



SUSTAINABILITY PERFORMANCE DATA

Sustainability Report 2022



Sustainability Performance Data 2018–2022

General disclosures

[GRI 2-6, 201-1, 13.22.2] [SASB FB-AG-000.A, FB-AG-000.C]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Group level						
Revenue	USD billion	10.8	10.0	7.0	7.0	7.5
Global operations	no. of countries	13	13	13	13	13
Upstream						
Total landbank	ha	199,379	199,358	199,154	199,154	198,837
Sumatra	ha	67,035	67,035	66,915	66,915	66,598
Kalimantan	ha	132,344	132,323	132,239	132,239	132,239
Total planted area	ha	124,657	123,998	123,591	122,828	121,968
Sumatra	ha	56,272	56,282	56,584	56,610	55,912
Kalimantan	ha	68,385	67,716	67,007	66,218	66,056
Nucleus planted area	ha	118,452	118,121	117,679	117,032	117,344
Sumatra	ha	52,616	52,762	53,013	53,074	52,498
Kalimantan	ha	65,837	65,359	64,665	63,957	64,846
Scheme smallholder planted area	ha	6,205	5,877	5,912	5,796	4,624
Sumatra	ha	3,656	3,521	3,571	3,535	3,414
Kalimantan	ha	2,549	2,356	2,341	2,261	1,210
Total FFB produced by own plantations	MT	2,870,186	2,713,542	2,717,961	2,584,026	2,813,954
Nucleus	MT	2,727,498	2,578,755	2,594,064	2,475,555	2,703,918
Scheme smallholders	MT	142,688	134,787	123,897	108,471	110,036
Total FFB processed by Musim Mas mills	MT	3,844,923	3,725,397	3,556,709	3,437,968	3,815,493
Nucleus	MT	2,727,497	2,578,755	2,546,003	2,414,967	2,703,918
Scheme smallholders	MT	142,688	134,787	114,064	103,953	110,036
Third-party FFB suppliers	MT	974,738	1,011,855	896,642	919,048	1,001,539

Sustainability Performance Data 2018–2022

General disclosures

[GRI 2-6, 201-1, 13.22.2] [SASB FB-AG-000.A, FB-AG-000.C]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Total Mills	no.	18	18	17	17	16
CPO produced	MT	865,683	843,293	796,581	774,892	860,295
PK produced	MT	224,179	214,126	202,829	195,859	220,853
FFB yield – own plantations	MT FFB/ha	24.65	23.55	23.71	22.79	25.85
FFB yield – scheme smallholders	MT FFB/ha	24.64	21.51	22.41	22.92	26.98
Extraction rate – CPO	%	22.51%	22.64%	22.40%	22.54%	22.60%
Extraction rate – PK	%	5.83%	5.75%	5.70%	5.70%	5.79%
CPO yield	MT CPO/ha	5.86	5.68	5.70	5.53	6.25
Midstream and downstream						
CPO sourced by refineries	million MT	6,320	6,469	6,908	7,586	7,568

Certification

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Upstream						
RSPO-certified area – own plantation area	ha	146,923	146,924	136,588	136,588	135,824
RSPO-certified area – scheme smallholder area	ha	6,039	5,956	3,494	3,494	3,494
RSPO-certified mills	no.	15 ¹	15	13	12	12
CSPO produced, including scheme smallholder volumes	MT	755,780	727,662	697,401	695,151	671,883
CSPK produced, including scheme smallholder volumes	MT	188,930	182,458	175,555	176,645	169,334
ISPO-certified PTs	no.	15 ²	11	5	5	4
ISCC-certified mills	no.	18	18	12	12	12
Midstream and downstream						
CSPO sourced - SG/IP	MT	387,548	375,058	300,711	293,439	
CSPO sourced - MB	MT	415,645	518,347	686,473	284,143	
CSPKO sourced - SG/IP	MT	47,796	47,880	27,603	13,103	
CSPKO sourced - MB	MT	132,987	162,165	137,601	41,623	

