

# PROGRAM KONSER MAS

## Ex-Situ Conservation Program

### Maleo Sengkawor (*Macrocephalon maleo*)

**68**  
Birds

**Maleo Sengkawor Population**  
On Ex-situ Conservation Facilities  
PT Panca Amara Utama (As of July 2024)

**161**  
Egg  
Hatched

**Total number of eggs hatched**  
in Ex-Situ Conservation Facilities  
PT Panca Amara Utama  
From 2022-2024 (as of July 2024).

**11%**

Contribution  
Towards the **Total Population**  
**Maleo Sengkawor in the World**



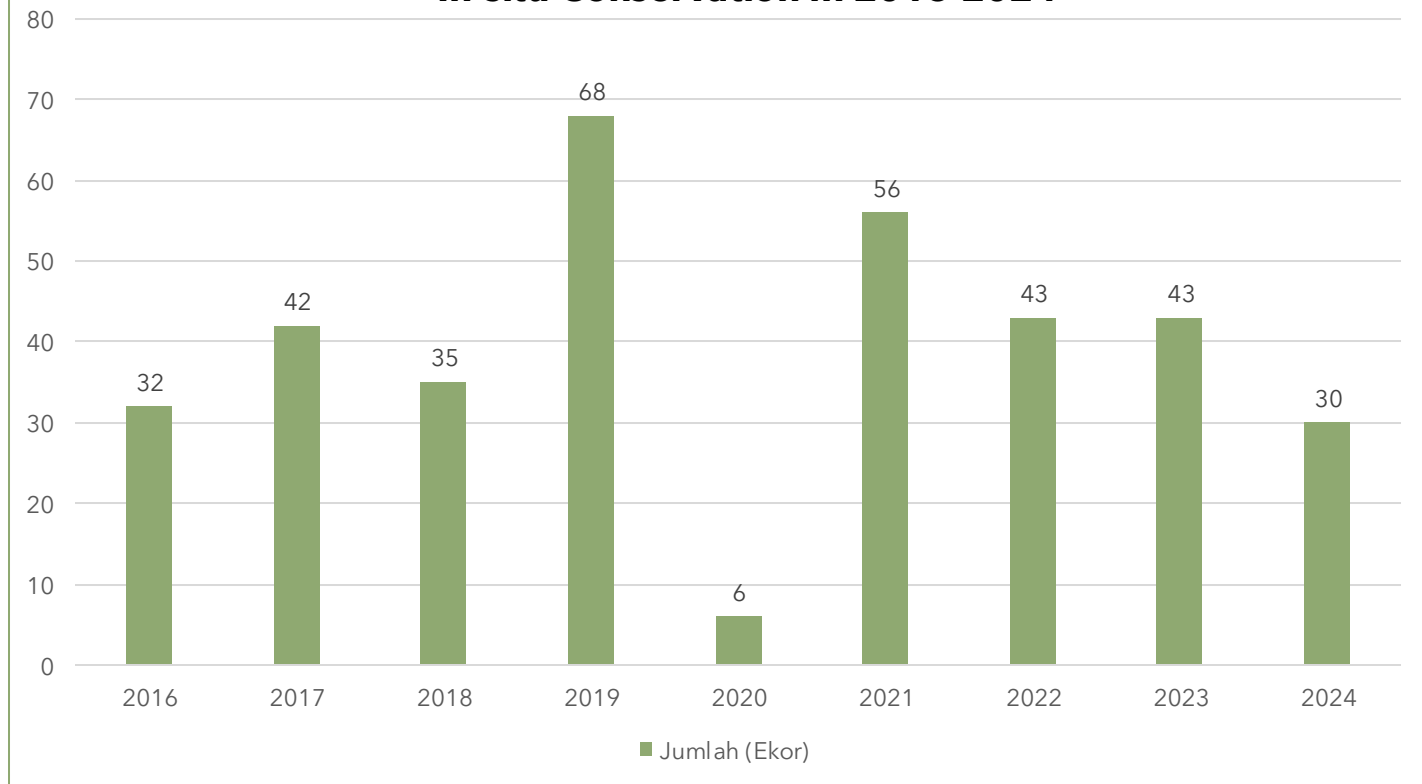


# PROGRAM KONSER MAS

## Contribution of the Ex-Situ Maleo Sengkawor Conservation Program



**Total Release of Maleo Sengkawor towards In-situ Conservation in 2016-2024**





Release of Maleo Conservation PT PAU together with

Mr. **RAHUL PURI**

(**Commissioner of PT PANCA AMARA UTAMA**)



**Bakiriang Wildlife Conservation Site**



# Melepas MU Malam Program (Releasing Maleo PAU to Protect Nature)

**Pelepasanliaran**

**355  
BIRDS**

di Berbagai Sarana Konservasi,  
Seperti **Suaka Margasatwa Bakiriang**  
Sejak Tahun **2016-2024** (per Juli 2024).

