



Supplement

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Table S1. Biodiversity indices and how to interpret their values.

Index	Equation	Value Interpretation
Species Importance Value Index (1 – 7)	$D_i = \frac{\sum n_i}{\sum A_k} ; F_i = \frac{\sum J_i}{K} ; BAT_i = \frac{CCH}{4\pi}$ $RD_i = \frac{\sum n_i}{N} \times 100 ; RF_i = \frac{F_i}{\sum F_i} ; RBAT_i = \frac{\sum BAT_i}{BAT}$ $SIVI_i = \begin{cases} \frac{RD_i + RF_i}{2} \times 100, i = us, ff \\ \frac{RD_i + RF_i + RBAT_i}{3} \times 100, i = c \end{cases}$	The highest values signify higher species importance or dominance (ranges from 0 to 100).
Shannon-Wiener Diversity Index (8)	$H' = - \sum_{i=1}^s \left[\left(\frac{n_i}{N} \right) \cdot \ln \left(\frac{n_i}{N} \right) \right]$	0 – 1.99 (exceedingly low diversity; H'--) 2.00 – 2.49 (low diversity; H'-) 2.50 – 2.99 (moderate diversity; H') 3.00 – 3.49 (high diversity; H'+) 3.50 and above (exceedingly high diversity; H'++) (Fernando, 1998)
Gini-Simpson Index of Diversity (9)	$D = 1 - \sum_{i=1}^s \frac{n_i(n_i - 1)}{N(N - 1)}$	0 (absence of diversity; D0) 0.01 – 0.20 (very low diversity; D--) 0.21 – 0.40 (low diversity; D-) 0.41 – 0.60 (moderate diversity; D) 0.61 – 0.80 (high diversity; D+) 0.81-0.99 (very high diversity; D++) 1 (infinite diversity; D ∞) (modified from Napaldet, 2023)
Pielou Equitability Index (10)	$E = \frac{H'}{\ln(s)}$	0 (no evenness; E0) 0.01 – 0.20 (exceedingly low evenness; E--) 0.21 – 0.40 (low evenness; E-) 0.41 – 0.60 (moderate evenness; E) 0.61 – 0.80 (high evenness; E+) 0.81-0.99 (very high evenness; E++) 1 (perfect evenness; E ∞) (modified from Napaldet, 2023)
Margalef Index of Richness (11)	$R = \frac{(s - 1)}{\ln(N)}$	0 – 2.05 (low richness; R-) 2.06 – 5.00 (moderate richness; R) 5.00 and above (high richness; R+) (Hussain <i>et al.</i> , 2012)
Bray Curtis Dissimilarity Index(12)	$BCDI_{jk} = 1 - \frac{2 \sum_{i=1}^p (N_{ij}, N_{ik})_{min}}{\sum_{i=1}^p (N_{ij} + N_{ik})}$	The values range from 0 (same species composition for both stations) to 1 (completely different species composition for both stations).
Endemicity Index (13)	$EI = \frac{\left(\frac{\sum_{i=1}^n (w_c \cdot E_{ci})}{\sum_{i=1}^n w_c} \right) - E_{cmin}}{E_{cmax} - E_{cmin}}$	0 – 20 (very high presence of exotics; EI--) 21 – 40 (high presence of non-natives; EI-) 41 – 60 (moderate presence of natives and non-natives; EI) 61 – 80 (high presence of natives, especially endemics; EI+) 81 – 100 (very high presence of endemics; EI++) (Bullong <i>et al.</i> , 2024)
Conservation Importance Index (14)	$CII = \frac{\left(\frac{\sum_{i=1}^n (w_c \cdot Cl_{ci})}{\sum_{i=1}^n w_c} \right) - Cl_{cmin}}{Cl_{cmax} - Cl_{cmin}}$	0 – 20 (very high presence of least concerned species; CII--) 21 – 40 (high presence of near threatened species; CII-) 41 – 60 (moderate presence of threatened species; CII) 61 – 80 (high presence of threatened species; CII+) 81 – 100 (very high presence of critically threatened species; CII++) (Bullong <i>et al.</i> , 2024)

