

Table S6: Population density of mammal species

No	Ordo	Famili	Spesies	Average	Max	Min	unit ind/	References
1	CARNIVORA	FELIDAE	Neofelis diardi	3.17 ± 2.38	9.00	0.58	100 km2	(Kuswanda dan Muhktar 2010; Brodie dan Giordano 2012; Cheyne <i>et al.</i> 2013; Maryani <i>et al.</i> 2014; Mandiri <i>et al.</i> 2016; Chiang 2017; Singh dan Macdonald 2017; Hearn <i>et al.</i> 2019; Naing <i>et al.</i> 2019; Ahmad <i>et al.</i> 2021; Haidir <i>et al.</i> 2021)
2	CARNIVORA	FELIDAE	Catopuma badia	3.58 ± 3.43	6.00	1.15	100 km2	(Kuswanda dan Muhktar 2010; Ahmad <i>et al.</i> 2021)
3	CARNIVORA	FELIDAE	Pardofelis marmorata	8.89 ± 6.02	19.70	2.26	100 km2	(Hearn <i>et al.</i> 2016; Singh dan Macdonald 2017; Naing <i>et al.</i> 2019; Ahmad <i>et al.</i> 2021)
4	CARNIVORA	FELIDAE	Prionailurus bengalensis	11.43 ± 10.13	27.83	0.64	100 km2	(Bashir <i>et al.</i> 2013; Selvan <i>et al.</i> 2014; Mandiri <i>et al.</i> 2016; Park <i>et al.</i> 2017; Ahmad <i>et al.</i> 2021; Pin <i>et al.</i> 2022; Yang <i>et al.</i> 2022)
5	CARNIVORA	FELIDAE	Prionailurus planiceps	#N/A	#N/A	#N/A	#N/A	#N/A
6	CARNIVORA	HERPESTIDAE	Herpestes brachyurus	10.10 ± 5.33	17.80	3.5	km2	(Furqan <i>et al.</i> 2019)
7	CARNIVORA	HERPESTIDAE	Herpestes semitorquatus	8.28 ± 3.85	11.00	5.55	km2	(Mohd-Azlan <i>et al.</i> 2018; Al-Razi <i>et al.</i> 2020)
8	CARNIVORA	MEPHITIDAE	Mydaus javanensis	#N/A	#N/A	#N/A	#N/A	#N/A
9	CARNIVORA	MUSTELIDAE	Aonyx cinereus	#N/A	#N/A	#N/A	#N/A	#N/A
10	CARNIVORA	MUSTELIDAE	Lutra sumatrana	#N/A	#N/A	#N/A	#N/A	#N/A
11	CARNIVORA	MUSTELIDAE	Lutrogale perspicillata	7.86 ± 4.86	11.30	4.42	km2	(Jones <i>et al.</i> 2009; GBIF 2023)
12	CARNIVORA	MUSTELIDAE	Martes flavigula	18.96 ± 25.63	79.00	1.76	km2	(White 2004; Kuswanda dan Muhktar 2010; Hon <i>et al.</i> 2016; Lee <i>et al.</i> 2021)
13	CARNIVORA	MUSTELIDAE	Mustela nudipes	0.74	#N/A	#N/A	km2	(Lading 2007)
14	CARNIVORA	PRIONODONTIDAE	Prionodon linsang	22.09 ± 34.68	84.00	4	km2	(Duckworth <i>et al.</i> 2016)
15	CARNIVORA	URSIDAE	Helarctos malayanus	7.70 ± 9.33	26.00	0.25	km2	(Meijaard <i>et al.</i> 2005; Kuswanda dan Muhktar 2010; Ngoprasert <i>et al.</i> 2012; Mandiri <i>et al.</i> 2016; Scotson <i>et al.</i> 2017; Ahmad <i>et al.</i> 2021)
16	CARNIVORA	VIVERRIDAE	Arctictis binturong	11.57 ± 11.37	24.00	1.7	km2	(Meijaard <i>et al.</i> 2005; Kuswanda dan Muhktar 2010; Mohd-Azlan <i>et al.</i> 2018)
17	CARNIVORA	VIVERRIDAE	Arctogalidia trivirgata	3.32 ± 1.09	4.20	2.1	km2	(Meijaard <i>et al.</i> 2005; Mandiri <i>et al.</i> 2016)

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18	CARNIVORA	VIVERRIDAE	Cynogale bennettii	#N/A	#N/A	#N/A	#N/A	#N/A
19	CARNIVORA	VIVERRIDAE	Hemigalus derbyanus	47.95 ± 76.27	136.00	2.31	km2	(Mohd-Azlan <i>et al.</i> 2018; Al-Razi <i>et al.</i> 2020)
20	CARNIVORA	VIVERRIDAE	Paguma larvata	#N/A	#N/A	#N/A	#N/A	#N/A
21	CARNIVORA	VIVERRIDAE	Paradoxurus hermaphroditus	19.48			km2	(Al-Razi <i>et al.</i> 2020)
22	CARNIVORA	VIVERRIDAE	Viverra zangalla	24.40	#N/A	#N/A	100 km2	(Meijaard <i>et al.</i> 2005)
23	CETARTIODACTYLA	BOVIDAE	Bos javanicus	1.11 ± 0.37	1.48	0.75	km2	(Jathanna <i>et al.</i> 2003; Jones <i>et al.</i> 2009; Gray <i>et al.</i> 2012)
24	CETARTIODACTYLA	CERVIDAE	Muntiacus atherodes	12.0	#N/A	#N/A	km2	(Lading 2007)
25	CETARTIODACTYLA	CERVIDAE	Muntiacus muntjak	9.17 ± 16.22	54.50	1.13	km2	(Jathanna <i>et al.</i> 2003; Liwei <i>et al.</i> 2005; Lading 2007; Jones <i>et al.</i> 2009; Kuswanda dan Muhktar 2010; Zulfihar dan Minhas 2011; Gray <i>et al.</i> 2012; Ahmad <i>et al.</i> 2021)
