080	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Bouea macrophylla</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Dentella repens</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Garcinia celebica</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Ardisia haseltii</i>	3	1	-	-	576.923	0.619	0.077	0.980	-	-	1.599	0.006	-5.086	-0.031	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Buchanania arborescens</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Syzygium racemosum</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Diospyros ridleyi</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Rhodamnia cinerea</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Derris elliptica</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Alpinia oxymitra</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Syzygium cf. calophyllifolium</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Psychotria sp.</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Gaertnera sp.</i>	3	1	-	-	576.923	0.619	0.077	0.980	-	-	1.599	0.006	-5.086	-0.031	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Melicope denhamii</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Calophyllum calaba</i>	2	2	-	-	384.615	0.412	0.154	1.961	-	-	2.373	0.004	-5.491	-0.023	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Eurya glabra</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Gnetum cuspidatum</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Schima wallichii</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Pharus lappulaceus</i>	6	1	-	-	1153.846	1.237	0.077	0.980	-	-	2.218	0.012	-4.392	-0.054	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Lycopodiella cernua</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Eurya acuminata</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Neouvaria acuminatissima</i>	1	1	-	-	192.308	0.206	0.077	0.980	-	-	1.187	0.002	-6.184	-0.013	
Perpat (Per)	Heath forest (HF)	Seedling and herb	<i>Calophyllum calaba</i>	2	2	-	-	384.615	0.412	0.154	1.961	-	-	2.373	0.004	-5.491	-0.023	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Tristaniaopsis obovata</i>	72	8	-	-	2215.385	22.291	0.615	9.195	-	-	31.486	0.223	-1.501	-0.335	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Garcinia bancana</i>	7	3	-	-	215.385	2.167	0.231	3.448	-	-	5.615	0.022	-3.832	-0.083	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Calophyllum lanigerum</i>	40	6	-	-	1230.769	12.384	0.462	6.897	-	-	19.280	0.124	-2.089	-0.259	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Cratoxylum glaucum</i>	6	4	-	-	184.615	1.858	0.308	4.598	-	-	6.455	0.019	-3.986	-0.074	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Shorea balangeran</i>	4	2	-	-	123.077	1.238	0.154	2.299	-	-	3.537	0.012	-4.391	-0.054	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Baeckea frutescens</i>	19	4	-	-	584.615	5.882	0.308	4.598	-	-	10.480	0.059	-2.833	-0.167	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Leptospermum polygalifolium</i>	9	2	-	-	276.923	2.786	0.154	2.299	-	-	5.085	0.028	-3.580	-0.100	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Eugenia leptantha</i>	5	1	-	-	153.846	1.548	0.077	1.149	-	-	2.697	0.015	-4.168	-0.065	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Styphelia malayana</i>	5	1	-	-	153.846	1.548	0.077	1.149	-	-	2.697	0.015	-4.168	-0.065	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Tristaniaopsis whiteana</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Syzygium muelleri</i>	11	5	-	-	338.462	3.406	0.385	5.747	-	-	9.153	0.034	-3.380	-0.115	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Syzygium urceolatum</i>	9	6	-	-	276.923	2.786	0.462	6.897	-	-	9.683	0.028	-3.580	-0.100	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Memecylon cf. acuminatissimum</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018	2.982
Perpat (Per)	Heath forest (HF)	Sapling	<i>Gnetum gnemonoides</i>	3	2	-	-	92.308	0.929	0.154	2.299	-	-	3.228	0.009	-4.679	-0.043	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Ficus fulva</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Calophyllum pulcherrimum</i>	14	5	-	-	430.769	4.334	0.385	5.747	-	-	10.081	0.043	-3.139	-0.136	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Lindera lucida</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Canthium horridum</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Eurycoma longifolia</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Pternandra coerulescens</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Hopea blitonensis</i>	30	4	-	-	923.077	9.288	0.308	4.598	-	-	13.886	0.093	-2.376	-0.221	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Inocarpus fagifol</i>	5	1	-	-	153.846	1.548	0.077	1.149	-	-	2.697	0.015	-4.168	-0.065	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Melaleuca cajuputi</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Artocarpus cf. glaucus</i>	4	1	-	-	123.077	1.238	0.077	1.149	-	-	2.388	0.012	-4.391	-0.054	
Perpat (Per)	Heath forest (HF)	Sapling	<i>Planchonella obovata</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031	

Perpat (Per)	Heath forest (HF)	Sapling	<i>Guioa diplopetala</i>	3	1	-	-	92.308	0.929	0.077	1.149	-	-	2.078	0.009	-4.679	-0.043		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Claoxylon longifolium</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Garcinia celebica</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Salacia grandifolia</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Ardisia haseltii</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Buchanania arborescens</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Syzygium racemosum</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Syzygium cf. calophyllifolium</i>	4	1	-	-	123.077	1.238	0.077	1.149	-	-	2.388	0.012	-4.391	-0.054		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Psychotria sp.</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Gaertnera sp.</i>	8	2	-	-	246.154	2.477	0.154	2.299	-	-	4.776	0.025	-3.698	-0.092		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Syzygium incarnatum</i>	2	2	-	-	61.538	0.619	0.154	2.299	-	-	2.918	0.006	-5.085	-0.031		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Syzygium zeylanicum</i>	8	1	-	-	246.154	2.477	0.077	1.149	-	-	3.626	0.025	-3.698	-0.092		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Ilex cymosa</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Eurya glabra</i>	3	2	-	-	92.308	0.929	0.154	2.299	-	-	3.228	0.009	-4.679	-0.043		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Lepisanthes amoena</i>	3	1	-	-	92.308	0.929	0.077	1.149	-	-	2.078	0.009	-4.679	-0.043		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Urophyllum arboreum</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Schima walichii</i>	21	1	-	-	646.154	6.502	0.077	1.149	-	-	7.651	0.065	-2.733	-0.178		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Rhodomyrtus tomentosa</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Aporosa frutescens</i>	1	1	-	-	30.769	0.310	0.077	1.149	-	-	1.459	0.003	-5.778	-0.018		
Perpat (Per)	Heath forest (HF)	Sapling	<i>Neouwaria acuminatissima</i>	2	1	-	-	61.538	0.619	0.077	1.149	-	-	1.769	0.006	-5.085	-0.031		