Note: The following variables used in the equations are as follows: D_i – species crude density; A_k – area of plot k ; F_i – species frequency; J_i – number of plots where species i is present; K – total number of sampling plots; BAT_i – basal area of tree i ; RD_i – relative density of species i ; RF_i – relative frequency of species i ; $RBAT_i$ – relative basal area of tree i ; BAT – basal area of all tree species; ss – understory species; ff – forest floor species; c – canopy species; n_i – total number of individuals of species i ; N – total number of individuals of all species; $BCDI_{jk}$ – dissimilarity index between stations j and k ; $\sum_{i=1}^p (N_{ij}, N_{ik})_{min}$ – summation of the minimum counts of species i for stations j and k ; p – total number of species in the sample; s – total number of species or species richness; n – number of categories; w_c – number of species under category c ; E_{ci} – endemicity score for category c , i.e., 3 for endemic, 2 for indigenous, 1 for naturalized, and 0.5 for cultivated (not naturalized); E_{cmin} – minimum value of E_{ci} ; E_{cmax} – maximum value of E_{ci} ; Cl_{ci} – conservation importance score for category c , i.e., 5 for critically endangered, 4 for endangered, 3 for vulnerable, data deficient, and not evaluated; 2 for near threatened, and 1 for least concern; Cl_{cmin} – minimum value of Cl_{ci} ; Cl_{cmax} – maximum value of Cl_{ci} . Index value interpretations are enclosed in parentheses together with their shorthand symbol denoted after the semicolon.



Table S2. Species endemicity and conservation status of identified species in the study site.

