

Appendix II : Tree heights for permanent forest plots

journal or publication title	南太平洋海域調査研究報告=Occasional papers
volume	16
page range	153-157
URL	http://hdl.handle.net/10232/16627

APPENDIX II

Tree heights for permanent forest plots

1. Pinang Pinang Bawah Plot
(H1 were measured on 20 Sep. 1984; H4 on 3 Dec. 1987)
2. Airsirah Plot
(H1 in mid-Sep. 1980 by T. Yoneda; H7 on 6 Dec. 1987)
3. G. Gadut Plot
(H4 on 2 Jan. 1988)

Measured by T. Kohyama

1. Tree heights in Pinang Pinang Bawah Plot

Sub	No	Species	DBH1	DBH4	H1	H4
1	1	Laportea stimulans	5.9	6.1	6.5	7.1
1	6	Sapium sebiferum	15.5	15.9	9.7	11.2
1	7	Macaranga denticulata	5.0	5.8	6.5	9.0
1	9	Sapium sebiferum	6.1	dead	6.0	dead
1	10	Vernonia arborea	14.9	19.1	13.2	19.6
1	11	Laportea stimulans	7.6	7.7	6.1	7.6
1	12	Macaranga sp.	15.4	18.0	13.9	15.0
1	13	(Urticaceae)	9.0	dead	9.0	dead
1	15	Trema angustifolia	7.5	9.0	8.8	11.9
1	18	Macaranga denticulata	8.5	11.5	8.4	10.1
2	21		5.7	8.3	7.9	9.8
2	22	Coffia arabica	7.0	8.2	6.8	7.9
2	25		18.3	19.6	10.8	16.8
2	37	Trema orientalis	18.7	29.9	14.1	23.3
3	46	Laportea stimulans	7.1	7.7	8.7	8.5
3	49		7.0	dead	12.4	dead
3	50	Macaranga sp.	16.5	21.5	13.6	19.4
3	53	Vernonia arborea	15.5	21.4	12.8	20.4
4	59	Vernonia arborea	8.7	12.0	10.7	11.1
4	70	Styrax serrulatum	8.1	9.4	9.1	11.3
4	71	Mallotus paniculatus	15.9	22.6	13.9	17.9
4	75	Laportea stimulans	4.8	5.4	5.4	6.3
4	77	Pternandra caerulescens	4.0	5.9	6.0	7.2
5	99	Laportea stimulans	6.9	7.2	7.1	7.4
5	102	Vernonia arborea	7.4	7.6	8.7	9.4
5	106	Elaeocarpus sp.	13.1	19.4	15.8	23.5
6	116	Vernonia arborea	14.5	21.3	14.1	22.9
6	118	Vernonia arborea	10.2	13.8	11.6	13.2
6	120	(Urticaceae)	8.7	9.4	7.2	7.9
6	121	(Urticaceae)	14.0	18.3	11.2	12.6
6	123	Laportea stimulans	5.5	6.4	6.4	7.2
7	142	Vernonia arborea	15.2	22.9	14.6	20.5
7	147	Vernonia arborea	11.0	13.9	13.2	19.7
7	149	Dipterocarpus sp.	4.8	7.3	7.3	10.9
7	151	Macaranga gigantea	9.0	10.8	10.1	15.5
7	154	Mallotus paniculatus	10.6	16.9	13.5	18.0
8	155	Sapium sebiferum	7.3	8.4	9.1	8.9
8	156	Vernonia arborea	11.6	13.3	12.0	15.4
8	171	Mallotus paniculatus	17.0	22.1	15.2	14.7
10	221	Vernonia arborea	14.8	19.5	14.6	19.8