26	CETARTIODACTYLA	CERVIDAE	Rusa unicolor	7.84 ± 14.31	43.00	0.89	km2	(Jathanna <i>et al.</i> 2003; Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009; Kuswanda dan Muhktar 2010; Ahmad <i>et al.</i> 2021)
27	CETARTIODACTYLA	SUIDAE	Sus barbatus	12.04 ± -999.0	-999.00	-999	km2	(Ahmad <i>et al.</i> 2021)
28	CETARTIODACTYLA	SUIDAE	Sus scrofa	26.31 ± 41.31	74.00	1.4	km2	(Jones <i>et al.</i> 2009; Kuswanda dan Muhktar 2010; Ahmad <i>et al.</i> 2021)
29	CETARTIODACTYLA	TRAGULIDAE	Tragulus kanchil	23.25 ± 15.37	39.00	3	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009; Kuswanda dan Muhktar 2010)
30	CETARTIODACTYLA	TRAGULIDAE	Tragulus napu	78.0 ± 117.22	312.50	4.67	km2	(Meijaard <i>et al.</i> 2005; Kuswanda dan Muhktar 2010; Ahmad <i>et al.</i> 2021)
31	CHIROPTERA	EMBALLONURIDAE	Emballonura alecto	#N/A	#N/A	#N/A	#N/A	#N/A
32	CHIROPTERA	HIPPOSIDERIDAE	Hipposideros cineraceus	#N/A	#N/A	#N/A	#N/A	#N/A
33	CHIROPTERA	PTEROPODIDAE	Balionycteris maculata	#N/A	#N/A	#N/A	#N/A	#N/A
34	CHIROPTERA	PTEROPODIDAE	Chironax melanocephalus	#N/A	#N/A	#N/A	#N/A	#N/A
35	CHIROPTERA	PTEROPODIDAE	Cynopterus horsfieldii	#N/A	#N/A	#N/A	#N/A	#N/A
36	CHIROPTERA	PTEROPODIDAE	Eonycteris major	#N/A	#N/A	#N/A	#N/A	#N/A
37	CHIROPTERA	PTEROPODIDAE	Macroglossus minimus	#N/A	#N/A	#N/A	#N/A	#N/A

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38	CHIROPTERA	PTEROPODIDAE	Megaerops ecaudatus	#N/A	#N/A	#N/A	#N/A	#N/A
39	CHIROPTERA	PTEROPODIDAE	Pteropus hypomelanus	#N/A	#N/A	#N/A	#N/A	#N/A
40	CHIROPTERA	PTEROPODIDAE	Pteropus vampyrus	#N/A	#N/A	#N/A	#N/A	#N/A
41	CHIROPTERA	RHINOLOPHIDAE	Rhinolophus sedulus	#N/A	#N/A	#N/A	#N/A	#N/A
42	CHIROPTERA	RHINOLOPHIDAE	Rhinolophus trifolius	#N/A	#N/A	#N/A	#N/A	#N/A
43	CHIROPTERA	VESPERTILIONIDAE	Kerivoula hardwickii	#N/A	#N/A	#N/A	#N/A	#N/A
44	CHIROPTERA	VESPERTILIONIDAE	Kerivoula intermedia	#N/A	#N/A	#N/A	#N/A	#N/A
45	CHIROPTERA	VESPERTILIONIDAE	Kerivoula minuta	#N/A	#N/A	#N/A	#N/A	#N/A
46	CHIROPTERA	VESPERTILIONIDAE	Kerivoula pellucida	#N/A	#N/A	#N/A	#N/A	#N/A
47	CHIROPTERA	VESPERTILIONIDAE	Kerivoula whiteheadi	#N/A	#N/A	#N/A	#N/A	#N/A
48	CHIROPTERA	VESPERTILIONIDAE	Murina suilla	#N/A	#N/A	#N/A	#N/A	#N/A
49	CHIROPTERA	VESPERTILIONIDAE	Myotis muricola	#N/A	#N/A	#N/A	#N/A	#N/A
50	DERMOPTERA	CYNOCEPHALIDAE	Galeopterus variegatus	6.06	#N/A	#N/A	km2	(Ahmad <i>et al.</i> 2021)
51	EULIPOTYPHLA	ERINACEIDAE	Echinosorex gymnura	#N/A	#N/A	#N/A	#N/A	#N/A
52	EULIPOTYPHLA	ERINACEIDAE	Hylomys suillus	156.67	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
53	EULIPOTYPHLA	SORICIDAE	Suncus ater	#N/A	#N/A	#N/A	#N/A	#N/A
54	EULIPOTYPHLA	SORICIDAE	Suncus etruscus	#N/A	#N/A	#N/A	#N/A	#N/A
55	EULIPOTYPHLA	SORICIDAE	Suncus murinus	#N/A	#N/A	#N/A	#N/A	#N/A
56	PHOLIDOTA	MANIDAE	Manis javanica	14.27 ± 12.35	23.00	5.54	km2	(Kuswanda dan Muhktar 2010; Ahmad <i>et al.</i> 2021)
57	PRIMATES	CERCOPITHECIDAE	Macaca fascicularis	161.50 ± 175.65	517.00	6.86	km2	(Sularso 2004; Lading 2007; Jones <i>et al.</i> 2009; Nielsen <i>et al.</i> 2011; Gumert <i>et al.</i> 2012; Risdiyansyah <i>et al.</i> 2014; Riley <i>et al.</i> 2015; Laksana 2017; Ahmad <i>et al.</i> 2021)
58	PRIMATES	CERCOPITHECIDAE	Macaca nemestrina	22.65 ± 16.25	53.00	2.22	km2	(Jones <i>et al.</i> 2009; Ahmad <i>et al.</i> 2021)