Perpat (Per)	Heath forest (HF)	Poles	<i>Shorea balangeran</i>	3	3	37.834	0.112	23.077	3.297	0.231	5.000	0.864	1.462	9.759	0.033	-3.412	-0.112		
Perpat (Per)	Heath forest (HF)	Poles	<i>Garcinia bancana</i>	6	4	72.070	0.408	46.154	6.593	0.308	6.667	3.136	5.306	18.566	0.066	-2.719	-0.179		
Perpat (Per)	Heath forest (HF)	Poles	<i>Cratoxylum glaucum</i>	4	4	52.643	0.218	30.769	4.396	0.308	6.667	1.673	2.831	13.893	0.044	-3.125	-0.137		
Perpat (Per)	Heath forest (HF)	Poles	<i>Tristanopsis obovata</i>	5	5	62.293	0.305	38.462	5.495	0.385	8.333	2.343	3.964	17.792	0.055	-2.901	-0.159		
Perpat (Per)	Heath forest (HF)	Poles	<i>Leptospermum polygalifolium</i>	6	3	79.459	0.496	46.154	6.593	0.231	5.000	3.812	6.449	18.043	0.066	-2.719	-0.179		
Perpat (Per)	Heath forest (HF)	Poles	<i>Schima walichii</i>	4	2	56.720	0.253	30.769	4.396	0.154	3.333	1.943	3.286	11.015	0.044	-3.125	-0.137		
Perpat (Per)	Heath forest (HF)	Poles	<i>Syzygium syzygioides</i>	2	2	24.204	0.046	15.385	2.198	0.154	3.333	0.354	0.598	6.130	0.022	-3.818	-0.084		
Perpat (Per)	Heath forest (HF)	Poles	<i>Rhodamnia cinerea</i>	3	3	39.236	0.121	23.077	3.297	0.231	5.000	0.930	1.573	9.869	0.033	-3.412	-0.112		
Perpat (Per)	Heath forest (HF)	Poles	<i>Calophyllum pulcherrimum</i>	10	6	144.299	1.635	76.923	10.989	0.462	10.000	12.573	21.270	42.259	0.110	-2.208	-0.243		
Perpat (Per)	Heath forest (HF)	Poles	<i>Symplocos adenophylla</i>	1	1	14.650	0.017	7.692	1.099	0.077	1.667	0.130	0.219	2.985	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Adinandra dumosa</i>	1	1	10.350	0.008	7.692	1.099	0.077	1.667	0.065	0.109	2.875	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Syzygium muelleri</i>	2	2	16.561	0.022	15.385	2.198	0.154	3.333	0.166	0.280	5.811	0.022	-3.818	-0.084		
Perpat (Per)	Heath forest (HF)	Poles	<i>Syzygium urceolatum</i>	9	4	125.732	1.241	69.231	9.890	0.308	6.667	9.546	16.149	32.705	0.099	-2.314	-0.229		
Perpat (Per)	Heath forest (HF)	Poles	<i>Litsea accedens</i>	2	1	22.134	0.038	15.385	2.198	0.077	1.667	0.296	0.500	4.365	0.022	-3.818	-0.084		
Perpat (Per)	Heath forest (HF)	Poles	<i>Hopea bilitonensis</i>	14	4	171.019	2.296	107.692	15.385	0.308	6.667	17.661	29.877	51.928	0.154	-1.872	-0.288		
Perpat (Per)	Heath forest (HF)	Poles	<i>Claoxylon longifolium</i>	1	1	16.242	0.021	7.692	1.099	0.077	1.667	0.159	0.269	3.035	0.011	-4.511	-0.050	3.003	
Perpat (Per)	Heath forest (HF)	Poles	<i>Inocarpus fagifer</i>	2	1	24.204	0.046	15.385	2.198	0.077	1.667	0.354	0.598	4.463	0.022	-3.818	-0.084		
Perpat (Per)	Heath forest (HF)	Poles	<i>Syzygium cf. calophyllifolium</i>	1	1	13.376	0.014	7.692	1.099	0.077	1.667	0.108	0.183	2.948	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Baeckea frutescens</i>	1	1	11.783	0.011	7.692	1.099	0.077	1.667	0.084	0.142	2.907	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Gaertnera sp.</i>	1	1	10.064	0.008	7.692	1.099	0.077	1.667	0.061	0.103	2.869	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Planchonella obovata</i>	1	1	14.395	0.016	7.692	1.099	0.077	1.667	0.125	0.212	2.977	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Alseodaphne bancana</i>	2	1	22.930	0.041	15.385	2.198	0.077	1.667	0.317	0.537	4.402	0.022	-3.818	-0.084		
Perpat (Per)	Heath forest (HF)	Poles	<i>Cratoxylum formosus</i>	1	1	12.197	0.012	7.692	1.099	0.077	1.667	0.090	0.152	2.918	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Vitex pinnata</i>	3	1	50.955	0.204	23.077	3.297	0.077	1.667	1.568	2.652	7.616	0.033	-3.412	-0.112		
Perpat (Per)	Heath forest (HF)	Poles	<i>Garcinia celebica</i>	1	1	16.083	0.020	7.692	1.099	0.077	1.667	0.156	0.264	3.030	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Canthium horridum</i>	1	1	14.904	0.017	7.692	1.099	0.077	1.667	0.134	0.227	2.992	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Pternandra coerulescens</i>	1	1	12.580	0.012	7.692	1.099	0.077	1.667	0.096	0.162	2.927	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Eurya glabra</i>	1	1	19.108	0.029	7.692	1.099	0.077	1.667	0.220	0.373	3.139	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Ardisia haseltii</i>	1	1	10.350	0.008	7.692	1.099	0.077	1.667	0.065	0.109	2.875	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Poles	<i>Knema cinerea</i>	1	1	11.783	0.011	7.692	1.099	0.077	1.667	0.084	0.142	2.907	0.011	-4.511	-0.050		
Perpat (Per)	Heath forest (HF)	Tree	<i>Shorea balangeran</i>	5	3	131.561	1.359	9.615	6.849	0.231	6.383	2.613	6.260	19.493	0.068	-2.681	-0.184		
Perpat (Per)	Heath forest (HF)	Tree	<i>Cratoxylum glaucum</i>	2	1	55.096	0.238	3.846	2.740	0.077	2.128	0.458	1.098	5.965	0.027	-3.597	-0.099	2.922	72.556
Perpat (Per)	Heath forest (HF)	Tree	<i>Schima walichii</i>	11	3	297.452	6.946	21.154	15.068	0.231	6.383	13.357	32.003	53.454	0.151	-1.893	-0.285		
Perpat (Per)	Heath forest (HF)	Tree	<i>Artocarpus cf. glaucus</i>	4	3	91.815	0.662	7.692	5.479	0.231	6.383	1.273	3.049	14.912	0.055	-2.904	-0.159		

Perpat (Per)	Heath forest (HF)	Tree	<i>Syzygium syzygioides</i>	2	2	60.510	0.287	3.846	2.740	0.154	4.255	0.553	1.324	8.319	0.027	-3.597	-0.099
Perpat (Per)	Heath forest (HF)	Tree	<i>Castanopsis costata</i>	1	1	33.121	0.086	1.923	1.370	0.077	2.128	0.166	0.397	3.894	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Rhodamnia cinerea</i>	1	1	21.975	0.038	1.923	1.370	0.077	2.128	0.073	0.175	3.672	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Lindera lucida</i>	2	2	49.682	0.194	3.846	2.740	0.154	4.255	0.373	0.893	7.888	0.027	-3.597	-0.099
Perpat (Per)	Heath forest (HF)	Tree	<i>Syzygium acuminatissima</i>	3	2	60.318	0.286	5.769	4.110	0.154	4.255	0.549	1.316	9.681	0.041	-3.192	-0.131
Perpat (Per)	Heath forest (HF)	Tree	<i>Calophyllum pulcherrimum</i>	7	5	178.917	2.513	13.462	9.589	0.385	10.638	4.832	11.579	31.806	0.096	-2.345	-0.225
Perpat (Per)	Heath forest (HF)	Tree	<i>Bouea macrophylla</i>	2	2	77.707	0.474	3.846	2.740	0.154	4.255	0.912	2.184	9.179	0.027	-3.597	-0.099
Perpat (Per)	Heath forest (HF)	Tree	<i>Adinandra dumosa</i>	1	1	38.854	0.119	1.923	1.370	0.077	2.128	0.228	0.546	4.044	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Syzygium muelleri</i>	8	3	212.707	3.552	15.385	10.959	0.231	6.383	6.830	16.365	33.707	0.110	-2.211	-0.242
Perpat (Per)	Heath forest (HF)	Tree	<i>Syzygium urceolatum</i>	8	5	213.949	3.593	15.385	10.959	0.385	10.638	6.910	16.557	38.154	0.110	-2.211	-0.242
Perpat (Per)	Heath forest (HF)	Tree	<i>Litsea accedens</i>	1	1	26.752	0.056	1.923	1.370	0.077	2.128	0.108	0.259	3.756	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Hopea bilitonensis</i>	2	1	57.006	0.255	3.846	2.740	0.077	2.128	0.491	1.175	6.043	0.027	-3.597	-0.099
Perpat (Per)	Heath forest (HF)	Tree	<i>Claoxylon longifolium</i>	1	1	23.248	0.042	1.923	1.370	0.077	2.128	0.082	0.195	3.693	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Eugenia cerina</i>	1	1	31.051	0.076	1.923	1.370	0.077	2.128	0.146	0.349	3.846	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Gaertnera sp.</i>	1	1	20.478	0.033	1.923	1.370	0.077	2.128	0.063	0.152	3.649	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Planchonella obovata</i>	1	1	28.344	0.063	1.923	1.370	0.077	2.128	0.121	0.291	3.788	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Cratoxylum formosus</i>	2	1	63.694	0.318	3.846	2.740	0.077	2.128	0.612	1.467	6.335	0.027	-3.597	-0.099