DBH1, H1: dbh (cm) and tree height (m) on 20 Sep. 1984

DBH4, H4: dbh (cm) and tree height (m) on 3 Dec. 1987

2. Tree heights in Airsirah Plot

Sub	No	Species	DBH1	DBH7	H1	H7
1	11	<i>Quercus lineata</i>	-	39.4	-	22.1
1	14	<i>Litsea</i> sp.	-	8.9	-	12.2
1	15		-	25.8	-	30.9
1	17	<i>Quercus lineata</i>	-	5.9	-	8.6
1	20	<i>Syzygium</i> sp.	14.0	13.3	15.7	-
2	21	(Lauraceae)	36.1	36.4	31.0	24.3
2	23	<i>Weinmannia blumei</i>	16.5	20.3	17.1	17.9
2	28	<i>Schima wallichii</i>	82.9	85.1	28.0	29.2
2	31	<i>Lithocarpus</i> sp.	20.4	23.1	21.8	20.9
2	33	<i>Tristania bakhuizeni</i>	-	13.3	-	15.8
3	38		-	35.3	-	20.8
4	56	<i>Quercus lineata</i>	-	70.3	-	27.2
4	60	<i>Lithocarpus ewyckii</i>	40.9	40.3	27.0	25.8
4	61	<i>Semecarpus heterophyllus</i>	-	8.7	-	9.4
4	63	<i>Aglaea</i> sp.	9.5	8.9	12.0	13.3
5	79	<i>Tristania bakhuizeni</i>	6.9	7.4	11.5	12.1
5	80	<i>Syzygium</i> sp.	13.1	14.2	13.7	17.0
5	81	(Anacardiaceae)	-	36.9	-	25.3
5	88	<i>Cinnamomum javanicum</i>	-	6.2	-	8.6
5	89	(Meliaceae)	52.1	52.8	33.8	33.8
5	90	<i>Polyosma</i> sp.	11.1	11.9	14.7	19.2
5	91	<i>Syzygium</i> sp.	-	12.9	-	16.9
6	93	<i>Elaeocarpus stipularis</i>	12.8	13.8	21.8	17.2
6	94	<i>Palaquium</i> sp.	-	33.9	-	25.7
6	108	<i>Canarium</i> sp.	7.3	9.5	11.3	12.9
6	111		13.1	12.8	15.2	17.7
7	121	(Lauraceae)	-	21.6	-	22.1
7	124	<i>Syzygium</i> sp. cf.	-	14.9	-	12.1
7	126		67.7	67.0	21.7	23.3
8	131	<i>Quercus lineata</i>	53.8	62.4	28.4	27.3
8	138	(Annonaceae)	13.4	16.6	17.1	20.0
9	149	<i>Magnolia</i> sp. cf.	8.6	9.9	7.5	10.1
10	162	<i>Cinnamomum</i> sp.	16.2	16.6	15.4	14.7
10	172	(Euphorbiaceae)	10.8	11.8	11.5	13.6

DBH1, H1: dbh (cm) and tree height (m) in Sep. 1980

DBH7, H7: dbh (cm) and tree height (m) on 6 Dec. 1987

3. Tree heights in G. Gadut Plot

Sub	No	Species	DBH4	H4
1	1	(Theaceae)	32.3	18.6
1	13	<i>Tristania bakhuizeni</i>	7.7	9.0
3	48	<i>Tristania bakhuizeni</i>	33.3	17.6
3	50	<i>Tristania bakhuizeni</i>	9.6	12.3
3	54		11.2	11.8
3	55	<i>Podocarpus neriifolius</i>	15.5	12.1
3	56		20.5	15.7
4	95	<i>Disepalum platypetalum</i>	25.8	19.6
4	96		24.3	17.1
4	97	(Lauraceae)	25.1	18.8
4	99	<i>Syzygium</i> sp.	11.6	10.1
5	111	<i>Lithocarpus elegans</i> cf.	18.4	14.8
5	115	<i>Ilex</i> sp.	18.5	12.2
6	262		6.7	4.7
6	264	<i>Macaranga javanica</i>	6.0	6.1
8	191	<i>Talauma</i> sp.	9.5	9.6
8	201	<i>Weinmannia blumei</i>	5.6	6.1
8	202	<i>Lithocarpus elegans</i> cf.	31.6	13.6
8	205	<i>Memecylon ovatum</i> cf.	17.5	13.7
8	270	<i>Litsea</i> sp.	5.7	6.0
9	209	<i>Macaranga javanica</i>	12.3	10.1
9	210	<i>Elaeocarpus griffithii</i>	6.2	7.7
9	212	<i>Myrica javanica</i> cf.	17.0	19.9
9	214		16.5	13.1
9	218		26.9	17.5
9	271	<i>Elaeocarpus</i> sp.	5.5	8.6
10	224	<i>Polyosma</i> sp. cf.	6.0	7.5
10	231		8.0	13.7
10	238		52.5	17.1
10	273		5.0	6.2

DBH4, H4: dbh (cm) and tree height (m) on
2 Jan. 1988