1 Our 15 mills integrated with plantations are fully certified against the RSPO Principles and Criteria (P&C) standards.

2 In July 2023, 17 of 17 Musim Mas PTs have achieved ISPO certification. For more info, please click [here](#).

PILLAR 1: Improve the Lives of Smallholders, Workers and Communities

Employees

[GRI 2-7, 202-2, 401-1, 405-1, 404-1, 13.15.2]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Group level by gender	no.	38,814	37,681	36,563	34,343	37,871
Male	no.	30,702	29,542	26,965	25,327	29,754
Female	no.	8,112	8,139	9,598	9,016	8,117
Permanent employees by country	no.	32,195	31,080			
Indonesia	no.	30,331	29,263			
Malaysia	no.	240	240			
Singapore	no.	353	350			
Other	no.	1,271	1,227			
Temporary employees by country	no.	6,619	6,601			
Indonesia	no.	6,619	6,601			
Malaysia	no.	0	0			
Singapore	no.	0	0			
Other	no.	0	0			
Percentage of senior management at significant locations of operation that are hired from the local community	%	0%	0%			
Upstream						
Total employees by gender	no.	23,061	22,083			
Male	no.	17,307	16,275			
Female	no.	5,754	5,808			
Total senior management by gender	no.	14	14			
Male	no.	14	14			
Female	no.	0	0			
Total management by gender	no.	76	81			
Male	no.	74	79			
Female	no.	2	2			
Total staff by gender	no.	1,132	1,179			
Male	no.	864	907			
Female	no.	268	272			
Total workers by gender	no.	21,839	20,809			
Male	no.	16,355	15,275			
Female	no.	5,484	5,534			

PILLAR 1: Improve the Lives of Smallholders, Workers and Communities

Employees

[GRI 2-7, 202-2, 401-1, 405-1, 404-1, 13.15.2]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Midstream and downstream						
Total employees by gender	no.	13,818	13,089			
Male	no.	12,372	12,038			
Female	no.	1,446	1,051			
Total senior management by gender	no.	29	18			
Male	no.	24	16			
Female	no.	5	2			
Total management by gender	no.	356	171			
Male	no.	256	141			
Female	no.	100	30			
Total staff by gender	no.	4,453	3,967			
Male	no.	3,273	3,120			
Female	no.	1,180	847			
Total workers by gender	no.	8,980	8,933			
Male	no.	8,819	8,761			
Female	no.	161	172			
Other business segments (global)						
Total employees by gender	no.	1,935	2,509			
Male	no.	1,023	1,228			
Female	no.	912	1,281			
New hires by business segments						
Upstream	no.	9,558	6,542			
Midstream and downstream	no.	3,992	4,332			
Other	no.	253	289			
Turnover by business segments						
Upstream	%	36.20%	30.94%			
Midstream and downstream	%	31.31%	34.85%			
Other	%	12.35%	13.26%			

PILLAR 1: Improve the Lives of Smallholders, Workers and Communities

Employees

[GRI 2-7, 202-2, 401-1, 405-1, 404-1, 13.15.2]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Average annual training hours per employee³						
Group level						
Male	total hours	605,984	240,811			
	average	19.7	8.2			
Female	total hours	214,918	31,775			
	average	26.5	3.9			
Senior management						
Male	total hours	70	10			
	average	1.8	0.3			
Female	total hours	3	4			
	average	0.6	2.0			
Management						
Male	total hours	1,212	2,179			
	average	3.7	9.9			
Female	total hours	146	59			
	average	1.4	1.8			
Staff						
Male	total hours	76,657	52,300			
	average	18.5	13.0			
Female	total hours	12,369	10,966			
	average	8.5	9.8			
Worker						
Male	total hours	528,045	186,323			
	average	21.0	7.8			
Female	total hours	202,400	20,747			
	average	35.9	3.6			