Perpat (Per)	Heath forest (HF)	Tree	<i>Tristaniaopsis whiteana</i>	2	1	54.210	0.231	3.846	2.740	0.077	2.128	0.444	1.063	5.930	0.027	-3.597	-0.099
Perpat (Per)	Heath forest (HF)	Tree	<i>Elaeocarpus sundaicus</i>	1	1	36.624	0.105	1.923	1.370	0.077	2.128	0.202	0.485	3.983	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Diospyros ridleyi</i>	1	1	20.032	0.032	1.923	1.370	0.077	2.128	0.061	0.145	3.643	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Ficus benjamina</i>	1	1	29.000	0.066	1.923	1.370	0.077	2.128	0.127	0.304	3.802	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Eurya glabra</i>	1	1	24.841	0.048	1.923	1.370	0.077	2.128	0.093	0.223	3.721	0.014	-4.290	-0.059
Perpat (Per)	Heath forest (HF)	Tree	<i>Ilex cynosa</i>	1	1	20.064	0.032	1.923	1.370	0.077	2.128	0.061	0.146	3.643	0.014	-4.290	-0.059
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Melaleuca cajuputi</i>	12	5	-	-	480.000	4.819	0.500	7.576	-	-	12.395	0.048	-3.033	-0.146
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Cratoxylum glaucum</i>	4	2	-	-	160.000	1.606	0.200	3.030	-	-	4.637	0.016	-4.131	-0.066
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Calophyllum lanigerum</i>	10	5	-	-	400.000	4.016	0.500	7.576	-	-	11.592	0.040	-3.215	-0.129
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Melicope denhamii</i>	13	5	-	-	520.000	5.221	0.500	7.576	-	-	12.797	0.052	-2.953	-0.154
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Cratoxylum formosus</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Dillenia suffruticosa</i>	38	6	-	-	1520.000	15.261	0.600	9.091	-	-	24.352	0.153	-1.880	-0.287
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Calophyllum soulattri</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Cryptocaria densiflora</i>	1	2	-	-	40.000	0.402	0.200	3.030	-	-	3.432	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Leea aculeata</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium racemosum</i>	14	4	-	-	560.000	5.622	0.400	6.061	-	-	11.683	0.056	-2.878	-0.162
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Lindera lucida</i>	2	2	-	-	80.000	0.803	0.200	3.030	-	-	3.834	0.008	-4.824	-0.039
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Decaspermum parviflorum</i>	3	2	-	-	120.000	1.205	0.200	3.030	-	-	4.235	0.012	-4.419	-0.053
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Diospyros ridleyi</i>	3	1	-	-	120.000	1.205	0.100	1.515	-	-	2.720	0.012	-4.419	-0.053
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Hopea bilitonensis</i>	2	1	-	-	80.000	0.803	0.100	1.515	-	-	2.318	0.008	-4.824	-0.039
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium urceolatum</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Barringtonia reticulata</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Pternandra coerulescens</i>	5	2	-	-	200.000	2.008	0.200	3.030	-	-	5.038	0.020	-3.908	-0.078
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Garcinia parvifolia</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Aporosa frutescens</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Ardisia haseltii</i>	34	1	-	-	1360.000	13.655	0.100	1.515	-	-	15.170	0.137	-1.991	-0.272
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium zeylanicum</i>	42	2	-	-	1680.000	16.867	0.200	3.030	-	-	19.898	0.169	-1.780	-0.300
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Melastoma malabathricum</i>	4	1	-	-	160.000	1.606	0.100	1.515	-	-	3.122	0.016	-4.131	-0.066
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium cf. calophyllifolium</i>	2	2	-	-	80.000	0.803	0.200	3.030	-	-	3.834	0.008	-4.824	-0.039
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Calophyllum pulcherrimum</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Baeckea frutescens</i>	28	1	-	-	1120.000	11.245	0.100	1.515	-	-	12.760	0.112	-2.185	-0.246
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Rhodomyrtus tomentosa</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Sterculia cf. foetida</i>	3	1	-	-	120.000	1.205	0.100	1.515	-	-	2.720	0.012	-4.419	-0.053
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium foxworthianum</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Garcinia lateriflora</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Tristaniaopsis obovata</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium decipiens</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022

Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Macaranga hosei</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022	
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Strobocalyx arborea</i>	2	2	-	-	80.000	0.803	0.200	3.030	-	-	3.834	0.008	-4.824	-0.039	
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Glochidion arborescens</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022	
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Ilex cymosa</i>	10	2	-	-	400.000	4.016	0.200	3.030	-	-	7.046	0.040	-3.215	-0.129	
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Syzygium palembanicum</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022	
Kembiri (Kem)	Swamp heath forest (SHF)	Sapling	<i>Macaranga triloba</i>	1	1	-	-	40.000	0.402	0.100	1.515	-	-	1.917	0.004	-5.517	-0.022	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Melaleuca cajuputi</i>	9	1	-	-	2250.000	2.338	0.100	1.299	-	-	3.636	0.023	-3.756	-0.088	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Calophyllum lanigerum</i>	5	3	-	-	1250.000	1.299	0.300	3.896	-	-	5.195	0.013	-4.344	-0.056	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Melicope denhamii</i>	2	1	-	-	500.000	0.519	0.100	1.299	-	-	1.818	0.005	-5.260	-0.027	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Cratogeomys formosus</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Dillenia suffruticosa</i>	22	5	-	-	5500.000	5.714	0.500	6.494	-	-	12.208	0.057	-2.862	-0.164	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Cryptocaria densiflora</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Eugenia leptantha</i>	36	3	-	-	9000.000	9.351	0.300	3.896	-	-	13.247	0.094	-2.370	-0.222	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Claoxylon longifolium</i>	5	1	-	-	1250.000	1.299	0.100	1.299	-	-	2.597	0.013	-4.344	-0.056	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Scleria sp</i>	25	5	-	-	6250.000	6.494	0.500	6.494	-	-	12.987	0.065	-2.734	-0.178	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Stenochlaena palustris</i>	22	5	-	-	5500.000	5.714	0.500	6.494	-	-	12.208	0.057	-2.862	-0.164	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Alpinia oxymitra</i>	10	4	-	-	2500.000	2.597	0.400	5.195	-	-	7.792	0.026	-3.651	-0.095	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Psychotria malayana</i>	13	3	-	-	3250.000	3.377	0.300	3.896	-	-	7.273	0.034	-3.388	-0.114	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Leea aculeata</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium racemosum</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Decaspermum parviflorum</i>	17	1	-	-	4250.000	4.416	0.100	1.299	-	-	5.714	0.044	-3.120	-0.138	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium bankense</i>	2	1	-	-	500.000	0.519	0.100	1.299	-	-	1.818	0.005	-5.260	-0.027	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Nephrolepis sp.</i>	15	2	-	-	3750.000	3.896	0.200	2.597	-	-	6.494	0.039	-3.245	-0.126	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Daemonorops angustifolia</i>	2	1	-	-	500.000	0.519	0.100	1.299	-	-	1.818	0.005	-5.260	-0.027	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium urceolatum</i>	13	2	-	-	3250.000	3.377	0.200	2.597	-	-	5.974	0.034	-3.388	-0.114	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Aeschynanthus cf. horsfieldii</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Ficus punctata</i>	6	2	-	-	1500.000	1.558	0.200	2.597	-	-	4.156	0.016	-4.161	-0.065	3.087
