

Supplemental Tables

Sup. Table 1. List of bird species in each urban class at the study site

Feeding Guild	Common Name	Scientific Name	Conservation Status		Individual/Ha		
			IUCN	RRI	R	SU	U
Carnivorous	Blue-eared kingfisher	<i>Alcedo meninting</i>	LC	Not protected	-	0.03	0.05
	Cattle egret	<i>Bubulcus ibis</i>	LC	Not protected	1.03	0.01	-
	Greater coucal	<i>Centropus sinensis</i>	LC	Not protected	0.01	-	-
	Javan pond heron	<i>Ardeola speciosa</i>	LC	Not protected	1.30	0.22	0.09
Granivorous	Eurasian tree sparrow	<i>Passer montanus</i>	LC	Not protected	2.56	3.36	8.68
	Javan munia	<i>Lonchura leucogastroides</i>	LC	Not protected	20.68	18.70	10.55
	Scaly-breasted munia	<i>Lonchura punctulata</i>	LC	Not protected	3.02	3.61	1.22
	Spotted dove	<i>Spilopelia chinensis</i>	LC	Not protected	0.22	0.20	0.70
	Sunda collared dove	<i>Streptopelia bitorquata</i>	LC	Not protected	0.01	-	-
	White-headed munia	<i>Lonchura maja</i>	LC	Not protected	0.08	0.94	0.64
	Zebra dove	<i>Geopelia striata</i>	LC	Not protected	2.22	2.55	1.43
Insectivorous	Barn swallow	<i>Hirundo rustica</i>	LC	Not protected	-	0.13	-
	Bar-winged prinia	<i>Prinia familiaris</i>	NT	Not protected	0.06	0.04	-
	Brown prinia	<i>Prinia polychroa</i>	LC	Not protected	0.01	0.01	0.01
	Collared kingfisher	<i>Todirhamphus chloris</i>	LC	Not protected	0.31	0.20	0.01
	Common tailorbird	<i>Orthotomus sutorius</i>	LC	Not protected	1.04	0.51	0.18
	Fulvous-breasted woodpecker	<i>Dendrocopos macei</i>	LC	Not protected	0.01	-	-
	House swift	<i>Apus nipalensis</i>	LC	Not protected	-	0.20	-
	Sangkar white-eye	<i>Zosterops melanurus</i>	VU	Not protected	0.01	-	-
	Javan kingfisher	<i>Halcyon cyanoventris</i>	LC	Not protected	0.74	0.10	0.04
	Lesser coucal	<i>Centropus bengalensis</i>	LC	Not protected	0.08	0.01	-
	Long-tailed shrike	<i>Lanius schach</i>	LC	Not protected	0.04	-	0.01
	Malaysian pied fantail	<i>Rhipidura javanica</i>	LC	Protected	-	0.03	-
	Olive-backed tailorbird	<i>Orthotomus sepium</i>	LC	Not protected	0.06	0.06	0.01
	Pacific swallow	<i>Hirundo tahitica</i>	LC	Not protected	0.14	0.15	-
	Plain prinia	<i>Prinia inornata</i>	LC	Not protected	0.01	-	-
	Plaintive cuckoo	<i>Cacomantis merulinus</i>	LC	Not protected	0.17	0.15	0.03
	Rusty-breasted cuckoo	<i>Cacomantis sepulchralis</i>	LC	Not protected	0.08	0.04	-
	Small minivet	<i>Pericrocotus cinnamomeus</i>	LC	Not protected	0.05	0.01	-
	Sunda pygmy woodpecker	<i>Dendrocopos moluccensis</i>	LC	Not protected	0.05	-	-
	White-breasted woodswallow	<i>Artamus leucory</i>	LC	Not protected	0.31	0.13	0.06

	Zitting cisticola	<i>Cisticola juncidis</i>	LC	Not protected	1.11	0.71	0.05
Nectarivorous	Brown-throated sunbird	<i>Anthreptes malacensis</i>	LC	Not protected	0.03	-	-
	Little spiderhunter	<i>Arachnothera longirostra</i>	LC	Not protected	-	0.05	-
	Olive-backed sunbird	<i>Cinnyris jugularis</i>	LC	Not protected	0.48	0.54	0.27
Omnivorous	Barred buttonquail	<i>Turnix suscitator</i>	LC	Not protected	-	-	0.01
	Black-naped oriole	<i>Oriolus chinensis</i>	LC	Not protected	-	0.01	0.01
	Common iora	<i>Aegithina tiphia</i>	LC	Not protected	0.37	0.31	0.04
	Coppersmith barbet	<i>Psilopogon haemacephalus</i>	LC	Not protected	0.06	-	-
	Javan myna	<i>Acridotheres javanicus</i>	VU	Not protected	-	-	0.05
	Scarlet-headed flowerpecker	<i>Dicaeum trochileum</i>	LC	Not protected	0.28	0.39	0.43
	Short-tailed starling	<i>Aplonis minor</i>	LC	Not protected	0.01	-	-
	Sooty-headed bulbul	<i>Pycnonotus aurigaster</i>	LC	Not protected	4.43	3.96	1.17
	White-breasted waterhen	<i>Amaurornis phoenicurus</i>	LC	Not protected	0.03	0.11	0.03
	Yellow-vented bulbul	<i>Pycnonotus goiavier</i>	LC	Not protected	0.46	1.77	3.55

Note: Rural (**R**); Suburban (**SU**); Urban (**U**); Regulation of the Republic of Indonesia: Minister of Environment and Forestry Regulation No. P.106/MENLHK/SETJEN/KUM.1/12/2018 Year 2018 on the Second Amendment to the Minister of Environment and Forestry Regulation No. P.20/MENLHK/SETJEN/KUM.1/6/2018 on Protected Plant and Animal Species (**RRI**).

Sup. Table 2. Shannon-Wiener diversity values, species richness, and bird abundance in each urban class.

Urban Class	Shannon-Wiener Index	Species Richness	Density (Individual/Ha)
Rural	1.99	37	41.55
Suburban	1.97	33	39.26
Urban	1.81	26	29.32

Sup. Table 3. Bird community response to landscape-scale environmental factors.

Fixed Effect				
Parameter	Slope	Std. Error	Z Value	P-Value
Intercept	1.61984	0.02621	61.813	<2e-16 ***
LST	-0.11836	0.0334	-3.543	0.000395 ***
NDVI	0.14129	0.03278	4.310	1.63e-05 ***
Random Effect				
Groups		Name	Variance	Std.Dev
Grid Code		Intercept	7.617e-05	0.008728

Note: Res.Dev = Residual Deviance; df = Degree of Freedom; (*)P-Value<0.05, (**)P-Value<0.01, (***)P-Value<0.001