3 All FY 2021 average annual training hours per employee have been restated.

PILLAR 1: Improve the Lives of Smallholders, Workers and Communities

Safety and health

[GRI 403-9, 13.19.10] [SASB FB-AG-320a.1]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Upstream						
Total accidents	no.	236	305	440	377	334
Total days lost to accidents	no.	2,603	3,100	9,169	11,001	14,528
Total working hours	million hours	38.79	37.82	39.66	41.56	37.98
Accident frequency rate (per 1 million working hours)		6.08	8.06	11.09	9.07	8.79
Severity rate (average days lost per accident)		11.03	10.16	20.84	29.18	43.50
Total high-consequence accidents (excluding fatalities)	no.	3	2			
Fatalities	no.	2	3	7	3	1

PILLAR 1: Improve the Lives of Smallholders, Workers and Communities

Social and community

[GRI 203-1, 13.22.3]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Support for smallholders						
Scheme smallholders (KKPA and VDP)						
Number of smallholders under KKPA programs	no.	4,144 [#]	4,044	3,571	3,571	2,423
Number of KKPA programs	no.	10 [#]	9	9	9	7
KKPA area	ha	6,783	6,445	6,327	6,327	4,523
Training provided under KKPA program	no.	157	111	119	98	121
Villages under VDP program	no.	31 [#]	29	29	17	16
VDP area	ha	232	210	211	127	102
Total income for smallholders ⁴	IDR million	204,834.5	185,746.4	113,113.9	81,749.2	113,233.1
Total income of smallholders under KKPA	IDR million	201,135.1	183,133.7	111,630.1	80,949.3	112,174.3
Total income of villages under VDP	IDR million	3,699.4	2,612.7	1,483.8		
Independent smallholders						
Number of smallholders trained						
Training for smallholders	no.	36,179	35,632			
Training for trainers: Smallholders Hubs	no.	4,529	1,051			
Village extension officers trained under Smallholders Hubs	no.	347	177	44		
Infrastructure and services provided						
Musim Mas secondary schools	no.	3	3	2	2	1
Musim Mas primary schools	no.	10	9	9	9	9
Musim Mas kindergartens	no.	10	9	9	9	9
Total children living in plantations	no.	12,746	11,530	14,507	13,950	12,822
Clinics	no.	26	27	26	26	25
Aid posts	no.	2,655	2,602	2,401	2,285	2,043
Housing provided for employees	no.	13,918	13,805	14,439	13,486	12,919
Area enclaved for food security	no.	31.20	34.64	35.57	18.50	19.47
Infrastructure area	ha	8,508	8,326	7,873	7,621	7,320
CSR and community program						
Contribution to CSR	IDR billion	30.2	21.3	22.4	15.2	11.6
Childcare centres	no.	48	48	49		

[#] EY has performed limited assurance procedures on these figures.

⁴ Refers to net income to indicate earnings from FFB production after expenses.