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Garcinia parvifolia</i>	3	2	-	-	750.000	0.779	0.200	2.597	-	-	3.377	0.008	-4.855	-0.038	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Aporosa frutescens</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Barringtonia sp.</i>	2	1	-	-	500.000	0.519	0.100	1.299	-	-	1.818	0.005	-5.260	-0.027	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Neouvaria acuminatissima</i>	5	2	-	-	1250.000	1.299	0.200	2.597	-	-	3.896	0.013	-4.344	-0.056	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium muelleri</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Korthalsia flagellaris</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Ardisia haseltii</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium zeylanicum</i>	12	4	-	-	3000.000	3.117	0.400	5.195	-	-	8.312	0.031	-3.468	-0.108	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Wikstroemia androsaemifolia</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Melastoma malabathricum</i>	11	3	-	-	2750.000	2.857	0.300	3.896	-	-	6.753	0.029	-3.555	-0.102	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Oldenlandia biflora</i>	16	4	-	-	4000.000	4.156	0.400	5.195	-	-	9.351	0.042	-3.181	-0.132	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium cf. calophyllifolium</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Garcinia lateriflora</i>	45	1	-	-	11250.000	11.688	0.100	1.299	-	-	12.987	0.117	-2.147	-0.251	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Calophyllum pulcherrimum</i>	2	2	-	-	500.000	0.519	0.200	2.597	-	-	3.117	0.005	-5.260	-0.027	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Baeckea frutescens</i>	9	1	-	-	2250.000	2.338	0.100	1.299	-	-	3.636	0.023	-3.756	-0.088	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Rhodomyrtus tomentosa</i>	2	1	-	-	500.000	0.519	0.100	1.299	-	-	1.818	0.005	-5.260	-0.027	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Eriocaulon willdenovianum</i>	53	1	-	-	13250.000	13.766	0.100	1.299	-	-	15.065	0.138	-1.983	-0.273	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Syzygium decipiens</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Dicranopteris linearis</i>	4	1	-	-	1000.000	1.039	0.100	1.299	-	-	2.338	0.010	-4.567	-0.047	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Alpinia aquatica</i>	1	1	-	-	250.000	0.260	0.100	1.299	-	-	1.558	0.003	-5.953	-0.015	
Kembiri (Kem)	Swamp heath forest (SHF)	Seedling and herb	<i>Epipremnum aureum</i>	4	1	-	-	1000.000	1.039	0.100	1.299	-	-	2.338	0.010	-4.567	-0.047	
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Helicia robusta</i>	1	1	19.427	0.030	10.000	1.316	0.100	2.564	0.296	0.264	4.144	0.013	-4.331	-0.057	
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Melaleuca cajuputi</i>	23	7	308.439	7.468	230.000	30.263	0.700	17.949	74.681	66.470	114.682	0.303	-1.195	-0.362	
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Vitex pinnata</i>	1	1	12.698	0.013	10.000	1.316	0.100	2.564	0.127	0.113	3.993	0.013	-4.331	-0.057	2.571
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Dillenia suffruticosa</i>	1	1	10.510	0.009	10.000	1.316	0.100	2.564	0.087	0.077	3.957	0.013	-4.331	-0.057	
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Syzygium urceolatum</i>	3	2	37.675	0.111	30.000	3.947	0.200	5.128	1.114	0.992	10.067	0.039	-3.232	-0.128	

Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Decaspermum parviflorum</i>	2	2	29.936	0.070	20.000	2.632	0.200	5.128	0.704	0.626	8.386	0.026	-3.638	-0.096		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Schima walichii</i>	3	2	51.274	0.206	30.000	3.947	0.200	5.128	2.064	1.837	10.912	0.039	-3.232	-0.128		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Lindera lucida</i>	3	3	40.287	0.127	30.000	3.947	0.300	7.692	1.274	1.134	12.774	0.039	-3.232	-0.128		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Tristaniaopsis obovata</i>	1	1	12.420	0.012	10.000	1.316	0.100	2.564	0.121	0.108	3.988	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Aporosa frutescens</i>	1	1	14.650	0.017	10.000	1.316	0.100	2.564	0.168	0.150	4.030	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Calophyllum lanigerum</i>	4	2	59.236	0.275	40.000	5.263	0.200	5.128	2.754	2.452	12.843	0.053	-2.944	-0.155		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Albizia procera</i>	1	1	12.102	0.011	10.000	1.316	0.100	2.564	0.115	0.102	3.982	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Pternandra coerulescens</i>	5	1	70.701	0.392	50.000	6.579	0.100	2.564	3.924	3.492	12.636	0.066	-2.721	-0.179		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Syzygium racemosum</i>	1	1	39.809	0.124	10.000	1.316	0.100	2.564	1.244	1.107	4.987	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Rhodamnia cinerea</i>	1	1	15.287	0.018	10.000	1.316	0.100	2.564	0.183	0.163	4.043	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Cryptocaria densiflora</i>	1	1	13.057	0.013	10.000	1.316	0.100	2.564	0.134	0.119	3.999	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Baeckea frutescens</i>	12	1	155.573	1.900	120.000	15.789	0.100	2.564	18.999	16.911	35.264	0.158	-1.846	-0.291		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Calophyllum pulcherrimum</i>	1	1	13.694	0.015	10.000	1.316	0.100	2.564	0.147	0.131	4.011	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Adinandra dumosa</i>	1	1	18.153	0.026	10.000	1.316	0.100	2.564	0.259	0.230	4.110	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Syzygium cf. calophyllifolium</i>	1	1	15.127	0.018	10.000	1.316	0.100	2.564	0.180	0.160	4.040	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Styphelia malayana</i>	2	1	31.688	0.079	20.000	2.632	0.100	2.564	0.788	0.702	5.897	0.026	-3.638	-0.096		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Strobocalyx arborea</i>	4	3	57.962	0.264	40.000	5.263	0.300	7.692	2.637	2.347	15.303	0.053	-2.944	-0.155		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Glochidion arborescens</i>	1	1	10.350	0.008	10.000	1.316	0.100	2.564	0.084	0.075	3.955	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Syzygium palembanicum</i>	1	1	12.739	0.013	10.000	1.316	0.100	2.564	0.127	0.113	3.993	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	Poles	<i>Ficus variegata</i>	1	1	13.376	0.014	10.000	1.316	0.100	2.564	0.140	0.125	4.005	0.013	-4.331	-0.057		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Helicia robusta</i>	1	1	46.815	0.172	2.500	2.857	0.100	4.545	0.430	0.743	8.146	0.029	-3.555	-0.102		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Melaleuca cajuputi</i>	13	5	496.497	19.351	32.500	37.143	0.500	22.727	48.377	83.592	143.463	0.371	-0.990	-0.368		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Cratoxylum glaucum</i>	4	2	89.809	0.633	10.000	11.429	0.200	9.091	1.583	2.735	23.255	0.114	-2.169	-0.248		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Syzygium urceolatum</i>	4	3	104.777	0.862	10.000	11.429	0.300	13.636	2.154	3.723	28.788	0.114	-2.169	-0.248		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Lepisanthes alata</i>	1	1	35.669	0.100	2.500	2.857	0.100	4.545	0.250	0.431	7.834	0.029	-3.555	-0.102		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Antidesma cuspidatum</i>	1	1	20.382	0.033	2.500	2.857	0.100	4.545	0.082	0.141	7.543	0.029	-3.555	-0.102		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Decaspermum parviflorum</i>	2	2	52.866	0.219	5.000	5.714	0.200	9.091	0.548	0.948	15.753	0.057	-2.862	-0.164	2.016	93.16613588