PT Panca Amara Utama's Ek-situ Conservation and Maleo Sengkawor Release Program proactively involves various stakeholders, such as indigenous peoples, Maleo observers, academics, government agencies (BKSDA, Police, Soldiers), and foundations related to biodiversity conservation programs



**essa**

PT Panca Amara Utama



# PAU Hijau Program

**48** Total species identified in PT Panca Amara Utama's operational area in 2022-2024

Total Species Last 3 Years

**40** Species of the reforestation program identified in the operational area of PT Panca Amara Utama in 2024.

New Species Planted in 2024

**2.72** Shannon-Weaner Biodiversity Index (H') values indicating **Moderate Diversity Levels**

Biodiversity Index (H')

**960** Total number of individuals (stems) identified in PT Panca Amara Utama's operational area in 2024

Total Number of Plantings (Stems)



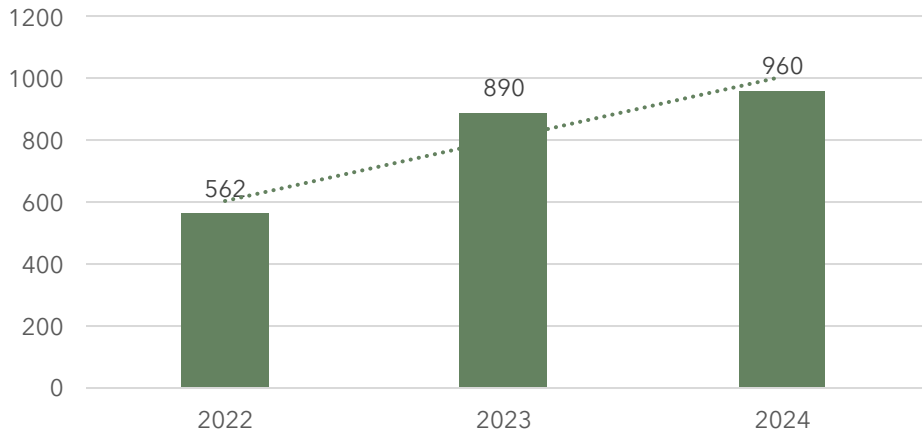
Total Area of the PAU Hijau Program (Ha)

2022	2023	2024
2 Ha	2 Ha	5.35 Ha

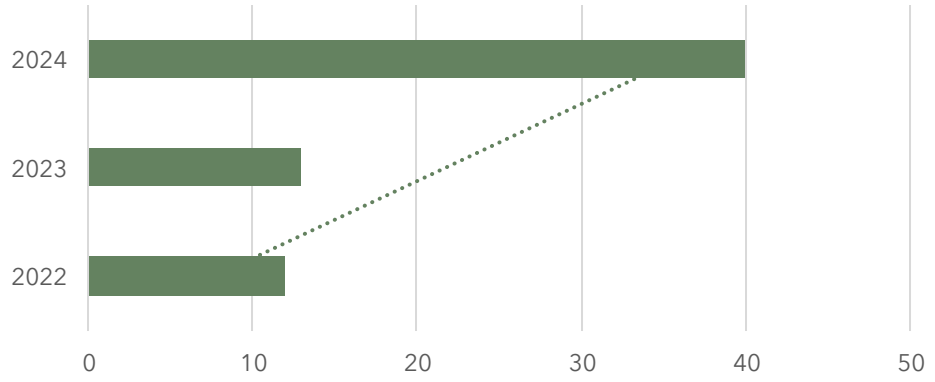


# The Absolute Value of the PAU HIJAU Program

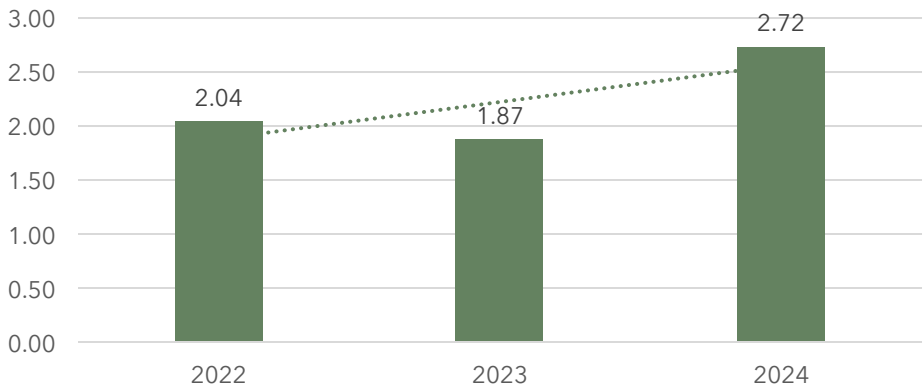
### Total PAU HIJAU Program Planting Year 2022-2024 (Batang)