PILLAR 2: Deliver Positive Environmental Impacts

Environmental and operations

[GRI 302-1, 302-2, 303-3, 303-4, 303-5, 306-3, 306-4, 305-1, 305-2, 305-4, 13.1.2, 13.1.3, 13.1.5, 13.6.2, 13.7.4, 13.7.5, 13.7.6, 13.8.4, 13.8.5] [SASB FB-AG-110a.1, FB-AG-130a.1, FB-AG-140a.1]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
GHG emissions (GHG Protocol - Group level)						
Gross direct (Scope 1) GHG emissions by business segment	MT CO ₂ e	1,635,429	1,699,673	1,337,533	1,275,589	1,466,362
Oil palm plantations	MT CO ₂ e	361,356	384,384	368,038	385,745	384,181
Palm oil mills	MT CO ₂ e	53,814	69,157	54,476	55,727	19,878
Midstream and downstream	MT CO ₂ e	1,127,658	1,151,708	817,934	764,983	959,114
Other	MT CO ₂ e	92,601	94,424	97,085	69,134	103,189
Gross location-based energy indirect (Scope 2) GHG emissions by business segments	MT CO ₂ e	411,579	414,430	320,178	291,186	248,002
Oil palm plantations	MT CO ₂ e	0	0	0	0	0
Palm oil mills	MT CO ₂ e	0	816	105	106	78
Midstream and downstream	MT CO ₂ e	411,452	410,874	319,276	290,436	243,549
Other	MT CO ₂ e	127	2,740	797	644	4,375
GHG emissions (PalmGHG - Upstream)						
Total net GHG emissions (RSPO mills)	MT CO ₂ e	2,532,356	2,583,098	2,595,344	2,479,582	2,745,453
GHG emission intensity – Group	MT CO ₂ e / MT CPO	2.77 [#]	2.87	3.17	2.80	3.49
GHG emission intensity – Sumatra	MT CO ₂ e / MT CPO	4.68	4.87	4.97	4.34	5.04
GHG emission intensity – Kalimantan	MT CO ₂ e / MT CPO	1.08	1.12	1.25	1.12	1.42
Methane capture facilities	no.	17	16	15	15	14
Total emissions avoided by methane capture	MT CO ₂ e	619,749	575,075	544,220	537,965	593,070

EY has performed limited assurance procedures on these figures.

PILLAR 2: Deliver Positive Environmental Impacts

Environmental and operations

[GRI 302-1, 302-2, 303-3, 303-4, 303-5, 306-3, 306-4, 305-1, 305-2, 305-4, 13.1.2, 13.1.3, 13.1.5, 13.6.2, 13.7.4, 13.7.5, 13.7.6, 13.8.4, 13.8.5] [SASB FB-AG-110a.1, FB-AG-130a.1, FB-AG-140a.1]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Energy (Upstream)						
Total energy consumption	GJ	8,162,218	7,670,509			
Energy consumption from non-renewable sources	GJ	383,991	370,031			
B30 biodiesel	GJ	353,707	343,647			
Diesel	GJ	2,267	3,620			
Petrol	GJ	28,017	22,764			
Energy consumption from renewable sources	GJ	7,778,227	7,300,478	5,190,706	5,278,085	6,727,321
Palm kernel shell (PKS)	MT	48,255	44,913	31,240	39,639	48,416
	GJ	727,686	677,289	471,103	597,750	730,113
Palm fiber	MT	937,001	885,565	721,617	705,370	779,957
	GJ	6,522,253	6,078,182	4,719,603	4,680,335	5,997,208
Biogas from POME	million m ³	55,255	59,679			
	GJ	528,288	545,007			
Energy intensity	GJ/MT CPO	7.49	7.25			
Surplus electricity generated from biogas exported to grid	MWh	26,589	33,901	31,988		
Conservation						
Total conservation area ⁵	ha	28,460	28,453	28,210	24,220	20,958
Total HCV area	ha	20,766	20,766	20,766	19,716	19,138
Total HCS area	ha	1,846	1,846	1,846	1,790	1,820
Other	ha	5,848	5,841	5,598	2,714	0
Managed peat						
Planted area	ha	35,254	35,254	35,273	35,274	35,275
Conserved area	ha	4,253	4,253	4,253	4,051	4,049
Fire incidents						
Hotspots within concession	no.	97	87	151	119	69
Fires within concession	no.	3	9	11	16	18
Hotspots surrounding concession area	no.	146	326	289	1,689	269
Fires surrounding concession area	no.	25	90	71	997	109
Fire trainings conducted	no.	127	161	144	148	157
Fire Free Village Program (FFVP) villages	no.	74	74	75	75	73
FFVP village area	ha	450,769	450,769	468,569	458,361	466,117

