

Appendix 3.1: Field trip collection for *Alternanthera* species.

Species	State	Area	Date	Collector	Collection no
<i>A. sessilis</i> 'Green'	Kuala Lumpur	Varsity lake, Malaya University 3° 7'14.64"N 101°39'26.80"E	29/6/07	Chin, E.H.S.	ASG020, ASG010 (KLU)
		Taman Bukit Cheras, Cheras 3° 4'1.54"N 101°44'48.31"E	1/3/2008	Chin, E.H.S.	ASG 015, ASG018 ASG019(KLU)
	Selangor	Kuala Selangor Nature Park, Jln Klinik, Kuala Selangor 03° 3'7.88"N 101°29'57.07"E	11/8/2008	Chin, E.H.S.	ASG011, ASG012
		Jln Ara, Sg. Yu, Tanjung Karang, Kuala Selangor N 03° 20' 53.5' E 101° 14' 56.5'	11/8/2008	Chin, E.H.S.	
		Cheah Wah Seng Orchid Farm, Taman Agroteknologi Bukit Changgang, Kuala Langat, Banting,	5/8/2009	Chin, E.H.S. Cheah, Y.H.	ASG007, ASG008, ASG009, ASG006(KLU)
	Perak	Putrajaya Wetland N 02 °54 44.8" E 101° 40 '41.0"	10/1/2010	Chin, E.H.S. Cheah, Y.H. Chew, M.Y.	ASG016(KLU)
		Kinta Forest Reserve	2008	Chew, M.Y.	s.n.
		Phang Oo Lang Kedai Ubat, Jln Satu Datok Haji Ahmad Badawi, Kepala Batas	1/3/2009	Chin, E.H.S.	
Kedah	Sungai petani	2008	Lim, A.L.	ASG001, ASG002, ASG003, ASG004, ASG005	

Appendix 3.1: Continued

Species	State	Area	Date	Collector	Specimen no
<i>A. sessilis</i> 'Red'	Kuala Lumpur	Rimba Ilmu Botanic Garden	1/10/2007	Chin, E.H.S.	ASR002, ASR004, ASR005, ASR013 ASR001(KLU)
		Taman Orkid Desa, Tasek Selatan	22/1/09	Chin, E.H.S.	ASR007(KLU)
		Jinjang	5/4/2009	Chin, E.H.S.	ASR011, ASR012 ASR015, ASR014(KLU)
	Selangor	Bandar Harapan Organic Farm, Ara Damansara	14/10/08		ASR009, ASR008(KLU)
<i>A. paronychioides</i>	Selangor	Kuala Selangor Nature Park, Jln Klinik, Kuala Selangor 03° 3'7.88"N 101°29'57.07"E	11/8/2008	Chin. E.H.S	AP002, AP003, AP005, AP004(KLU)
		Jln Ara, Sg. Yu, Tanjung Karang N 03° 20' 53.5' E 101° 14' 56.5'	11/8/2008	Chin. E.H.S.	AP001
<i>A. brasiliana</i>	Kuala Lumpur	Institute of Biological Sciences, Malaya University	2007	Chin. E.H.S.	ABRA001(KLU)
	Selangor	Jln Ara, Sg. Yu, Tanjung Karang, Kuala Selangor N 03° 20' 53.5' E 101° 14' 56.5'	11/8/2008	Chin. E.H.S.	ABRA003(KLU)
	Johor	Sagil, Tangkak.	21/2/09	Wong. M.M	ABRA004, ABRA005 ABRA007(KLU)
<i>A. ficoidea</i>	Selangor	Forest Research Institute Malaysia, herbarium building Forest Research Institute Malaysia,, herbarium car park	15/1/09	Chin. E.H.S.	ABZ003(KLU)