Family	Species Name	Endemicity	Conservation Status (DAO 2017-11)	Conservation Status (IUCN Red List)
Acanthaceae	<i>Asystasia gangetica</i> (L.) T.Anderson	Naturalized	Uncategorized	Not Evaluated
Acanthaceae	<i>Avicennia marina</i> (Forssk.) Vierh.	Indigenous	Other wildlife species	Not Evaluated
Aizoaceae	<i>Sesuvium portulacastrum</i> (L.) L.	Indigenous	Other wildlife species	Least Concern
Aizoaceae	<i>Trianthema portulacastrum</i> L.	Indigenous	Other wildlife species	Not Evaluated
Amaranthaceae	<i>Alternanthera sessilis</i> (L.) DC.	Indigenous	Vulnerable	Least Concern
Anacardiaceae	<i>Mangifera indica</i> L.	Naturalized	Uncategorized	Data Deficient
Annonaceae	<i>Annona squamosa</i> L.	Naturalized	Uncategorized	Least Concern
Annonaceae	<i>Monoon longifolium</i> (Sonn.) B.Xue & R.M.K.Saunders	Cultivated	Uncategorized	Least Concern
Apocynaceae	<i>Tabernaemontana pandacaqui</i> Poir.	Indigenous	Other wildlife species	Least Concern
Araceae	<i>Colocasia esculenta</i> (L.) Schott	Indigenous	Other wildlife species	Not Evaluated
Araceae	<i>Zamioculcas zamiifolia</i> (G.Lodd.) Engl.	Cultivated	Uncategorized	Not Evaluated
Arecaceae	<i>Cocos nucifera</i> L.	Indigenous	Other wildlife species	Not Evaluated
Arecaceae	<i>Nypa fruticans</i> Wurm	Indigenous	Other wildlife species	Least Concern
Asteraceae	<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob.	Naturalized	Uncategorized	Not Evaluated
Asteraceae	<i>Synedrella nodiflora</i> (L.) Gaertn.	Naturalized	Uncategorized	Not Evaluated
Combretaceae	<i>Terminalia catappa</i> L.	Indigenous	Other wildlife species	Least Concern
Commelinaceae	<i>Commelina benghalensis</i> L.	Indigenous	Other wildlife species	Not Evaluated
Commelinaceae	<i>Murdannia nudiflora</i> (L.) Brenan	Naturalized	Uncategorized	Not Evaluated
Convolvulaceae	<i>Ipomoea aquatica</i> Forssk.	Endemic	Other wildlife species	Least Concern
Convolvulaceae	<i>Ipomoea littoralis</i> Blume	Indigenous	Other wildlife species	Least Concern
Convolvulaceae	<i>Ipomoea pes-caprae</i> (L.) R.Br.	Endemic	Other wildlife species	Least Concern
Convolvulaceae	<i>Ipomoea purpurea</i> (L.) Roth	Cultivated	Uncategorized	Not Evaluated
Cucurbitaceae	<i>Coccinia grandis</i> (L.) Voigt	Endemic	Other wildlife species	Not Evaluated
Euphorbiaceae	<i>Acalypha indica</i> L.	Indigenous	Other wildlife species	Not Evaluated
Euphorbiaceae	<i>Macaranga tanarius</i> (L.) Müll.Arg.	Indigenous	Other wildlife species	Least Concern
Euphorbiaceae	<i>Melanolepis multiglandulosa</i> (Reinw. ex Blume) Rchb. & Zoll.	Indigenous	Other wildlife species	Least Concern
Fabaceae	<i>Acacia confusa</i> Merr.	Indigenous	Other threatened species	Least Concern
Fabaceae	<i>Brachypterum scandens</i> (Roxb.) Wight & Arn. ex Miq.	Indigenous	Other wildlife species	Not Evaluated
Fabaceae	<i>Canavalia cathartica</i> Thouars	Indigenous	Other wildlife species	Not Evaluated
Fabaceae	<i>Codariocalyx motorius</i> (Houtt.) H.Ohashi	Indigenous	Other wildlife species	Not Evaluated
Fabaceae	<i>Inga edulis</i> Mart.	Naturalized	Uncategorized	Not Evaluated
Fabaceae	<i>Leucaena leucocephala</i> (Lam.) de Wit	Naturalized	Uncategorized	Not Evaluated
Fabaceae	<i>Samanea saman</i> (Jacq.) Merr.	Naturalized	Uncategorized	Least Concern
Fabaceae	<i>Vachellia farnesiana</i> (L.) Wight & Arn.	Naturalized	Uncategorized	Least Concern
Lamiaceae	<i>Gmelina arborea</i> Roxb. ex Sm.	Naturalized	Uncategorized	Not Evaluated
Lythraceae	<i>Sonneratia alba</i> Sm.	Indigenous	Other wildlife species	Least Concern
Malvaceae	<i>Commersonia bartramia</i> (L.) Merr.	Indigenous	Other wildlife species	Not Evaluated
Malvaceae	<i>Corchorus olitorius</i> L.	Naturalized	Uncategorized	Not Evaluated
Malvaceae	<i>Sida acuta</i> Burm.f.	Naturalized	Uncategorized	Not Evaluated
Meliaceae	<i>Azadirachta indica</i> A.Juss.	Naturalized	Uncategorized	Least Concern
Meliaceae	<i>Swietenia macrophylla</i> King	Naturalized	Uncategorized	Endangered
Moraceae	<i>Allaeanthus luzonicus</i> (Blanco) Fern.-Vill.	Endemic	Other wildlife species	Not Evaluated
Moraceae	<i>Artocarpus heterophyllus</i> Lam.	Naturalized	Other threatened species	Not Evaluated
Moraceae	<i>Ficus benjamina</i> L.	Indigenous	Other wildlife species	Not Evaluated
Moraceae	<i>Ficus septica</i> Burm.f.	Indigenous	Other wildlife species	Not Evaluated
Moraceae	<i>Ficus ulmifolia</i> Lam.	Endemic	Vulnerable	Not Evaluated
Musaceae	<i>Musa × paradisiaca</i> L.	Naturalized	Uncategorized	Not Evaluated
Musaceae	<i>Musa acuminata</i> Colla	Endemic	Other wildlife species	Not Evaluated
Poaceae	<i>Cenchrus purpureus</i> (Schumach.) Morrone	Naturalized	Uncategorized	Least Concern
Poaceae	<i>Chloris barbata</i> Sw.	Indigenous	Other wildlife species	Not Evaluated
Poaceae	<i>Cynodon dactylon</i> (L.) Pers.	Endemic	Other wildlife species	Not Evaluated
Poaceae	<i>Eleusine indica</i> (L.) Gaertn.	Naturalized	Uncategorized	Least Concern
Poaceae	<i>Panicum repens</i> L.	Indigenous	Other wildlife species	Least Concern
Polygonaceae	<i>Antigonon leptopus</i> Hook. & Arn.	Naturalized	Uncategorized	Not Evaluated
Rhizophoraceae	<i>Rhizophora mucronata</i> Poir.	Indigenous	Other wildlife species	Least Concern
Rubiaceae	<i>Kanapia monstrosa</i> (A.Rich.) Arriola & Alejandro	Endemic	Other wildlife species	Not Evaluated
Rutaceae	<i>Citrus × microcarpa</i> Bunge	Naturalized	Uncategorized	Not Evaluated
Rutaceae	<i>Citrus maxima</i> (Burm.) Merr.	Cultivated	Uncategorized	Not Evaluated
Sapotaceae	<i>Manilkara zapota</i> (L.) P.Royen	Cultivated	Uncategorized	Least Concern