⁵ Total conservation area includes conserved peat area

PILLAR 2: Deliver Positive Environmental Impacts

Environmental and operations

[GRI 302-1, 302-2, 303-3, 303-4, 303-5, 306-3, 306-4, 305-1, 305-2, 305-4, 13.1.2, 13.1.3, 13.1.5, 13.6.2, 13.7.4, 13.7.5, 13.7.6, 13.8.4, 13.8.5] [SASB FB-AG-110a.1, FB-AG-130a.1, FB-AG-140a.1]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Fertilizer usage⁶						
Matured area – Sumatra	MT/ha	1.46	1.54	1.63	1.73	1.87
Immature area – Sumatra	MT/ha	2.82	2.83	2.64	2.78	2.90
Matured area – Kalimantan	MT/ha	2.40	2.28	2.08	1.95	1.62
Immature area – Kalimantan	MT/ha	1.28	1.40	1.54	1.77	1.52
Total inorganic fertilizer use	MT	145,503	148,121	154,697	142,407	140,569
Herbicide usage⁷						
Toxicity per hectare planted	toxicity unit/ha	352.37	513.48	530.62	475.52	412.44
Moderately hazardous	toxicity unit/ha	110.23	182.81	205.22	177.43	150.10
Slightly hazardous	toxicity unit/ha	235.71	323.35	317.76	290.72	254.34
Unlikely to present acute hazards	toxicity unit/ha	6.43	7.32	7.64	7.37	8.01
Water usage (RSPO mills)						
Plantations	m ³ (thousand)	523.51	315.34	197.45	564.94	645.45
Mills	m ³ (thousand)	3,850.38	3,538.32	3,550.92	3,603.45	3,974.07
Mill water usage intensity	m ³ /MT FFB processed	1.17 [#]	1.13	1.17	1.23	1.23
Water footprint (Water Footprint Network methodology)						
Blue water	m ³ (million)	6.68	6.29	9.71	8.71	9.85
Green water	m ³ (million)	1,542.04	1,533.79	1,577.42	1,567.55	1,554.19
Grey water	m ³ (million)	325.96	354.70	385.77	477.68	387.78
Effluent discharged						
BOD levels river discharge – Sumatra	mg/l	55.45 [#]	61.08	52.07	67.57	54.66
BOD levels river discharge – Kalimantan	mg/l	49.44 [#]	29.05	23.37	37.24	26.28
BOD levels land application – Sumatra	mg/l	52.56 [#]	45.42	47.08	58.85	49.12
BOD levels land application – Kalimantan	mg/l	47.61 [#]	34.13	31.99	46.55	29.28
COD levels river discharge – Sumatra	mg/l	165.71 [#]	170.24	151.65	204.96	149.81
COD levels river discharge – Kalimantan	mg/l	199.98 [#]	139.13	115.76	172.89	159.33
COD levels land application – Sumatra	mg/l	165.32 [#]	152.83	144.71	203.82	140.48
COD levels land application – Kalimantan	mg/l	149.39 [#]	156.67	148.61	216.72	136.21

⁶ Data is inclusive of both organic and inorganic fertilizer applied. (Data previously erroneously reported as inorganic fertilizer usage only)

⁷ Reference: <https://www.who.int/publications/i/item/9789240005662>

[#] EY has performed limited assurance procedures on these figures.