59	PRIMATES	CERCOPITHECIDAE	Nasalis larvatus	84.09 ± 167.07	569.60	0.96	km2	(Bernard dan Hamzah 2006; Ali <i>et al.</i> 2009; Jones <i>et al.</i> 2009; Fauzan dan Naparin 2015; Rabiati <i>et al.</i> 2015; Iskandar <i>et al.</i> 2017; Laman dan Aziz 2019; Dharma <i>et al.</i> 2020; Mediawati <i>et al.</i> 2021; Srimulyaningsih dan Syaputra 2021; Toulec <i>et al.</i> 2022)

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60	PRIMATES	CERCOPITHECIDAE	Presbytis chrysomelas	13.33 ± 14.57	30.00	3	km2	(Aripin <i>et al.</i> 2019; GBIF 2023)
61	PRIMATES	CERCOPITHECIDAE	Presbytis frontata	8.60 ± 6.66	20.00	4	km2	(Jones <i>et al.</i> 2009; GBIF 2023)
62	PRIMATES	CERCOPITHECIDAE	Presbytis hosei	13.80 ± 9.08	29.75	4.42	km2	(Jathanna <i>et al.</i> 2003; Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009)
63	PRIMATES	CERCOPITHECIDAE	Presbytis rubicunda	15.69 ± 9.51	27.82	1.81	km2	(Meijaard <i>et al.</i> 2005; Lading 2007; Bersacola <i>et al.</i> 2014; Fauzi <i>et al.</i> 2018; Ahmad <i>et al.</i> 2021)
64	PRIMATES	CERCOPITHECIDAE	Trachypithecus cristatus	36.71 ± 34.26	71.00	2.49	km2	(Jones <i>et al.</i> 2009; Muhd Sahimi <i>et al.</i> 2020; Ahmad <i>et al.</i> 2021)
65	PRIMATES	HOMINIDAE	Pongo pygmaeus	2.14 ± 1.88	6.01	0.3	km2	(Russon <i>et al.</i> 2001; Felton <i>et al.</i> 2003; Johnson <i>et al.</i> 2005; Jones <i>et al.</i> 2009; Harrison <i>et al.</i> 2010 Jan 1; Wich <i>et al.</i> 2012; Spehar <i>et al.</i> 2015; Tirkaamiana dan Kamarubayana 2016; Kanamori <i>et al.</i> 2017; Sapari <i>et al.</i> 2019)
66	PRIMATES	HYLOBATIDAE	Hylobates albibarbis	7.62 ± 2.63	10.00	3.95	km2	(Jones <i>et al.</i> 2009; Harrison <i>et al.</i> 2010 Jan 1; Suyanti <i>et al.</i> 2019)
67	PRIMATES	HYLOBATIDAE	Hylobates funereus	10.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
68	PRIMATES	HYLOBATIDAE	Hylobates muelleri	14.05 ± 7.08	26.67	8	km2	(Meijaard <i>et al.</i> 2005; Lading 2007; Jones <i>et al.</i> 2009; Ina <i>et al.</i> 2022)
69	PRIMATES	LORISIDAE	Nycticebus menagensis	13.07 ± 8.09	20.00	4.18	km2	(Jones <i>et al.</i> 2009; Al-Razi <i>et al.</i> 2020; Ahmad <i>et al.</i> 2021)
70	PRIMATES	TARSIIDAE	Cephalopachus bancanus	39.09 ± 30.13	62.24	5.02	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009; Ahmad <i>et al.</i> 2021)
71	RODENTIA	HYSTRICIDAE	Hystrix brachyura	16.47 ± 3.32	20.00	13.42	km2	(Kuswanda dan Muhktar 2010; Mohd-Azlan <i>et al.</i> 2018; Ahmad <i>et al.</i> 2021)
72	RODENTIA	HYSTRICIDAE	Hystrix crassispinis	47.0 ± -999.0	-999.00	-999	km2	(Mohd-Azlan <i>et al.</i> 2018)
73	RODENTIA	HYSTRICIDAE	Trichys fasciculata	68.13 ± 76.18	122.00	14.26	km2	(Mohd-Azlan <i>et al.</i> 2018; Ahmad <i>et al.</i> 2021)
74	RODENTIA	MURIDAE	Chiropodomys major	#N/A	#N/A	#N/A	#N/A	#N/A
75	RODENTIA	MURIDAE	Lenothrix canus	#N/A	#N/A	#N/A	#N/A	#N/A
76	RODENTIA	MURIDAE	Leopoldamys sabanus	#N/A	#N/A	#N/A	#N/A	#N/A
77	RODENTIA	MURIDAE	Maxomys rajah	#N/A	#N/A	#N/A	#N/A	#N/A

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78	RODENTIA	MURIDAE	Maxomys surifer	#N/A	#N/A	#N/A	#N/A	#N/A
79	RODENTIA	MURIDAE	Maxomys whiteheadi	44.28	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
80	RODENTIA	MURIDAE	Niviventer cremoriventer	23.91	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
81	RODENTIA	MURIDAE	Rattus argentiventer	55000.00	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
82	RODENTIA	MURIDAE	Rattus exulans	7154.76	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