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Schima walichii</i>	5	3	132.166	1.371	12.500	14.286	0.300	13.636	3.428	5.923	33.845	0.143	-1.946	-0.278		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Ilex cymosa</i>	1	1	46.815	0.172	2.500	2.857	0.100	4.545	0.430	0.743	8.146	0.029	-3.555	-0.102		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Ficus curtipes</i>	1	1	39.809	0.124	2.500	2.857	0.100	4.545	0.311	0.537	7.940	0.029	-3.555	-0.102		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Garcinia celebica</i>	1	1	31.210	0.076	2.500	2.857	0.100	4.545	0.191	0.330	7.733	0.029	-3.555	-0.102		
Kembiri (Kem)	Swamp heath forest (SHF)	tree	<i>Canthium horridum</i>	1	1	21.178	0.035	2.500	2.857	0.100	4.545	0.088	0.152	7.555	0.029	-3.555	-0.102		
Kembiri (Kem)	Mangrove (MF)	Seedling and herb	<i>Bruguiera gymnorhiza</i>	8	2	-	-	5000.000	15.385	0.500	28.571	-	-	43.956	0.250	-1.386	-0.347		
Kembiri (Kem)	Mangrove (MF)	Seedling and herb	<i>Ardisia lanceolata</i>	13	3	-	-	8125.000	25.000	0.750	42.857	-	-	67.857	0.406	-0.901	-0.366	1.184	
Kembiri (Kem)	Mangrove (MF)	Seedling and herb	<i>Hibiscus tiliaceus</i>	10	1	-	-	6250.000	19.231	0.250	14.286	-	-	33.516	0.313	-1.163	-0.363		
Kembiri (Kem)	Mangrove (MF)	Seedling and herb	<i>Ardisia haseltii-Ardisia haseltii</i>	1	1	-	-	625.000	1.923	0.250	14.286	-	-	16.209	0.031	-3.466	-0.108		
Kembiri (Kem)	Mangrove (MF)	Sapling	<i>Ardisia lanceolata</i>	5	2	-	-	500.000	25.000	0.500	40.000	-	-	65.000	0.250	-1.386	-0.347		
Kembiri (Kem)	Mangrove (MF)	Sapling	<i>Hibiscus tiliaceus</i>	10	2	-	-	1000.000	50.000	0.500	40.000	-	-	90.000	0.500	-0.693	-0.347	1.040	
Kembiri (Kem)	Mangrove (MF)	Sapling	<i>Excoecaria agallocha</i>	5	1	-	-	500.000	25.000	0.250	20.000	-	-	45.000	0.250	-1.386	-0.347		
Kembiri (Kem)	Mangrove (MF)	Poles	<i>Bruguiera gymnorhiza</i>	1	1	6.369	0.003	25.000	10.000	0.250	16.667	0.080	13.495	40.161	0.100	-2.303	-0.230		
Kembiri (Kem)	Mangrove (MF)	Poles	<i>Excoecaria agallocha</i>	5	3	28.344	0.013	125.000	50.000	0.750	50.000	0.321	54.349	154.349	0.500	-0.693	-0.347	1.221	
Kembiri (Kem)	Mangrove (MF)	Poles	<i>Xylocarpus granatum</i>	2	1	9.236	0.003	50.000	20.000	0.250	16.667	0.086	14.608	51.275	0.200	-1.609	-0.322		
Kembiri (Kem)	Mangrove (MF)	Poles	<i>Bruguiera sexangula</i>	2	1	10.191	0.004	50.000	20.000	0.250	16.667	0.102	17.340	54.007	0.200	-1.609	-0.322		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Ficus variegata</i>	1	1	7.006	0.038	6.250	0.500	0.250	4.762	0.237	0.075	5.337	0.005	-5.298	-0.026		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Bruguiera gymnorhiza</i>	65	2	955.096	11.668	406.250	32.500	0.500	9.524	72.925	23.083	65.106	0.325	-1.124	-0.365		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Excoecaria agallocha</i>	61	4	832.166	10.357	381.250	30.500	1.000	19.048	64.732	20.489	70.037	0.305	-1.187	-0.362		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Heritiera littoralis</i>	1	1	8.599	0.057	6.250	0.500	0.250	4.762	0.358	0.113	5.375	0.005	-5.298	-0.026		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Psychotria malayana</i>	2	1	15.287	0.091	12.500	1.000	0.250	4.762	0.569	0.180	5.942	0.010	-4.605	-0.046	1.582	347.133758
Kembiri (Kem)	Mangrove (MF)	tree	<i>Xylocarpus granatum</i>	13	3	357.006	8.845	81.250	6.500	0.750	14.286	55.283	17.499	38.284	0.065	-2.733	-0.178		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Lumnitzera littorea</i>	19	4	460.828	12.636	118.750	9.500	1.000	19.048	78.973	24.997	53.545	0.095	-2.354	-0.224		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Bruguiera sexangula</i>	36	4	471.338	6.744	225.000	18.000	1.000	19.048	42.148	13.341	50.388	0.180	-1.715	-0.309		
Kembiri (Kem)	Mangrove (MF)	tree	<i>Ardisia haseltii</i>	2	1	16.879	0.112	12.500	1.000	0.250	4.762	0.701	0.222	5.984	0.010	-4.605	-0.046		
Kampak Island (TR-Kam)	Mangrove (MF)	Seedling and herb	<i>Lumnitzera littorea</i>	69	3	-	-	57500.000	68.317	1.000	27.248	-	-	95.565	0.683	-0.381	-0.260	1.193	
Kampak Island (TR-Kam)	Mangrove (MF)	Seedling and herb	<i>Rhizophora mucronata</i>	2	1	-	-	1666.667	1.980	0.333	9.083	-	-	11.063	0.020	-3.922	-0.078		

Kampak Island (TR-Kam)	Manggrove (MF)	Seedling and herb	<i>Avicennia alba</i>	8	2	-	-	6666.667	7.921	0.667	18.165	-	-	26.086	0.079	-2.536	-0.201	
Kampak Island (TR-Kam)	Manggrove (MF)	Seedling and herb	<i>Hibiscus tiliaceus</i>	2	1	-	-	1666.667	1.980	0.333	9.083	-	-	11.063	0.020	-3.922	-0.078	
Kampak Island (TR-Kam)	Manggrove (MF)	Seedling and herb	<i>Scaevola taccada</i>	8	1	-	-	6666.667	7.921	0.333	9.083	-	-	17.003	0.079	-2.536	-0.201	
Kampak Island (TR-Kam)	Manggrove (MF)	Seedling and herb	<i>Ardisia lanceolata</i> .	2	1	-	-	1666.667	1.980	0.333	9.083	-	-	11.063	0.020	-3.922	-0.078	
Kampak Island (TR-Kam)	Manggrove (MF)	Seedling and herb	<i>Bruguiera gymnorhiza</i>	5	1	-	-	4166.667	4.950	0.333	9.083	-	-	14.033	0.050	-3.006	-0.149	
Kampak Island (TR-Kam)	Manggrove (MF)	Seedling and herb	<i>Melastoma malabathricum</i>	5	1	-	-	4166.667	4.950	0.333	9.083	-	-	14.033	0.050	-3.006	-0.149	
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Lumnitzera littorea</i>	3	1	23.376	0.043	400.000	23.077	0.333	10.010	5.719	41.961	75.048	0.231	-1.466	-0.338	
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Avicennia alba</i> .	2	2	14.427	0.016	266.667	15.385	0.667	20.020	2.178	15.983	51.387	0.154	-1.872	-0.288	
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Flacourtia rukam</i>	2	2	10.669	0.009	266.667	15.385	0.667	20.020	1.191	8.741	44.145	0.154	-1.872	-0.288	
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Hibiscus tiliaceus</i>	3	2	17.643	0.024	400.000	23.077	0.667	20.020	3.258	23.904	67.001	0.231	-1.466	-0.338	1.845
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Heritiera littoralis</i>	1	1	5.860	0.003	133.333	7.692	0.333	10.010	0.359	2.637	20.339	0.077	-2.565	-0.197	
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Pandanus tectorius</i>	1	1	5.255	0.002	133.333	7.692	0.333	10.010	0.289	2.120	19.823	0.077	-2.565	-0.197	
Kampak Island (TR-Kam)	Manggrove (MF)	Sapling	<i>Ardisia lanceolata</i>	1	1	7.834	0.005	133.333	7.692	0.333	10.010	0.642	4.713	22.416	0.077	-2.565	-0.197	
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Lumnitzera littorea</i>	2	1	25.541	0.051	66.667	18.182	0.333	12.484	1.707	12.141	42.807	0.182	-1.705	-0.310	