PILLAR 2: Deliver Positive Environmental Impacts

Environmental and operations

[GRI 302-1, 302-2, 303-3, 303-4, 303-5, 306-3, 306-4, 305-1, 305-2, 305-4, 13.1.2, 13.1.3, 13.1.5, 13.6.2, 13.7.4, 13.7.5, 13.7.6, 13.8.4, 13.8.5] [SASB FB-AG-110a.1, FB-AG-130a.1, FB-AG-140a.1]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Phosphorus and nitrogen in water courses						
P-level inlet – Sumatra	mg/l	0.08	0.08	0.67	0.47	0.88
P-level outlet – Sumatra	mg/l	0.09	0.09	1.05	1.07	0.26
P-level inlet – Kalimantan	mg/l	0.06	0.06	0.02	0.08	0.06
P-level outlet – Kalimantan	mg/l	0.07	0.06	0.01	0.08	0.04
N-level inlet – Sumatra	mg/l	5.17	4.95	2.71	1.70	2.97
N-level outlet – Sumatra	mg/l	5.33	5.22	2.86	1.94	1.23
N-level inlet – Kalimantan	mg/l	3.74	2.01	2.22	2.63	2.46
N-level outlet – Kalimantan	mg/l	3.79	2.36	2.06	2.24	1.85
Water discharged						
Upstream⁸						
Treated effluent discharge for land application						
Sumatra	m ³ (thousand)	1,183	996	1,030	1,022	994
Kalimantan	m ³ (thousand)	1,376	1,108	1,183	998	1,059
Treated effluent discharge to waterways						
Sumatra	m ³ (thousand)	122	133	207	109	74
Kalimantan	m ³ (thousand)	127	174	135	88	13
Total organic waste reused						
EFB	MT	19,200	20,319	19,561		
POME	m ³	2,559,117	2,103,680	2,213,371	2,020,000	2,043,908
Decanter solids	MT	47,480	45,956	64,633	69,770	66,673
Boiler ash	MT	30,731	25,123			

⁸ National regulatory thresholds are 100 parts per million (ppm) in waterways, 5,000 ppm for BOD in land applications, and 350 ppm for COD in waterways.

PILLAR 3:

Build Relationships with Suppliers, Customers and Stakeholders

Supply chain

[GRI 13.23.3]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Upstream						
Sourcing						
FFB volumes processed by own mills						
Own plantations	MT	2,727,497	2,578,755	2,546,003	2,414,967	2,703,918
Scheme smallholders	MT	142,688	134,787	114,064	103,953	110,036
Third-party FFB suppliers and independent smallholders via traders	MT	974,297	1,011,853	896,642	919,048	1,001,539
Independent smallholder – direct	MT	441	2	0	0	0
Third-party supplier plantations	no.	2	2	0		
Independent smallholders via traders	no.	16,450#	14,457	11,401		
Midstream						
Sourcing						
CPO supplier mills (excluding own mills)	no.	553	535	558	582	
CPO supply volume by source						
Own mills	%	12.87%	13.10%	15.32%	10.63%	10.97%
Supplier mills	%	85.91%	85.59%	83.89%	88.68%	89.01%
Intermediary traders	%	1.22%	1.31%	0.79%	0.69%	0.02%
CPO supply volume by country						
Indonesia	%	92.74%	94.42%	92.42%	93.53%	
Malaysia	%	6.36%	5.46%	6.60%	6.06%	
Other	%	0.90%	0.12%	0.98%	0.41%	
Traceability						
Traceability to mill	%	100%	100%	100%	100%	100%
Overall traceability to plantation (TTP)	%	97%	94%	83%	60%	56%
TTP for supplier mills	%	96%	93%	80%	58%	

EY has performed limited assurance procedures on these figures

PILLAR 3: Build Relationships with Suppliers, Customers and Stakeholders

Supply chain

[GRI 13.23.3]

Category/indicator	Measurement unit	FY 2022	FY 2021	FY 2020	FY 2019	FY 2018
Supplier Engagement						
Supplier mills that have attended NDPE workshops	%	92.86%	93.58%	76.07%	51.00%	
Supplier mills that have submitted NDPE commitments	%	96.51%#	92.53%	96.89%	80.00%	
Suppliers that have completed the Musim Mas Self-Assessment Tools	%	84.05%	77.26%	60.49%	24.48%	
Cumulative grievances raised and closed						
Third-party suppliers (cumulative since FY 2019)						
Raised	no.	68				
Closed	no.	45				
Active	no.	23				
Musim Mas own operations (cumulative since FY 2019)						
Raised	no.	5				
Closed	no.	4				
Active	no.	1 ⁹				

9 The case has now been dismissed by the RSPO Complaints Panel as of August 2023.

IUCN Red List of Threatened Species Identified at Musim Mas regions of operations

As of December 2022

[GRI 304-4, 13.3.5]