83	RODENTIA	MURIDAE	Rattus norvegicus	7154.76	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
84	RODENTIA	MURIDAE	Rattus tanezumi	30500.00	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
85	RODENTIA	MURIDAE	Rattus tiomanicus	30500.00	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
86	RODENTIA	MURIDAE	Sundamys muelleri	#N/A	#N/A	#N/A	#N/A	#N/A
87	RODENTIA	SCIURIDAE	Aeromys tephromelas	#N/A	#N/A	#N/A	#N/A	#N/A
88	RODENTIA	SCIURIDAE	Callosciurus baluensis	#N/A	#N/A	#N/A	#N/A	#N/A
89	RODENTIA	SCIURIDAE	Callosciurus notatus	37.26 ± 52.9	98.32	5.35	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009)
90	RODENTIA	SCIURIDAE	Callosciurus orestes	38.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
91	RODENTIA	SCIURIDAE	Callosciurus prevostii	20.65 ± 24.54	38.00	3.29	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009)
92	RODENTIA	SCIURIDAE	Exilisciurus exilis	#N/A	#N/A	#N/A	#N/A	#N/A
93	RODENTIA	SCIURIDAE	Glyphotes simus	#N/A	#N/A	#N/A	#N/A	#N/A
94	RODENTIA	SCIURIDAE	Iomys horsfieldii	250.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
95	RODENTIA	SCIURIDAE	Lariscus hosei	#N/A	#N/A	#N/A	#N/A	#N/A
96	RODENTIA	SCIURIDAE	Lariscus insignis	125.0 ± 91.92	190.00	60	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009)
97	RODENTIA	SCIURIDAE	Nannosciurus melanotis	250.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
98	RODENTIA	SCIURIDAE	Petaurista petaurista	250.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
99	RODENTIA	SCIURIDAE	Petinomys genibarbis	250.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
100	RODENTIA	SCIURIDAE	Ratufa affinis	12.47 ± 8.84	23.03	1.3	km2	(Meijaard <i>et al.</i> 2005; Lading 2007; Jones <i>et al.</i> 2009; Kuswanda dan Muhktar 2010)
101	RODENTIA	SCIURIDAE	Ratufa bicolor	9.74	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
102	RODENTIA	SCIURIDAE	Rheithrosciurus macrotis	8.11 ± 2.06	9.56	6.65	km2	(Jones <i>et al.</i> 2009; Ahmad <i>et al.</i> 2021)

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103	RODENTIA	SCIURIDAE	Rhinosciurus laticaudatus	9.56	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
104	RODENTIA	SCIURIDAE	Sundasciurus hippurus	90.54 ± 122.49	177.15	3.93	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009)
105	RODENTIA	SCIURIDAE	Sundasciurus lowii	206.50 ± 273.65	400.00	13	km2	(Meijaard <i>et al.</i> 2005; Jones <i>et al.</i> 2009)
106	SCANDENTIA	PTILOLOCERCIDAE	Ptilocercus lowii	#N/A	#N/A	#N/A	#N/A	#N/A
107	SCANDENTIA	TUPAIIDAE	Dendrogale melanura	#N/A	#N/A	#N/A	#N/A	#N/A
108	SCANDENTIA	TUPAIIDAE	Tupaia dorsalis	#N/A	#N/A	#N/A	#N/A	#N/A
109	SCANDENTIA	TUPAIIDAE	Tupaia glis	#N/A	#N/A	#N/A	#N/A	#N/A
110	SCANDENTIA	TUPAIIDAE	Tupaia gracilis	13.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)
111	SCANDENTIA	TUPAIIDAE	Tupaia minor	#N/A	#N/A	#N/A	#N/A	#N/A
112	SCANDENTIA	TUPAIIDAE	Tupaia montana	#N/A	#N/A	#N/A	#N/A	#N/A
113	SCANDENTIA	TUPAIIDAE	Tupaia picta	#N/A	#N/A	#N/A	#N/A	#N/A
114	SCANDENTIA	TUPAIIDAE	Tupaia splendidula	#N/A	#N/A	#N/A	#N/A	#N/A
115	SCANDENTIA	TUPAIIDAE	Tupaia tana	400.0	#N/A	#N/A	km2	(Jones <i>et al.</i> 2009)

Daftar Pustaka

- Ahmad A, Gary D, . R, . S, . S, Putra W, Sagita N, Adirahmanta SN, Miller AE. 2021. Leveraging local knowledge to estimate wildlife densities in bornean tropical rainforests. *Wildlife Biol.* 2021(1).doi:10.2981/wlb.00771.