**Table S3.** Floristic elements of the identified taxa in the study area at the generic level.

Genus Name	Floristic Element
<i>Acacia</i>	Australian-Madagascan-Malesian agglomerate
<i>Acalypha</i>	Cosmopolitan
<i>Allaeanthus</i>	Indomalesian-Madagascan disjunction
<i>Alternanthera</i>	Paleotropical
<i>Annona</i>	African-Neotropical disjunction
<i>Antigonon</i>	Caribbean
<i>Artocarpus</i>	Indomalesian-Australian diffusion
<i>Asystasia</i>	Paleotropical
<i>Avicennia</i>	Pantropical
<i>Azadirachta</i>	Indomalesian-Indochinese diffusion
<i>Brachypterum</i>	Indomalesian-Australian diffusion
<i>Canavalia</i>	Pantropical
<i>Cenchrus</i>	Cosmopolitan
<i>Chloris</i>	Pantropical
<i>Chromolaena</i>	Neotropical
<i>Citrus</i>	Indomalesian-Australian diffusion
<i>Asystasia</i>	Paleotropical
<i>Cocos</i>	Malesian-Australian diffusion
<i>Codariocalyx</i>	Indomalesian
<i>Colocasia</i>	Indomalesian
<i>Commelina</i>	Pantropical-Eastern Asiatic diffusion
<i>Commersonia</i>	Indopacific-Eastern African disjunction
<i>Corchorus</i>	Pantropical
<i>Cynodon</i>	Paleopolitan
<i>Eleusine</i>	Pantropical
<i>Ficus</i>	Pantropical
<i>Gmelina</i>	Indomalesian-Australian diffusion
<i>Inga</i>	Neotropical
<i>Ipomoea</i>	Pantropical
<i>Kanapia</i>	Philippinean-Sulawesian diffusion
<i>Leucaena</i>	Caribbean
<i>Macaranga</i>	Indomalesian-Australian-African agglomerate
<i>Mangifera</i>	Indomalesian
<i>Manilkara</i>	Pantropical
<i>Melanolepis</i>	Malesian
<i>Monoon</i>	Indomalesian-Australian diffusion
<i>Murdannia</i>	Pantropical-Eastern Asiatic diffusion
<i>Musa</i>	Indopacific-Australian diffusion
<i>Nypa</i>	Indomalesian-Australian diffusion
<i>Panicum</i>	Cosmopolitan
<i>Rhizophora</i>	Pantropical
<i>Samanea</i>	Neotropical-Central African disjunction
<i>Sesuvium</i>	Pantropical
<i>Sida</i>	Pantropical
<i>Sonneratia</i>	Indomalesian-Australian-Eastern African agglomerate
<i>Swietenia</i>	Neotropical
<i>Synedrella</i>	Neotropical
<i>Tabernaemontana</i>	Pantropical
<i>Terminalia</i>	Pantropical
<i>Trianthema</i>	Pantropical
<i>Vachellia</i>	Pantropical
<i>Zamioculcas</i>	Eastern Africa