IUCN status	Common name	Common name (English)	Scientific name	Type
Critically Endangered	Cucak rawa	Straw-headed bulbul	<i>Pycnonotus zeylanicus</i>	Bird
	Biuku/Tuntong sungai	Southern river terrapin	<i>Batagur affinis</i>	Amphibian
	Kura-kura Sungai Kalimantan	Malaysian giant turtle	<i>Orlitia borneensis</i>	Amphibian
Endangered	Bangau bluwok	Milky stork	<i>Mycteria cinerea</i>	Bird
	Bangau storm	Storm's Stork	<i>Ciconia stormi</i>	Bird
	Cica-daun besar	Greater Green Leafbird	<i>Chloropsis sonnerati</i>	Bird
	Empuloh janggut	Grey-cheeked bulbul	<i>Alophoixus bres</i>	Bird
	Julang jambul hitam	Wrinkled hornbill	<i>Rhabdotorrhinus corrugatus</i>	Bird
	Bekantan	Proboscis monkey	<i>Nasalis larvatus</i>	Mammal
	Beruk	Southern pig-tailed macaque	<i>Macaca nemestrina</i>	Mammal
	Kalong besar	Large flying-fox	<i>Pteropus vampyrus</i>	Mammal
	Kukang sunda	Greater slow loris / Sunda slow loris	<i>Nycticebus coucang</i>	Mammal
	Monyet ekor panjang	Long-tailed macaque / common long-tailed macaque	<i>Macaca fascicularis</i>	Mammal
	Monyet kaca mata	Dusky langur/dusky leaf monkey	<i>Trachypithecus obscurus</i>	Mammal
	Owa Kalimantan	Bornean white-bearded gibbon / Bornean agile gibbon	<i>Hylobates albibarbis</i>	Mammal
	Owa ungko	Agile gibbon	<i>Hylobates agilis</i>	Mammal
	Siamang	Siamang	<i>Symphalangus syndactylus / Hylobates syndactylus</i>	Mammal
	Tapir Asia	Malayan tapir	<i>Tapirus indicus</i>	Mammal
	Kura-kura Batok	Southeast Asian box turtle	<i>Cuora amboinensis</i>	Amphibian
	Kura-kura Duri	Spiny turtle	<i>Heosemys spinosa</i>	Amphibian
	Kura-kura pipi putih	Black marsh turtle	<i>Siebenrockiella crassicollis</i>	Amphibian
Near Threatened	Jelarang bilalang	Pale giant squirrel	<i>Ratufa affinis</i>	Mammal
	Musang belang	Banded civet	<i>Hemigalus derbyanus</i>	Mammal
	Kura-kura Bergerigi	Asian leaf turtle	<i>Cyclemys dentata</i>	Amphibian
Vulnerable	Babi berjenggot	Bornean bearded pig	<i>Sus barbatus</i>	Mammal
	Berang-berang cakar kecil	Asian small-clawed otter	<i>Aonyx cinereus</i>	Mammal
	Beruag madu	Sun bear	<i>Helarctos malayanus</i>	Mammal
	Kedih	Thomas's langur	<i>Presbytis thomasi</i>	Mammal
	Lutung kelabu	Silvery lutung	<i>Trachypithecus cristatus</i>	Mammal
	Lutung merah	Red leaf monkey / maroon langur	<i>Presbytis rubicunda</i>	Mammal
	Rusa sambar	Sambar deer	<i>Rusa unicolor / Cervus unicolor</i>	Mammal
	Tarsius bangka	Horsfield's tarsier / Bornean tarsier	<i>Cephalopachus bancanus / Tarsius bancanus</i>	Mammal
	Senyulong/buaya sepit	False gharial	<i>Tomistoma schlegelii</i>	Reptile
	Ular kobra/ular anang	King cobra	<i>Ophiophagus hannah</i>	Reptile
	Bulus	Asiatic softshell turtle	<i>Amyda cartilaginea</i>	Amphibian
	Kura-kura tempurung lunak	Chinese softshell turtle	<i>Pelodiscus sinensis</i>	Amphibian