

Supplemental Tables**Sup. Table 1.** Summary of data collected through KupuKita platform during March-November 2022

	Green spaces	Homegardens	Parks	Roadsides
Number of submissions	658	867	526	250
%	28.6	37.7	22.9	10.9
Number of species	46	50	48	37
Papilionidae	9	10	8	7
Pieridae	6	6	6	6
Nymphalidae	31	34	34	24
Urban-generalist species	4	4	4	4
Urban-tolerant/frequent species	7	7	7	7
Rare/sporadic species	35	39	37	26

Sup. Table 2. List of butterfly species with encounter rates and cluster membership. Species identification was based on Corbet and Pendlebury (1992); Peggie and Amir (2006).

Family	Species	Homegardens	Green spaces	Parks	Roads	Cluster
Nymphalidae	<i>Acraea violae</i>	0.012	0.018	0.027	0.028	1
	<i>Amathusia phidippus</i>	0.008	0.009	0.006	0.004	1
	<i>Ariadne ariadne</i>	0.010	0.011	0.008	0.012	1
	<i>Cyrestis lutea</i>	0.001	0.000	0.004	0.000	1
	<i>Danaus chrysippus</i>	0.013	0.003	0.015	0.056	1
	<i>Doleschalia bisaltide</i>	0.022	0.038	0.019	0.012	1
	<i>Elymnias hypermnestra</i>	0.047	0.023	0.029	0.024	3
	<i>Elymnias nesaea</i>	0.002	0.005	0.002	0.000	1
	<i>Euploea mulciber</i>	0.012	0.027	0.030	0.008	1
	<i>Euthalia aconthea</i>	0.009	0.008	0.010	0.004	1
	<i>Euthalia adonia</i>	0.008	0.012	0.004	0.000	1
	<i>Hypolimnas bolina</i>	0.084	0.071	0.082	0.052	2
	<i>Ideopsis juvena</i>	0.006	0.015	0.008	0.012	1
	<i>Junonia almana</i>	0.001	0.008	0.013	0.008	1
	<i>Junonia athlites</i>	0.014	0.011	0.010	0.036	1
	<i>Junonia erigone</i>	0.005	0.002	0.004	0.008	1
	<i>Junonia hedonia</i>	0.027	0.043	0.032	0.048	3
	<i>Junonia iphita</i>	0.007	0.020	0.010	0.000	1
	<i>Junonia orithya</i>	0.023	0.027	0.065	0.068	3
	<i>Lethe europa</i>	0.002	0.003	0.006	0.004	1
	<i>Melanitis ieda</i>	0.008	0.017	0.008	0.000	1
	<i>Moduza procris</i>	0.005	0.000	0.008	0.004	1
	<i>Mycalesis janardana</i>	0.005	0.015	0.011	0.000	1
	<i>Mycalesis mineus</i>	0.002	0.017	0.008	0.000	1
	<i>Mycalesis orseis</i>	0.002	0.006	0.004	0.004	1
	<i>Mycalesis perseus</i>	0.003	0.029	0.011	0.012	1
	<i>Neptis hylas</i>	0.012	0.030	0.017	0.044	1
	<i>Phaedyra columella</i>	0.013	0.020	0.021	0.008	1
	<i>Phalanta phalantha</i>	0.001	0.003	0.004	0.000	1
	<i>Polyura athamas</i>	0.002	0.002	0.002	0.000	1
	<i>Polyura hebe</i>	0.002	0.000	0.002	0.000	1
	<i>Ypthima baldus</i>	0.018	0.052	0.030	0.016	1
	<i>Ypthima horsfieldii</i>	0.008	0.009	0.008	0.004	1
	<i>Ypthima philomela</i>	0.015	0.018	0.006	0.012	1
Papilionidae	<i>Graphium agamemnon</i>	0.044	0.044	0.025	0.044	3

Pieridae	<i>Graphium antiphates</i>	0.002	0.000	0.000	0.000	1
	<i>Graphium doson</i>	0.028	0.014	0.034	0.016	1
	<i>Graphium sarpedon</i>	0.012	0.008	0.002	0.012	1
	<i>Losaria coon</i>	0.002	0.003	0.000	0.000	1
	<i>Pachliopta aristolochiae</i>	0.005	0.003	0.002	0.004	1
	<i>Papilio demoleus</i>	0.061	0.017	0.040	0.020	3
	<i>Papilio demolion</i>	0.015	0.003	0.006	0.004	1
	<i>Papilio memnon</i>	0.025	0.020	0.029	0.028	1
	<i>Papilio polytes</i>	0.013	0.027	0.011	0.000	1
	<i>Appias lyncida</i>	0.005	0.014	0.010	0.004	1
	<i>Appias olferna</i>	0.136	0.053	0.091	0.120	2
	<i>Catopsilia pomona</i>	0.021	0.032	0.044	0.064	3
	<i>Delias hyparete</i>	0.038	0.021	0.029	0.020	3
	<i>Eurema sp.</i>	0.069	0.078	0.078	0.092	2
	<i>Leptosia nina</i>	0.115	0.094	0.082	0.084	2

Sup. Table 3. Indicator species for green spaces, roadsides, green spaces + parks

Habitat	Species	stat	p.value	
Green spaces	<i>Leptosia nina</i>	0.387	0.0001	***
	<i>Eurema</i> sp.	0.302	0.0001	***
	<i>Neptis hylas</i>	0.28	0.0001	***
	<i>Ypthima baldus</i>	0.254	0.0002	***
	<i>Hypolimnas bolina</i>	0.218	0.0001	***
	<i>Graphium agamemnon</i>	0.209	0.0006	***
	<i>Doleschalia bisaltide</i>	0.2	0.0004	***
	<i>Mycalesis perseus</i>	0.189	0.0003	***
	<i>Junonia hedonia</i>	0.179	0.001	***
	<i>Mycalesis mineus</i>	0.151	0.0032	**
	<i>Euploea mulciber</i>	0.148	0.0064	**
	<i>Appias lyncida</i>	0.115	0.0373	*
Roads	<i>Danaus chrysippus</i>	0.199	0.0004	***
	<i>Catopsilia pomona</i>	0.179	0.0023	**
	<i>Junonia orithya</i>	0.125	0.0301	*
	<i>Junonia athlites</i>	0.124	0.0251	*
Green spaces + parks	<i>Papilio polytes</i>	0.125	0.0275	*
	<i>Junonia iphita</i>	0.117	0.0295	*