- Al-Razi H, Hasan S, Ahmed T, Muzaffar S Bin. 2020. Density of Nocturnal Mammals in a Forest Patch in Bangladesh. *Preprints*..doi:10.20944/preprints202008.0014.v1.
- Ali R, Bernard H, Hanya G. 2009. The population size and distribution of Proboscis monkey (*Nasalis larvatus*) based on a brief study in Garama, Klias Peninsula, Sabah. 5:53–56.
- Aripin, Ridwan S, Andono A, Mahmud A. 2019. Eksplorasi *Presbytis chrysomelas* ssp. *cruciger* (Thomas 1892) di Bukit Semujan, Taman Nasional Danau Sentarum. *J. Primatol. Indones.* 16(1):10–15. [diunduh 2022 Jan 11]. Tersedia pada: <https://primata.ipb.ac.id/wp-content/uploads/2020/10/JPI-Vol.-16-No.-1-2019-10-15.pdf>
- Bashir T, Bhattacharya T, Poudyal K, Sathyakumar S, Qureshi Q. 2013. Estimating leopard cat *Prionailurus bengalensis* densities using photographic captures and recaptures. *Wildlife Biol.* 19(4):462–472.doi:10.2981/12-098.
- Bernard H, Hamzah Z. 2006. Population size and distribution of the proboscis monkey (*Nasalis larvatus*) in the Klias Peninsula, Sabah, Malaysia. *Malayan Nat. J.* 59:153–163.

- Bersacola E, Ehlers Smith D, Sastramidjaja W, Rayadin Y, Cheyne S. 2014. Population density of *Presbytis rubicunda* in a small primary dipterocarp forest in East Kalimantan, Indonesian Borneo. *Asian Primates J.* 4:16–26.
- Brodie J, Giordano AJ. 2012. Density of the Vulnerable Sunda clouded leopard *Neofelis diardi* in a protected area in Sabah, Malaysian Borneo. *Oryx*. 46(3):427–430.doi:10.1017/S0030605312000087.
- Cheyne S, Stark D, Limin S, Macdonald D. 2013. First estimates of population ecology and threats to Sunda clouded leopards *Neofelis diardi* in a peat-swamp forest, Indonesia. *Endanger. Species Res.* 22(1):1–9.doi:10.3354/esr00525.
- Chiang P-J. 2017. A Review of our Current Knowledge of Clouded Leopards (*Neofelis nebulosa*). *Int. J. Avian Wildl. Biol.* 2(5).doi:10.15406/ijawb.2017.02.00032.
- Dharma AP, Setyaningsih M, Meitiyani M, Rayhan M, Hafiz M, Prayogo AB, Firdaus MF. 2020. Population Dynamics of Proboscis Monkey in Kuala Barito River Delta. *2nd Int. Conf. Educ. Sci. Technol. Eng. Math. (ICE-STEM 2020)*.:80–85.
- Duckworth JW, Samejima H, Semiadi G, Hearn AJ, Ross J, Fredriksson G, Cheyne SM, Heydon M, Augeri DM, Brodie J, *et al.* 2016. Predicted distribution of banded linsang *Prionodon linsang* (Mammalia: Carnivora: Prionodontidae) on Borneo. *Raffles Bull. Zool.* 2016(33):71–77.
- Fauzan N, Naparin A. 2015. The Structure of Proboscis Monkey (*Nasalis larvatus*) Population in the Area of BatuSawar Mountain Hulu Sungai Tengah District. *Semin. Nas. XII Pendidik. Biol. FKIP UNS 2015*. 12(1):721–726.
- Fauzi F, Rahmawati R, Sandan P. 2018. Estimation of Population Density And Food Sort of KELASI (*Presbytis Rubicundamuller* 1838) in Nyaru Menteng Arboretum of Palangka Raya. *Daun J. Ilm. Pertan. dan Kehutan*. 4(1):7–16.doi:10.33084/daun.v4i1.90.
- Felton AM, Engström LM, Felton A, Knott CD. 2003. Orangutan population density, forest structure and fruit availability in hand-logged and unlogged peat swamp forests in West Kalimantan, Indonesia. *Biol. Conserv.* 114(1):91–101.doi:https://doi.org/10.1016/S0006-3207(03)00013-2.
- Furqan M, Ali U, Ara A, Shahzad MM, Awan MS, Minhas RA, Ahmad KB, Qamar QZ, Dar NI. 2019. Population Estimation and Habitat Analysis of Indian Grey Mongoose (*Herpestes edwardsii*) in Mirpur District, Azad Jammu and Kashmir. *Pak. J. Zool.* 51(2).doi:10.17582/journal.pjz/2019.51.2.549.557.