Table S4. Floristic elements of the identified taxa in the study area at the specific level.

Species Name	Floristic Element
<i>Acacia confusa</i> Merr.	Malesian
<i>Acalypha indica</i> L.	African-Indomalesian diffusion
<i>Allaeanthus luzonicus</i> (Blanco) Fern.-Vill.	Endemic
<i>Alternanthera sessilis</i> (L.) DC.	Indomalesian-Eastern Asiatic-Neotropical-Northeast Australian agglomerate
<i>Annona squamosa</i> L.	Caribbean
<i>Antigonon leptopus</i> Hook. & Arn.	Caribbean
<i>Artocarpus heterophyllus</i> Lam.	Indian
<i>Asystasia gangetica</i> (L.) T. Anderson	Indian-Indochinese-Northeast Australian-Papuan-Polynesian agglomerate
<i>Avicennia marina</i> (Forssk.) Vierh.	Australian-Paleotropical diffusion
<i>Azadirachta indica</i> A. Juss.	Indochinese
<i>Brachypterum scandens</i> (Roxb.) Wight & Arn. ex Miq.	Indomalesian-Northeast Australian diffusion
<i>Canavalia cathartica</i> Thouars	Indomalesian-Northeast Australian-Sudano-Zambesian agglomerate
<i>Cenchrus purpureus</i> (Schumach.) Morrone	African
<i>Chloris barbata</i> Sw.	Paleotropical
<i>Chromolaena odorata</i> (L.) R.M.King & H. Rob.	Neotropical
<i>Citrus × microcarpa</i> Bunge	Southeastern Chinese
<i>Citrus maxima</i> (Burm.) Merr.	Indochinese
<i>Coccinia grandis</i> (L.) Voigt	Endemic
<i>Cocos nucifera</i> L.	Philippinean-Papuan-North Australian agglomerate
<i>Codariocalyx motorius</i> (Houtt.) H. Ohashi	Indomalesian
<i>Colocasia esculenta</i> (L.) Schott	Indian-Indochinese-South Malesian agglomerate
<i>Commelina benghalensis</i> L.	Paleotropical-Eastern Asiatic diffusion
<i>Commersonia bartramia</i> (L.) Merr.	Indochinese-Malesian-Northeast Australian diffusion
<i>Corchorus olitorius</i> L.	Paleotropical
<i>Cynodon dactylon</i> (L.) Pers.	Endemic
<i>Eleusine indica</i> (L.) Gaertn.	Paleotropical-Eastern Asiatic diffusion
<i>Ficus benjamina</i> L.	Indomalesian-Northeast Australian diffusion
<i>Ficus septica</i> Burm.f.	Malesian-North Australian diffusion
<i>Ficus ulmifolia</i> Lam.	Endemic
<i>Gmelina arborea</i> Roxb. ex Sm.	Indian-Indochinese diffusion
<i>Inga edulis</i> Mart.	Neotropical
<i>Ipomoea aquatica</i> Forssk.	Endemic
<i>Ipomoea littoralis</i> Blume	Indomalesian-Madagascan-North Australian agglomerate
<i>Ipomoea pes-caprae</i> (L.) R.Br.	Endemic
<i>Ipomoea purpurea</i> (L.) Roth	Neotropical
<i>Kanapia monstrosa</i> (A. Rich.) Arriola & Alejandro	Endemic
<i>Leucaena leucocephala</i> (Lam.) de Wit	Caribbean
<i>Macaranga tanarius</i> (L.) Müll. Arg.	Malesian-North Australian diffusion
<i>Mangifera indica</i> L.	Indochinese
<i>Manilkara zapota</i> (L.) P. Royen	Caribbean
<i>Melanolepis multiglandulosa</i> (Reinw. ex Blume) Rchb. & Zoll.	Malesian
<i>Monoon longifolium</i> (Sonn.) B. Xue & R.M.K. Saunders	Indian
<i>Murdannia nudiflora</i> (L.) Brenan	Indomalesian-Southwest Australian
<i>Musa × paradisiaca</i> L.	Philippinean-Malay disjunction
<i>Musa acuminata</i> Colla	Endemic
<i>Nypa fruticans</i> Wurm	Indomalesian-Northeast Australian diffusion
<i>Panicum repens</i> L.	Paleotropical-Eastern Asiatic-Northeast Australian agglomerate
<i>Rhizophora mucronata</i> Poir.	African-Indomalesian-Northeast Australian agglomerate
<i>Samanea saman</i> (Jacq.) Merr.	Caribbean
<i>Sesuvium portulacastrum</i> (L.) L.	Pantropical
<i>Sida acuta</i> Burm.f.	African-Indian-Indochinese-Neotropical agglomerate
<i>Sonneratia alba</i> Sm.	Australian-Indomalesian-Madagascan-Zambesian agglomerate
<i>Swietenia macrophylla</i> King	Neotropical
<i>Synedrella nodiflora</i> (L.) Gaertn.	Neotropical
<i>Tabernaemontana pandacqui</i> Poir.	Australian-Malesian diffusion
<i>Terminalia catappa</i> L.	Indomalesian-Madagascan-North Australian agglomerate
<i>Trianthema portulacastrum</i> L.	Paleotropical
<i>Vachellia farnesiana</i> (L.) Wight & Arn.	Neotropical
<i>Zamioculcas zamiifolia</i> (G. Lodd.) Engl.	Zambesian