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Hibiscus tiliaceus</i>	1	1	11.306	0.010	33.333	9.091	0.333	12.484	0.334	2.379	23.954	0.091	-2.398	-0.218	
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Antidesma cuspidatum</i>	1	1	14.331	0.016	33.333	9.091	0.333	12.484	0.537	3.822	25.398	0.091	-2.398	-0.218	
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Pandanus tectorius</i>	4	2	60.000	0.283	133.333	36.363	0.667	24.969	9.420	66.999	128.331	0.364	-1.012	-0.368	1.768
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Ardisia lanceolata</i>	1	1	17.611	0.024	33.333	9.091	0.333	12.484	0.812	5.772	27.348	0.091	-2.398	-0.218	
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Pterospermum javanicum</i>	1	1	14.873	0.017	33.333	9.091	0.333	12.484	0.579	4.117	25.692	0.091	-2.398	-0.218	
Kampak Island (TR-Kam)	Manggrove (MF)	Poles	<i>Podocarpus neriifolius</i>	1	1	16.019	0.020	33.333	9.091	0.333	12.484	0.671	4.776	26.351	0.091	-2.398	-0.218	
Kampak Island (TR-Kam)	Manggrove (MF)	Tree	<i>Lumnitzera littorea</i>	14	3	685.096	36.844	87.500	73.684	1.000	42.918	307.037	97.982	214.585	0.737	-0.305	-0.225	
Kampak Island (TR-Kam)	Manggrove (MF)	Tree	<i>Rhizophora mucronata</i>	4	3	96.306	0.728	25.000	21.053	1.000	42.918	6.067	1.936	65.907	0.211	-1.558	-0.328	0.708
Kampak Island (TR-Kam)	Manggrove (MF)	Tree	<i>Pandanus tectorius</i>	1	1	19.904	0.031	6.250	5.263	0.333	14.306	0.259	0.083	19.652	0.053	-2.944	-0.155	267.1019108
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Albizia procera</i>	1	1	-	-	625.000	0.435	0.250	5.882	-	-	6.317	0.004	-5.438	-0.024	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Baeckea frutescens</i>	22	2	-	-	13750.000	9.565	0.500	11.765	-	-	21.330	0.096	-2.347	-0.224	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Calophyllum lanigerum</i> .	2	1	-	-	1250.000	0.870	0.250	5.882	-	-	6.752	0.009	-4.745	-0.041	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Diospyros sp</i>	23	1	-	-	14375.000	10.000	0.250	5.882	-	-	15.882	0.100	-2.303	-0.230	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Garcinia celebica</i>	5	1	-	-	3125.000	2.174	0.250	5.882	-	-	8.056	0.022	-3.829	-0.083	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Helicia robusta</i>	2	1	-	-	1250.000	0.870	0.250	5.882	-	-	6.752	0.009	-4.745	-0.041	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Leptospermum polygalifolium</i>	27	1	-	-	16875.000	11.739	0.250	5.882	-	-	17.621	0.117	-2.142	-0.251	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Melaleuca cajuputi</i>	103	2	-	-	64375.000	44.783	0.500	11.765	-	-	56.547	0.448	-0.803	-0.360	1.834
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Melastoma malabathricum</i>	1	1	-	-	625.000	0.435	0.250	5.882	-	-	6.317	0.004	-5.438	-0.024	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Nepenthes mirabilis</i>	1	1	-	-	625.000	0.435	0.250	5.882	-	-	6.317	0.004	-5.438	-0.024	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Rhodomyrtus tomentosa</i>	18	2	-	-	11250.000	7.826	0.500	11.765	-	-	19.591	0.078	-2.548	-0.199	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Syphelia malayana</i>	5	1	-	-	3125.000	2.174	0.250	5.882	-	-	8.056	0.022	-3.829	-0.083	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Syzygium urceolatum</i>	3	1	-	-	1875.000	1.304	0.250	5.882	-	-	7.187	0.013	-4.339	-0.057	
Kampak Island (TR-Kam)	Heath forest (HF)	Seedling and herb	<i>Vaccinium bracteatum</i>	17	1	-	-	10625.000	7.391	0.250	5.882	-	-	13.274	0.074	-2.605	-0.193	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Syzygium cf. calophyllifolium</i>	1	1	6.242	0.003	100.000	5.000	0.250	8.333	0.306	1.787	15.120	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Melaleuca cajuputi</i>	4	1	21.815	0.037	400.000	20.000	0.250	8.333	3.736	21.822	50.155	0.200	-1.609	-0.322	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Calophyllum lanigerum</i>	1	1	5.764	0.003	100.000	5.000	0.250	8.333	0.261	1.524	14.857	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Syzygium urceolatum</i>	4	2	33.726	0.089	400.000	20.000	0.500	16.667	8.929	52.155	88.822	0.200	-1.609	-0.322	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Syzygium acuminatissima</i>	2	1	11.497	0.010	200.000	10.000	0.250	8.333	1.038	6.061	24.394	0.100	-2.303	-0.230	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Salacia grandifolia</i>	1	1	6.752	0.004	100.000	5.000	0.250	8.333	0.358	2.090	15.423	0.050	-2.996	-0.150	2.233
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Rhodamnia cinerea</i>	2	1	10.000	0.008	200.000	10.000	0.250	8.333	0.785	4.585	22.919	0.100	-2.303	-0.230	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Diospyros sp</i>	1	1	5.637	0.002	100.000	5.000	0.250	8.333	0.249	1.457	14.790	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Garcinia bancana</i>	1	1	5.478	0.002	100.000	5.000	0.250	8.333	0.236	1.376	14.709	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Cratoxylum glaucum</i>	1	1	7.134	0.004	100.000	5.000	0.250	8.333	0.399	2.333	15.667	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Sapling	<i>Baeckea frutescens</i>	2	1	10.223	0.008	200.000	10.000	0.250	8.333	0.820	4.792	23.125	0.100	-2.303	-0.230	
Kampak Island (TR-Kam)	Heath forest (HF)	Poles	<i>Adinandra dumosa</i> .	2	1	35.701	0.100	50.000	10.000	0.250	11.111	2.501	4.535	25.646	0.100	-2.303	-0.230	
Kampak Island (TR-Kam)	Heath forest (HF)	Poles	<i>Albizia procera</i>	5	1	82.038	0.528	125.000	25.000	0.250	11.111	13.208	23.945	60.056	0.250	-1.386	-0.347	
Kampak Island (TR-Kam)	Heath forest (HF)	Poles	<i>Melaleuca cajuputi</i>	9	3	139.554	1.529	225.000	45.000	0.750	33.333	38.220	69.290	147.623	0.450	-0.799	-0.359	1.535
Kampak Island (TR-Kam)	Heath forest (HF)	Poles	<i>Dillenia suffruticosa</i>	1	1	10.287	0.008	25.000	5.000	0.250	11.111	0.208	0.376	16.488	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Poles	<i>Garcinia bancana</i>	1	1	11.847	0.011	25.000	5.000	0.250	11.111	0.275	0.499	16.610	0.050	-2.996	-0.150	
Kampak Island (TR-Kam)	Heath forest (HF)	Poles	<i>Tristaniopsis obovata</i>	1	1	14.299	0.016	25.000	5.000	0.250	11.111	0.401	0.727	16.839	0.050	-2.996	-0.150	

Kampak Island (TR-Kam)	Heath forest (HF)	Poles	Baeckea frutescens	1	1	13.312	0.014	25.000	5.000	0.250	11.111	0.348	0.630	16.742	0.050	-2.996	-0.150	1.515	99.93630573
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Baccaurea deflexa	2	1	54.968	0.237	12.500	6.897	0.250	7.692	1.482	1.489	16.078	0.069	-2.674	-0.184		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Adinandra dumosa	3	1	93.217	0.682	18.750	10.345	0.250	7.692	4.263	4.283	22.320	0.103	-2.269	-0.235		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Albizia procera	1	1	20.446	0.033	6.250	3.448	0.250	7.692	0.205	0.206	11.347	0.034	-3.367	-0.116		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Syzygium cf. calophyllifolium	2	2	77.293	0.469	12.500	6.897	0.500	15.385	2.931	2.945	25.226	0.069	-2.674	-0.184		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Melaleuca cajuputi	16	3	420.573	13.885	100.000	55.172	0.750	23.077	86.783	87.184	165.433	0.552	-0.595	-0.328		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Syzygium urceolatum	3	2	80.892	0.514	18.750	10.345	0.750	23.077	3.210	3.225	36.647	0.103	-2.269	-0.235		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Shorea balanerans	1	1	24.236	0.046	6.250	3.448	0.250	7.692	0.288	0.290	11.430	0.034	-3.367	-0.116		