- GBIF. 2023. *Lutrogale perspicillata* (I.Geoffroy Saint-Hilaire, 1826). *GBIF Backbone Taxon*.doi:https://doi.org/10.15468/39omei.
- Gray TNE, Phan C, Pin C, Prum S. 2012. Establishing a monitoring baseline for threatened large ungulates in eastern Cambodia. *Wildlife Biol.* 18(4):406–413.doi:10.2981/11-107.
- Gumert MD, Rachmawan D, Iskandar E, Pamungkas J. 2012. Populasi monyet ekor panjang (*Macaca fascicularis*) di Taman Nasional Tanjung Puting, Kalimantan Tengah. *J. Primatol. Indones.* 9(1):3–12.
- Haidir I, Macdonald DW, Linkie M. 2021. Sunda clouded leopard *Neofelis diardi* densities and human activities in the humid evergreen rainforests of Sumatra. *Oryx*. 55(2):189–196.doi:10.1017/S0030605319001005.
- Harrison M, Hendri, Dragiewicz M, Krisno, Cheyne S, Husson S. 2010 Jan 1. Biodiversity of the Mungku Baru Ulin Forest, Central Kalimantan, Indonesia. *Rep. Prod. by Orangutan Trop. Peatl. Proj. Int. Anim. Rescue*.
- Hearn AJ, Ross J, Bernard H, Bakar SA, Goossens B, Hunter LTB, Macdonald DW. 2019. Responses of Sunda clouded leopard *Neofelis diardi* population density to anthropogenic disturbance: refining estimates of its conservation status in Sabah. *Oryx*. 53(4):643–653.doi:10.1017/S0030605317001065.
- Hearn AJ, Ross J, Bernard H, Bakar SA, Hunter LTB, Macdonald DW. 2016. The First Estimates of Marbled Cat *Pardofelis marmorata* Population Density from Bornean Primary and Selectively Logged Forest. Murphy WJ, editor.[editorial]. *PLoS One*. 11(3):e0151046.doi:10.1371/journal.pone.0151046.
- Hon J, Hearn AJ, Ross J, Samejima H, Augeri DM, Mathai J, Mohamed A, Boonratana R, Fredriksson G, Cheyne SM, *et al.* 2016. Predicted distribution of the yellow-throated marten *Martes flavigula* (Mammalia: Carnivora: Mustelidae) on Borneo. *Raffles Bull. Zool.* 2016(33):42–49.

- Ina TRM, Rahman DA, Setiawan Y, Giri S. 2022. Population Monitoring of Javan Leopard and Javan Gibbon in Potential Areas in Mount Halimun Salak National Park. *Media Konserv.* 27(3):128–139.doi:10.29244/medkon.27.3.128-139.
- Iskandar S, Alikodra HS, Bismark M, Kartono AP. 2017. STATUS POPULASI DAN KONSERVASI BEKANTAN (*Nasalis larvatus* Wurm. 1787) DI HABITAT RAWA GELAM, KALIMANTAN SELATAN. *J. Penelit. Hutan dan Konserv. Alam.* 14(2):123–132.doi:10.20886/jphka.2017.14.2.123-132.
- Jathanna D, Karanth KU, Johnsingh AJT. 2003. Estimation of large herbivore densities in the tropical forests of southern India using distance sampling. *J. Zool.* 261(3):285–290.doi:10.1017/S0952836903004278.
- Johnson AE, Knott CD, Pamungkas B, Pasaribu M, Marshall AJ. 2005. A survey of the orangutan (*Pongo pygmaeus wurmbii*) population in and around Gunung Palung National Park, West Kalimantan, Indonesia based on nest counts. *Biol. Conserv.* 121(4):495–507.doi:10.1016/j.biocon.2004.06.002.
- Jones KE, Bielby J, Cardillo M, Fritz SA, O'Dell J, Orme CDL, Safi K, Sechrest W, Boakes EH, Carbone C, *et al.* 2009. PanTHERIA: a species-level database of life history, ecology, and geography of extant and recently extinct mammals. Michener WK, editor.[editorial]. *Ecology.* 90(9):2648–2648.doi:10.1890/08-1494.1.
- Kanamori T, Kuze N, Bernard H, Malim TP, Kohshima S. 2017. Fluctuations of population density in Bornean orangutans (*Pongo pygmaeus morio*) related to fruit availability in the Danum Valley, Sabah, Malaysia: a 10-year record including two mast fruitings and three other peak fruitings. *Primates.* 58(1):225–235.doi:10.1007/s10329-016-0584-5.
- Kuswanda W, Muhktar AS. 2010. Pengelolaan Populasi Mamalia Besar Terrestrial Di Taman Nasional Batang Gadis, Sumatera Utara. *J. Penelit. Hutan dan Konserv. Alam.* 7(1):59–74.
- Lading E. 2007. *BIG MAMMALS OF PULONG TAU NATIONAL PARK ITTO Project PD 224 / 03 Rev . 1 (F) Transboundary Biodiversity Conservation – The Pulong Tau National Park , Sarawak , Malaysia International Tropical Timber Organization Sarawak Forest Department.*
- Laksana MRP. 2017. Struktur populasi monyet ekor panjang (*Macaca fascicularis*) di Taman Wisata Alam Pananjung Pangandaran, Jawa Barat.