**Table S5.** Importance value index of the canopy species of the study site.

Species Name	TBAi	ni	Di	Ji	Fi	RBAi	RDi	RFi	SIVli	Rank
<i>Acacia confusa</i> Merr.	1996.201	1	0.0002083	1	0.0833333	4.1223	0.5814	2.0408	2.2482	7
<i>Artocarpus heterophyllus</i> Lam.	1303.797	1	0.0002083	1	0.0833333	2.6924	0.5814	2.0408	1.7716	10
<i>Avicennia marina</i> (Forssk.) Vierh.	10484.511	51	0.0106250	12	1.0000000	21.6513	29.6512	24.4898	25.2641	1
<i>Azadirachta indica</i> A.Juss.	1139.868	2	0.0004167	2	0.1666667	2.3539	1.1628	4.0816	2.5328	6
<i>Citrus maxima</i> (Burm.) Merr.	45.837	1	0.0002083	1	0.0833333	0.0947	0.5814	2.0408	0.9056	19
<i>Cocos nucifera</i> L.	6410.682	11	0.0022917	5	0.4166667	13.2385	6.3953	10.2041	9.9460	4
<i>Commersonia bartramia</i> (L.) Merr.	484.149	1	0.0002083	1	0.0833333	0.9998	0.5814	2.0408	1.2073	14
<i>Gmelina arborea</i> Roxb. ex Sm.	894.132	1	0.0002083	1	0.0833333	1.8465	0.5814	2.0408	1.4896	13
<i>Inga edulis</i> Mart.	904.159	1	0.0002083	1	0.0833333	1.8672	0.5814	2.0408	1.4965	12
<i>Leucaena leucocephala</i> (Lam.) de Wit	60.001	2	0.0004167	2	0.1666667	0.1239	1.1628	4.0816	1.7894	9
<i>Macaranga tanarius</i> (L.) Müll.Arg.	172.285	1	0.0002083	1	0.0833333	0.3558	0.5814	2.0408	0.9927	16
<i>Mangifera indica</i> L.	1662.373	2	0.0004167	1	0.0833333	3.4329	1.1628	2.0408	2.2122	8
<i>Manilkara zapota</i> (L.) P.Royen	86.660	1	0.0002083	1	0.0833333	0.1790	0.5814	2.0408	0.9337	17
<i>Rhizophora mucronata</i> Poir.	6196.797	63	0.0131250	7	0.5833333	12.7969	36.6279	14.2857	21.2368	2
<i>Samanea saman</i> (Jacq.) Merr.	3181.587	2	0.0004167	2	0.1666667	6.5702	1.1628	4.0816	3.9382	5
<i>Sonneratia alba</i> Sm.	11946.886	28	0.0058333	7	0.5833333	24.6712	16.2791	14.2857	18.4120	3
<i>Swietenia macrophylla</i> King	1145.916	1	0.0002083	1	0.0833333	2.3664	0.5814	2.0408	1.6629	11
<i>Terminalia catappa</i> L.	76.474	1	0.0002083	1	0.0833333	0.1579	0.5814	2.0408	0.9267	18
<i>Vachellia farnesiana</i> (L.) Wight & Arn.	232.048	1	0.0002083	1	0.0833333	0.4792	0.5814	2.0408	1.0338	15