Kampak Island (TR-Kam)	Heath forest (HF)	Tree	Baeckea frutescens	1	1	27.866	0.061	6.250	3.448	0.250	7.692	0.381	0.383	11.523	0.034	-3.367	-0.116		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Melaleuca cajuputi	88	4	-	-	44000.000	66.165	0.800	0.235	-	-	66.401	0.662	-0.413	-0.273	1.293	
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Eugenia cerina	2	1	-	-	1000.000	1.504	0.200	0.059	-	-	1.563	0.015	-4.197	-0.063		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Rhodamnia cinerea	1	1	-	-	500.000	0.752	0.200	0.059	-	-	0.811	0.008	-4.890	-0.037		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Arthrophyllum javanicum	5	2	-	-	2500.000	3.759	0.400	0.118	-	-	3.877	0.038	-3.281	-0.123		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Melastoma malabathricum	3	1	-	-	1500.000	2.256	0.200	0.059	-	-	2.314	0.023	-3.792	-0.086		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Vitex pinnata	1	1	-	-	500.000	0.752	0.200	0.059	-	-	0.811	0.008	-4.890	-0.037		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Lindera cf. lucida	1	1	-	-	500.000	0.752	0.200	0.059	-	-	0.811	0.008	-4.890	-0.037		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Lindera lucida	2	1	-	-	1000.000	1.504	0.200	0.059	-	-	1.563	0.015	-4.197	-0.063		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Ilex cymosa	14	1	-	-	7000.000	10.526	0.200	0.059	-	-	10.585	0.105	-2.251	-0.237		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Antidesma cuspidatum	13	1	-	-	6500.000	9.774	0.200	0.059	-	-	9.833	0.098	-2.325	-0.227		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Aporosa frutescens	1	1	-	-	500.000	0.752	0.200	0.059	-	-	0.811	0.008	-4.890	-0.037		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Eurya acuminata	1	1	-	-	500.000	0.752	0.200	0.059	-	-	0.811	0.008	-4.890	-0.037		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Seedling and herb	Syzygium acuminatissima	1	1	-	-	500.000	0.752	0.200	0.059	-	-	0.811	0.008	-4.890	-0.037		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Aporosa frutescens	1	1	8.631	0.006	83.333	4.545	0.200	7.692	0.487	1.661	13.899	0.045	-3.091	-0.141		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Tristaniaopsis obovata	5	2	31.911	0.080	416.667	22.727	0.400	15.385	6.661	22.704	60.816	0.227	-1.482	-0.337		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Baccaurea deflexa	1	1	5.446	0.002	83.333	4.545	0.200	7.692	0.194	0.661	12.899	0.045	-3.091	-0.141		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Melaleuca cajuputi	9	3	55.287	0.240	750.000	40.909	0.600	23.077	19.995	68.150	132.136	0.409	-0.894	-0.366	1.763	
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Arthrophyllum javanicum	2	2	11.688	0.011	166.667	9.091	0.400	15.385	0.894	3.046	27.521	0.091	-2.398	-0.218		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Syzygium racemosum	1	1	5.255	0.002	83.333	4.545	0.200	7.692	0.181	0.616	12.853	0.045	-3.091	-0.141		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Lindera cf. lucida	1	1	7.707	0.005	83.333	4.545	0.200	7.692	0.389	1.324	13.562	0.045	-3.091	-0.141		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Lindera lucida	1	1	6.783	0.004	83.333	4.545	0.200	7.692	0.301	1.026	13.264	0.045	-3.091	-0.141		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Sapling	Commersonia bartramia	1	1	6.083	0.003	83.333	4.545	0.200	7.692	0.242	0.825	13.063	0.045	-3.091	-0.141		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Calophyllum lanigerum	2	2	23.344	0.043	40.000	11.765	0.400	13.333	0.856	6.385	31.483	0.118	-2.140	-0.252		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Vernonia arborea	1	1	12.006	0.011	20.000	5.882	0.200	6.667	0.226	1.689	14.238	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Melaleuca cajuputi	4	3	61.369	0.296	80.000	23.529	0.600	20.000	5.913	44.126	87.656	0.235	-1.447	-0.340		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Ficus sundaica	1	1	15.637	0.019	20.000	5.882	0.200	6.667	0.384	2.865	15.414	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Cratogeomys formosus	2	1	23.662	0.044	40.000	11.765	0.200	6.667	0.879	6.560	24.992	0.118	-2.140	-0.252		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Antidesma cuspidatum	1	1	19.331	0.029	20.000	5.882	0.200	6.667	0.587	4.378	16.927	0.059	-2.833	-0.167	2.344	
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Adinandra dumosa	1	1	15.828	0.020	20.000	5.882	0.200	6.667	0.393	2.935	15.484	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Eurya glabra	1	1	16.592	0.022	20.000	5.882	0.200	6.667	0.432	3.226	15.775	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Schima walichii	1	1	19.204	0.029	20.000	5.882	0.200	6.667	0.579	4.321	16.870	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Rhodamnia cinerea	1	1	12.621	0.012	20.000	5.882	0.200	6.667	0.236	1.761	14.310	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Vitex pinnata	1	1	38.503	0.116	20.000	5.882	0.200	6.667	2.328	17.370	29.919	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Poles	Salacia grandifolia	1	1	19.268	0.029	20.000	5.882	0.200	6.667	0.583	4.350	16.899	0.059	-2.833	-0.167		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Vitex pinnata	2	1	47.134	0.174	10.000	7.692	0.200	10.000	0.872	0.756	18.449	0.077	-2.565	-0.197		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Schima walichii	1	1	39.236	0.121	5.000	3.846	0.200	10.000	0.604	0.524	14.370	0.038	-3.258	-0.125	1.738	106.4048125
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Salacia grandifolia	2	1	85.796	0.578	10.000	7.692	0.200	10.000	2.889	2.506	20.199	0.077	-2.565	-0.197		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Baeckea frutescens	1	1	25.860	0.052	5.000	3.846	0.200	10.000	0.262	0.228	14.074	0.038	-3.258	-0.125		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Microcos tomentosa	1	1	22.611	0.040	5.000	3.846	0.200	10.000	0.201	0.174	14.020	0.038	-3.258	-0.125		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Antidesma cuspidatum	12	1	509.745	20.397	60.000	46.154	0.200	10.000	101.987	88.469	144.623	0.462	-0.773	-0.357		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Melaleuca cajuputi	4	2	122.134	1.171	20.000	15.385	0.400	20.000	5.855	5.079	40.463	0.154	-1.872	-0.288		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Lepisanthes amoena	2	1	76.146	0.455	10.000	7.692	0.200	10.000	2.276	1.974	19.666	0.077	-2.565	-0.197		
Tanjung Rusa (TR-Bel)	Swamp heath forest (SHF)	Tree	Neouvaria acuminatissima	1	1	28.981	0.066	5.000	3.846	0.200	10.000	0.330	0.286	14.132	0.038	-3.258	-0.125		
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	Gliricidia sepium	2	2	-	-	1666.667	1.695	0.667	14.306	-	-	16.001	0.017	-4.078	-0.069	2.125	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	Syzygium foxoarthianum	2	1	-	-	1666.667	1.695	0.333	7.153	-	-	8.848	0.017	-4.078	-0.069		

Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Calophyllum lanigerum</i>	7	2	-	-	5833.333	5.932	0.667	14.306	-	-	20.238	0.059	-2.825	-0.168	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Syzygium syzygioides</i>	1	1	-	-	833.333	0.847	0.333	7.153	-	-	8.001	0.008	-4.771	-0.040	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Rhodammia cinerea</i>	1	1	-	-	833.333	0.847	0.333	7.153	-	-	8.001	0.008	-4.771	-0.040	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Arthrophyllum javanicum</i>	1	1	-	-	833.333	0.847	0.333	7.153	-	-	8.001	0.008	-4.771	-0.040	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Rhodomyrtus tomentosa</i>	1	1	-	-	833.333	0.847	0.333	7.153	-	-	8.001	0.008	-4.771	-0.040	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Hevea brasiliensis</i>	8	1	-	-	6666.667	6.780	0.333	7.153	-	-	13.933	0.068	-2.691	-0.182	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Garcinia celebica</i>	1	1	-	-	833.333	0.847	0.333	7.153	-	-	8.001	0.008	-4.771	-0.040	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Melastoma malabathricum</i>	9	1	-	-	7500.000	7.627	0.333	7.153	-	-	14.780	0.076	-2.573	-0.196	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Vitex pinnata</i>	6	2	-	-	5000.000	5.085	0.667	14.306	-	-	19.391	0.051	-2.979	-0.151	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Lindera lucida</i>	2	2	-	-	1666.667	1.695	0.667	14.306	-	-	16.001	0.017	-4.078	-0.069	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Salacia grandifolia</i>	12	1	-	-	10000.000	10.169	0.333	7.153	-	-	17.323	0.102	-2.286	-0.232	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Syzygium bankense</i>	50	1	-	-	41666.667	42.373	0.333	7.153	-	-	49.526	0.424	-0.859	-0.364	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Syzygium urceolatum</i>	4	1	-	-	3333.333	3.390	0.333	7.153	-	-	10.543	0.034	-3.384	-0.115	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Schima walichii</i>	4	1	-	-	3333.333	3.390	0.333	7.153	-	-	10.543	0.034	-3.384	-0.115	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Decaspermum parviflorum</i>	6	1	-	-	5000.000	5.085	0.333	7.153	-	-	12.238	0.051	-2.979	-0.151	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Seedling and herb	<i>Psychotria malayana</i>	1	1	-	-	833.333	0.847	0.333	7.153	-	-	8.001	0.008	-4.771	-0.040	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Acacia mangium</i>	2	1	16.274	0.021	266.667	16.667	0.333	11.111	2.772	23.216	50.994	0.167	-1.792	-0.299	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Syzygium zeylanicum</i>	1	1	6.529	0.003	133.333	8.333	0.333	11.111	0.446	3.736	23.181	0.083	-2.485	-0.207	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Arthrophyllum javanicum</i>	1	1	5.892	0.003	133.333	8.333	0.333	11.111	0.363	3.043	22.487	0.083	-2.485	-0.207	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Hevea brasiliensis</i>	1	1	6.688	0.004	133.333	8.333	0.333	11.111	0.468	3.921	23.365	0.083	-2.485	-0.207	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Aleurites moluccana</i>	1	1	5.446	0.002	133.333	8.333	0.333	11.111	0.310	2.600	22.044	0.083	-2.485	-0.207	2.023
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Commersonia bartramia</i>	2	1	16.911	0.022	266.667	16.667	0.333	11.111	2.993	25.069	52.847	0.167	-1.792	-0.299	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Tristaniaopsis obovata</i>	2	1	15.096	0.018	266.667	16.667	0.333	11.111	2.385	19.976	47.753	0.167	-1.792	-0.299	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Sapling	<i>Schima walichii</i>	2	2	14.522	0.017	266.667	16.667	0.667	22.222	2.207	18.487	57.376	0.167	-1.792	-0.299	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Guioa diplopetala</i>	1	1	18.217	0.026	33.333	5.883	0.333	8.333	0.868	4.483	18.699	0.059	-2.833	-0.167	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Syzygium urceolatum</i>	1	1	13.917	0.015	33.333	5.883	0.333	8.333	0.507	2.617	16.833	0.059	-2.833	-0.167	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Baeckea frutescens</i>	1	1	16.369	0.021	33.333	5.883	0.333	8.333	0.701	3.620	17.836	0.059	-2.833	-0.167	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Albicia sp.</i>	1	1	13.312	0.014	33.333	5.883	0.333	8.333	0.464	2.394	16.610	0.059	-2.833	-0.167	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Lindera lucida</i>	2	1	22.293	0.039	66.667	11.766	0.333	8.333	1.300	6.714	26.813	0.118	-2.140	-0.252	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Commersonia bartramia</i>	1	1	10.796	0.009	33.333	5.883	0.333	8.333	0.305	1.575	15.791	0.059	-2.833	-0.167	2.262
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Salacia grandifolia</i>	2	1	35.191	0.097	66.667	11.766	0.333	8.333	3.241	16.730	36.829	0.118	-2.140	-0.252	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Vitex pinnata</i>	2	1	38.503	0.116	66.667	11.766	0.333	8.333	3.879	20.027	40.126	0.118	-2.140	-0.252	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Hevea brasiliensis</i>	4	2	53.057	0.221	133.333	23.532	0.667	16.667	7.366	38.029	78.227	0.235	-1.447	-0.340	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Calophyllum lanigerum</i>	1	1	11.497	0.010	33.333	5.883	0.333	8.333	0.346	1.786	16.002	0.059	-2.833	-0.167	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Poles	<i>Rhodammia cinerea</i>	1	1	12.261	0.012	33.333	5.883	0.333	8.333	0.393	2.031	16.247	0.059	-2.833	-0.167	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Lepisanthes amoena</i>	2	1	76.146	0.455	16.667	10.529	0.333	11.111	3.793	12.720	34.359	0.105	-2.251	-0.237	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Salacia grandifolia</i>	2	1	85.796	0.578	16.667	10.529	0.333	11.111	4.815	16.148	37.788	0.105	-2.251	-0.237	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Vitex pinnata</i>	2	1	47.134	0.174	16.667	10.529	0.333	11.111	1.453	4.874	26.513	0.105	-2.251	-0.237	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Baeckea frutescens</i>	1	1	25.860	0.052	8.333	5.264	0.333	11.111	0.437	1.467	17.842	0.053	-2.944	-0.155	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Rhodammia cinerea</i>	1	1	24.076	0.046	8.333	5.264	0.333	11.111	0.379	1.272	17.647	0.053	-2.944	-0.155	2.087
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Elais guineensis</i>	1	1	22.006	0.038	8.333	5.264	0.333	11.111	0.317	1.062	17.438	0.053	-2.944	-0.155	63.13517339
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Hevea brasiliensis</i>	3	1	81.051	0.516	25.000	15.793	0.333	11.111	4.297	14.411	41.315	0.158	-1.846	-0.291	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Acacia mangium</i>	4	1	121.306	1.155	33.333	21.057	0.333	11.111	9.626	32.281	64.449	0.211	-1.558	-0.328	
Tanjung Rusa (TR-Bel)	Heath forest (HF)	Tree	<i>Schima walichii</i>	3	1	84.841	0.565	25.000	15.793	0.333	11.111	4.709	15.790	42.694	0.158	-1.846	-0.291	

References

1. Basrowi, M.; Qayim, I.; Raffiudin, R. Modeling of potential bee forage habitat for *Apis dorsata* in Membalong, Belitung. *J. Ilmu Pertan. Indones.* **2022**, *27*, 562–573Bruchac, M.M. Indigenous Knowledge and Traditional Knowledge. In *Encyclopedia of Global Archaeology*; Smith, C., Ed.; Springer Science and Business Media: New York, NY, USA, 2014; pp. 3814–3824.
2. Bramasta, D.; Qayim, I.; Djuita, N.R.; Raffiudin, R.; Putra, R.E.; Soesilohadi, R.H.; Purnobasuki, H. Melissopalynology and vegetation analysis surrounding *sunggau* of giant honey bee *Apis dorsata* in Belitung Regency. *HAYATI J. Biosci.* **2023**, *30*, 1167–1174.