- Laman CJM, Aziz AFi. 2019. POPULATION ESTIMATION OF PROBOSCIS MONKEY (*NASALIS LARVATUS*), WITH NEW ANALYSIS BASED ON FOREST TYPES IN SARAWAK, MALAYSIAN BORNEO. *J. Sustain. Sci. Manag.* 14:89–99.
- Lee H-J, Lee O-S, Woo D-G, Kim H-N, Wallace MC, Jo Y-S. 2021. Current distribution and habitat models of the yellow-throated marten, *Martes flavigula*, in South Korea. *Mammal Res.* 66(3):429–441.doi:10.1007/s13364-021-00567-6.
- Liwei T, Zhensheng LIU, Yanling S, Zhigao Z, Shanyuan LI, Huixian LIN. 2005. Population size and characteristics of Indian muntjac (*Muntiacus muntjak*) at Hainan Datian National Nature Reserve. *Acta Theriol. Sin.* 25(2):138.
- Mandiri SA, Sukandar P, Istiadi Y. 2016. KEPADATAN POPULASI MAMALIA DARAT KARNIVORA DI CAMP LEAKEY KAWASAN TAMAN NASIONAL TANJUNG PUTING, KALIMANTAN TENGAH. *Bioma.* 12(2):15–21.
- Maryani M, Muhammad A, Sunarto S. 2014. Estimasi Populasi Macan Dahan Sunda (*Neofelis Diardi*) di Suaka Margasatwa Bukit Rimbang Bukit Baling Menggunakan Bantuan Perangkap Kamera. *J. Online Mhs. Fak. Mat. dan Ilmu Pengetah. Alam Univ. Riau.* 1(2).
- Mediawati I, Muslim T, Ma'ruf A, Mukhlisi, Seputro H, Sitepu BS. 2021. Population of Proboscis Monkey (*Nasalis larvatus*) in Manggar River, Balikpapan City, Indonesia. *IOP Conf. Ser. Earth Environ. Sci.* 886(1):12068.doi:10.1088/1755-1315/886/1/012068.
- Meijaard E, Sheil D, Nasi R, Augeri D, Rosenbaum B, Iskandar D, Setyawati T, Lammertink M, Rachmatika I, Wong A. 2005. *Life after logging.* Volume ke-15/2.
- Mohd-Azlan J, Kaicheen SS, Yoong WC. 2018. Distribution, relative abundance and occupancy of selected mammals along paved road in Kubah National

- Park, Sarawak, Borneo. *Nat. Conserv. Res.* 3(2).doi:10.24189/ncr.2018.028.
- Muhtd Sahimi HN, Zawawi ZA, Selat B, Khalid NM, Magintan D, Abdul Rahman MT, Nor SM. 2020. Diversity and Distribution of Primates in the Gunung Basur Permanent Forest Reserve. *IOP Conf. Ser. Earth Environ. Sci.* 549(1):12051.doi:10.1088/1755-1315/549/1/012051.
- Naing H, Ross J, Burnham D, Htun S, Macdonald DW. 2019. Population density estimates and conservation concern for clouded leopards *Neofelis nebulosa*, marbled cats *Pardofelis marmorata* and tigers *Panthera tigris* in Htamanthi Wildlife Sanctuary, Sagaing, Myanmar. *Oryx*. 53(4):654–662.doi:10.1017/S0030605317001260.
- Ngoprasert D, Reed DH, Steinmetz R, Gale GA. 2012. Density estimation of Asian bears using photographic capture–recapture sampling based on chest marks. *Ursus*. 23(2):117–133.doi:10.2192/URSUS-D-11-00009.1.
- Nielsen A, Steffan-Dewenter I, Westphal C, Messinger O, Potts SG, Roberts SPM, Settele J, Szentgyörgyi H, Vaissière BE, Vaitis M, *et al.* 2011. Assessing bee species richness in two Mediterranean communities: Importance of habitat type and sampling techniques. *Ecol. Res.* 26(5):969–983.doi:10.1007/s11284-011-0852-1.
- Park H, Lim A, Choi T-Y, Lim S-J, Park Y-C. 2017. Estimating population density of Leopard cat (*Prionailurus bengalensis*) from camera traps in Maekdo Riparian Park, South Korea. *J. For. Environ. Sci.* 33(3):239–242.
- Pin C, Phan C, Kamler JF, Rostro-García S, Penjor U, In V, Crouthers R, Macdonald EA, Chou S, Macdonald DW. 2022. Density and occupancy of leopard cats across different forest types in Cambodia. *Mammal Res.* 67(3):287–298.doi:10.1007/s13364-022-00634-6.
- Rabiati M, Kartono AP, Masyud B. 2015. Populasi Bekantan (*Nasalis Larvatus*) di Suaka Margasatwa Kuala Lupak, Kalimantan Selatan, Indonesia. *Media Konserv.* 20(3).doi:10.29243/medkon.20.3.%p.
- Riley CM, Jayasri SL, Gumert MD. 2015. Results of a nationwide census of the long-tailed macaque (*Macaca fascicularis*) population of Singapore.