Appendix 3.1: Continued

Species	State	Area	Date	Collector	Specimen no
<i>A.betzickiana</i>	Selangor		1/7/2010	Lim. A.L.	AFB002(KLU)
	Putrajaya		23/6/2010	Chin. E.H.S.	AFB001(KLU)
	Kuala Lumpur	Dewan Tunku Canceled, University of Malaya	23/5/2010	Chin. E.H.S.	AFBV002(KLU)
	Kuala Lumpur	Dewan Tunku Canceled, University of Malaya	23/5/2010	Chin. E.H.S.	AFB003(KLU)

Appendix 3.1: Continued

Species	State	Habitat	Habit & morphology
<i>A. sessilis</i> 'Green'	Kuala Lumpur	Lake	Ascending, partially submerged. Growing at the edge of the lake Rheophytic leaves, hollow stem, green stem tinged with purple at the node
		Wasteland	Creeping and form a mat Leaf variable in shape and size, green stem tinged with purple at the node
	Selangor	Shady, muddy ditch	Decumbent, growing towards the inner part of ditch Sessile inflorescence, white flower, purplish stem
		Canal in oil palm plantation, hot	Ascending, partially submerged, growing invasively Rheophytic leaves, hollow stem, green stem tinged with purple at the node
		Muddy deep ditch	Ascending, grows upright Long and whitish rootless at the node, narrowly elliptic leaves Ascending, grows upright Elliptic leaves, sessile inflorescence
	Perak	Old mining pond	Floating on edge of open, among thickets of floating Polygonum, Ludwigia & other sedges.
	Penang	Ditch along the roadside	Erect, sessile inflorescence, white flowers
	Kedah	Wasteland	Elliptic leaves, purplish stem

Appendix 3.1: Continued

Species	State	Habitat	Habit
<i>A. sessilis</i> 'Red'	Kuala Lumpur	Cultivated on the ground	Creeping or decumbent, forming a mat Red stem, leaf variable in shape and size, sessile inflorescence, red flower.
		Cultivated in the pot	Creeping or decumbent, Red stem, leaf variable in shape and size, sessile inflorescence, red flower.
		Cultivated in the pot	Creeping or decumbent Red stem, leaf variable in shape and size, sessile inflorescence, red flower.
	Selangor	Cultivated on the ground	Creeping or decumbent, rarely ascending Red stem, leaf variable in shape and size, sessile inflorescence, red flower.
<i>A. paronychioides</i>	Selangor	Hot and dry, along the roadside	Prostrate and forming a dense mat Widely branched on the sandy loam soil. Young stem internodes densely covered by flexuous long hairs, sessile inflorescence, white flower.
		Hot and dry, along the road side near oil palm canal	Prostrate and forming a dense mat
<i>A. brasiliana</i>	Kuala Lumpur	Naturalized, shady	Shrub, decumbent at the base and growing upright. Red leave, creamy and pedunculate inflorescence.
	Selangor	Naturalized, hot and dry, along the road side	
	Johor	Naturalized, hot, along the road side near to oil palm plantation	Shrub, growing gregariously. Red leave, creamy and pedunculate inflorescence.
<i>A. ficoidea</i>	Selangor	Shady, wet, beside ditch Dry, open area	Ascending, decumbent Green stem tinged with purple at the node, sessile and creamy white inflorescence

Appendix 3.1: Continued

Species	State	Habitat	Habit
<i>A.betzickiana</i>	Selangor	Cultivated on the ground as an ornamental plant Green and undulate leave, sessile and creamy white inflorescence	
	Putrajaya	Cultivated on the ground as an ornamental plant Green and undulate leave, young stem densely covered by appressed hairs, sessile and creamy white inflorescence	Erect, ascending
	Kuala Lumpur	Cultivated on the ground as an ornamental plant Green and variegated with white leave, young stem densely covered by appressed hairs, sessile and creamy white inflorescence	Erect, ascending
	Kuala Lumpur	Cultivated on the ground as an ornamental plant Green and undulate leave, young stem densely covered by appressed hairs, sessile and creamy white inflorescence	Erect, ascending