Table S6. Importance value index of the understory species of the study site.

Species Name	ni	Di	Ji	Fi	RDi	RFi	SIVli	Rank
<i>Allaeanthus luzonicus</i> (Blanco) Fern.-Vill.	3	0.0050000	1	0.0416667	2.7027	2.0408	2.3718	11.5
<i>Annona squamosa</i> L.	2	0.0033333	2	0.0833333	1.8018	4.0816	2.9417	9
<i>Avicennia marina</i> (Forssk.) Vierh.	13	0.0216667	6	0.2500000	11.7117	12.2449	11.9783	3
<i>Cenchrus purpureus</i> (Schumach.) Morrone	2	0.0033333	1	0.0416667	1.8018	2.0408	1.9213	13.5
<i>Citrus × microcarpa</i> Bunge	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Cocos nucifera</i> L.	2	0.0033333	2	0.0833333	1.8018	4.0816	2.9417	9
<i>Ficus septica</i> Burm.f.	2	0.0033333	2	0.0833333	1.8018	4.0816	2.9417	9
<i>Ficus ulmifolia</i> Lam.	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Kanapia monstrosa</i> (A.Rich.) Arriola & Alejandro	3	0.0050000	1	0.0416667	2.7027	2.0408	2.3718	11.5
<i>Leucaena leucocephala</i> (Lam.) de Wit	6	0.0100000	2	0.0833333	5.4054	4.0816	4.7435	7
<i>Macaranga tanarius</i> (L.) Müll.Arg.	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Melanolepis multiglandulosa</i> (Reinw. ex Blume) Rchb. & Zoll.	9	0.0150000	3	0.1250000	8.1081	6.1224	7.1153	4
<i>Musa × paradisiaca</i> L.	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Musa acuminata</i> Colla	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Nypa fruticans</i> Wumb	8	0.0133333	3	0.1250000	7.2072	6.1224	6.6648	5
<i>Rhizophora mucronata</i> Poir.	29	0.0483333	10	0.4166667	26.1261	20.4082	23.2671	1
<i>Sonneratia alba</i> Sm.	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Swietenia macrophylla</i> King	1	0.0016667	1	0.0416667	0.9009	2.0408	1.4709	18
<i>Tabernaemontana pandacqui</i> Poir.	2	0.0033333	1	0.0416667	1.8018	2.0408	1.9213	13.5
<i>Terminalia catappa</i> L.	5	0.0083333	3	0.1250000	4.5045	6.1224	5.3135	6
<i>Vachellia farnesiana</i> (L.) Wight & Arn.	18	0.0300000	5	0.2083333	16.2162	10.2041	13.2101	2



Table S7. Importance value index of the forest floor species of the study site.