- Risdiyansyah R, P Harianto S, Nurcahyani N. 2014. Studi Populasi Monyet Ekor Panjang (*Macaca Fascicularis*) Di Pulau Condong Darat Desa Rangai Kecamatan Ketibung Kabupaten Lampung Selatan. *J. Sylva Lestari*. 2(1):41.doi:10.23960/jsl1241-48.
- Russon A, Erman A, Dennis R. 2001. The population and distribution of orangutans (*Pongo pygmaeus pygmaeus*) in and around the Danau Sentarum Wildlife Reserve, West Kalimantan, Indonesia. *Biol. Conserv.* 97:21–28.doi:10.1016/S0006-3207(00)00087-2.
- Sapari I, Perwitasari D, Farajallah F, Utami SS. 2019. The Bornean orangutan (*Pongo pygmaeus wurmbii*) density in a logging concession of Hulu Belantikan, Central Kalimantan, Indonesia. *Biodiversitas J. Biol. Divers.* 20(3):878–883.doi:10.13057/biodiv/d200336.
- Scotson L, Fredriksson G, Ngoprasert D, Wong W-M, Fieberg J. 2017. Projecting range-wide sun bear population trends using tree cover and camera-trap bycatch data. Mousseau TA, editor.[editorial]. *PLoS One*. 12(9):e0185336.doi:10.1371/journal.pone.0185336.
- Selvan M, Lyngdoh S, Gopi GV, Habib B. 2014. Density estimation of leopard cat *Prionailurus bengalensis* using capture-recaptures sampling in lowland forest of Pakke Tiger Reserve, Arunachal Pradesh, India. *Mammalia*. 78(4).doi:10.1515/mammalia-2013-0084.
- Singh P, Macdonald DW. 2017. Populations and activity patterns of clouded leopards and marbled cats in Dampa Tiger Reserve, India. *J. Mammal.* 98(5):1453–1462.doi:10.1093/jmammal/gyx104.
- Spehar SN, Loken B, Rayadin Y, Royle JA. 2015. Comparing spatial capture–recapture modeling and nest count methods to estimate orangutan densities in the Wehea Forest, East Kalimantan, Indonesia. *Biol. Conserv.* 191:185–193.doi:10.1016/j.biocon.2015.06.013.
- Srimulyaningsih R, Syaputra M. 2021. STRUKTUR POPULASI BEKANTAN (*NASALIS LARVATUS*) DI RAWA GELAM. *J. Belantara*. 4(1):48–55.doi:10.29303/jbl.v4i1.519.
- Sularso EKOD. 2004. STUDI POPULASI KERA EKOR PANJANG (*Macaca fascicularis*) DAN STRUKTUR VEGETASI PENYUSUN HABITATNYA

DIRESORT ROWOBENDO, TAMAN NASIONAL ALAS PURWO KABUPATEN BANYUWANGI, JAWA TIMUR.

- Suyanti S, Mansjoer SS, Mardiasuti A. 2019. Analisis Populasi Kalawet (*Hylobates agilis albibarbis*) di Taman Nasional Sebangau, Kalimantan Tengah. *J. Primatol. Indones.* 6(1):2–8.
- Tirkaamiana T, Kamarubayana A. 2016. Estimasi Populasi Orangutan (*Pongo Pygmaeus Morio*) Berdasarkan Sarang Pada Resort Mawai-muara Bengkal Sptn Wilayah II Taman Nasional Kutai. Population Estimates Based on Nests Orangutans (*Pongo Pygmaeus Morio*) in Kutai National Park in Resort Mawai - Muar. *Agrifor.* 15(1):1–8.doi:10.31293/af.v15i1.1774.
- Toulec T, Lhota S, Scott K, Putera AKS, Kustiawan W, Nijman V. 2022. A decade of proboscis monkey (*Nasalis larvatus*) population monitoring in Balikpapan Bay: Confronting predictions with empirical data. *Am. J. Primatol.* 84(2).doi:10.1002/ajp.23357.
- Wich SA, Gaveau D, Abram N, Ancrenaz M, Baccini A, Brend S, Curran L, Delgado RA, Erman A, Fredriksson GM, *et al.* 2012. Understanding the Impacts of Land-Use Policies on a Threatened Species: Is There a Future for the Bornean Orang-utan? *PLoS One.* 7(11):1–10.doi:10.1371/journal.pone.0049142.
- Yang J, Wa Li K, Yuen Yeung H, Kin Au T, Zheng X, J. Giordano A, Pui Lok Chan B. 2022. Population density and activity patterns of the leopard cat (*Prionailurus bengalensis*) in southern China: Estimates based on camera-trapping data. *Biodivers. Sci.* 30(9):21357.doi:10.17520/biods.2021357.
- Zulfiqar S, Minhas RA. 2011. Population and conservation status of barking deer (*Muntiacus muntjac*) in Pir Lasorha National Park and other areas of District Kotli, Azad Jammu and Kashmir, Pakistan. *Pak. J. Zool.* 43(5).
- White T. 2004. "Lutrogale perspicillata" (On-line), Animal Diversity Web. Accessed March 17, 2024 at https://animaldiversity.org/accounts/Lutrogale_perspicillata/