Species Name	ni	Di	Ji	Fi	RDi	RFi	SIVli	Rank
<i>Acalypha indica</i> L.	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18
<i>Alternanthera sessilis</i> (L.) DC.	12	0.3333333	3	0.0833333	7.5000	5.6604	6.5802	4
<i>Antigonon leptopus</i> Hook. & Arn.	6	0.1666667	2	0.0555556	3.7500	3.7736	3.7618	7.5
<i>Asystasia gangetica</i> (L.) T.Anderson	6	0.1666667	2	0.0555556	3.7500	3.7736	3.7618	7.5
<i>Brachypterum scandens</i> (Roxb.) Wight & Arn. ex Miq.	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Canavalia cathartica</i> Thouars	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Cenchrus purpureus</i> (Schumach.) Morrone	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18
<i>Chloris barbata</i> Sw.	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Chromolaena odorata</i> (L.) R.M.King & H.Rob.	2	0.0555556	1	0.0277778	1.2500	1.8868	1.5684	23.5
<i>Coccinia grandis</i> (L.) Voigt	14	0.3888889	7	0.1944444	8.7500	13.2075	10.9788	1
<i>Codariocalyx motorius</i> (Houtt.) H.Ohashi	4	0.1111111	2	0.0555556	2.5000	3.7736	3.1368	10
<i>Colocasia esculenta</i> (L.) Schott	7	0.1944444	1	0.0277778	4.3750	1.8868	3.1309	11
<i>Commelina benghalensis</i> L.	3	0.0833333	2	0.0555556	1.8750	3.7736	2.8243	12
<i>Corchorus olitorius</i> L.	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Cynodon dactylon</i> (L.) Pers.	2	0.0555556	2	0.0555556	1.2500	3.7736	2.5118	13
<i>Eleusine indica</i> (L.) Gaertn.	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Ficus benjamina</i> L.	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Ficus septica</i> Burm.f.	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18
<i>Ipomoea aquatica</i> Forssk.	2	0.0555556	1	0.0277778	1.2500	1.8868	1.5684	23.5
<i>Ipomoea littoralis</i> Blume	5	0.1388889	2	0.0555556	3.1250	3.7736	3.4493	9
<i>Ipomoea pes-caprae</i> (L.) R.Br.	2	0.0555556	1	0.0277778	1.2500	1.8868	1.5684	23.5
<i>Ipomoea purpurea</i> (L.) Roth	2	0.0555556	1	0.0277778	1.2500	1.8868	1.5684	23.5
<i>Monoon longifolium</i> (Sonn.) B.Xue & R.M.K.Saunders	1	0.0277778	1	0.0277778	0.6250	1.8868	1.2559	29
<i>Murdannia nudiflora</i> (L.) Brenan	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18
<i>Panicum repens</i> L.	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18
<i>Rhizophora mucronata</i> Poir.	23	0.6388889	4	0.1111111	14.3750	7.5472	10.9611	2
<i>Sesuvium portulacastrum</i> (L.) L.	10	0.2777778	1	0.0277778	6.2500	1.8868	4.0684	6
<i>Sida acuta</i> Burm.f.	20	0.5555556	3	0.0833333	12.5000	5.6604	9.0802	3
<i>Sonneratia alba</i> Sm.	7	0.1944444	3	0.0833333	4.3750	5.6604	5.0177	5
<i>Synedrella nodiflora</i> (L.) Gaertn.	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18
<i>Trianthema portulacastrum</i> L.	5	0.1388889	1	0.0277778	3.1250	1.8868	2.5059	14
<i>Zamioculcas zamiifolia</i> (G.Lodd.) Engl.	3	0.0833333	1	0.0277778	1.8750	1.8868	1.8809	18