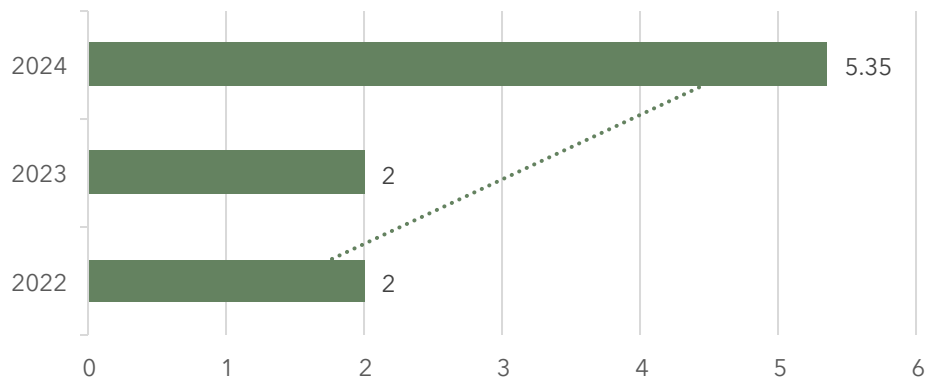
### Number of Cultivated Varieties PAU HIJAU Program (Species) Year 2022-2024



### Biodiversity Index (H') PAU HIJAU Program Year 2022-2024



### Total Covered Area of the PAU HIJAU Program (Ha) Year 2022-2024





# Evaluation of the Status of Biodiversity Levels in the Conservation Area of **PT Panca Amara Utama**



**Secondary Forest Area  
PT Panca Amara Utama**



**Bakiriang Wildlife Sanctuary Forest  
(Coastal Area, Swamp, and Hills)**





PT Panca Amara Utama



# COLLABORATION TO MONITOR THE STATUS OF BIODIVERSITY IN THE CONSERVATION AREA OF PT PANCA AMARA UTAMA



Data Collection and Observation of Flora Status



Identify Flora by ecosystem type



Monitoring and Data Collection of Fauna Conservation Areas



The use of Camera Traps in mammal data collection



Analysis of Aquatic Biota Operational Area

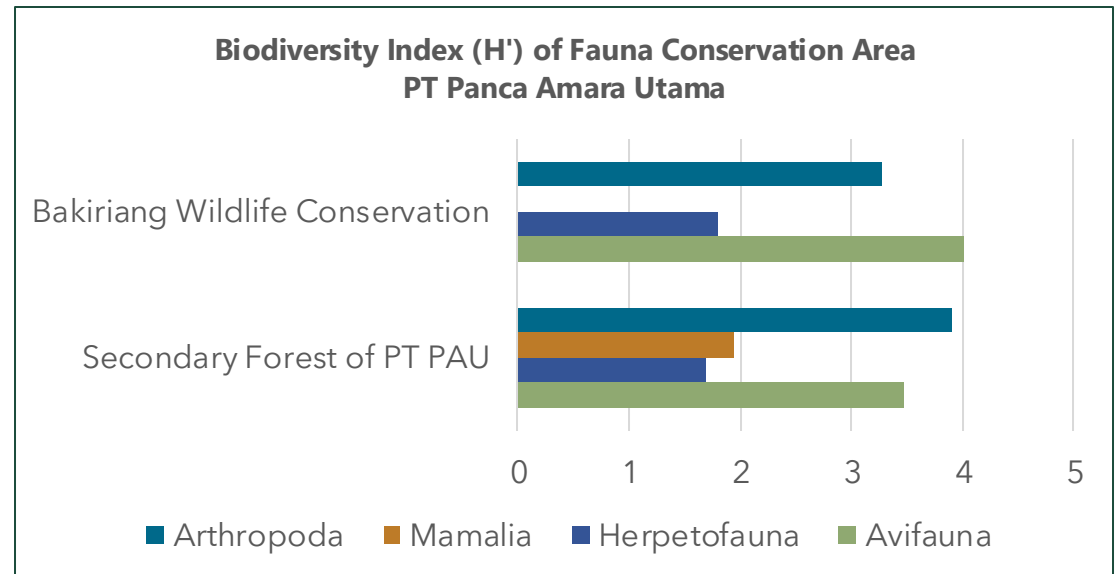
# Absolute Value of Evaluation of Biodiversity Level Status of Conservation Areas

FAUNA IDENTIFIED

Indicator	Secondary Forest Conservation Area of PT Panca Amara Utama				PT Panca Amara Utama Conservation Area in Bakiriang Wildlife Sanctuary Forest			
	Avifauna	Herpetofauna	Mamalia	Arthropoda	Avifauna	Herpetofauna	Mamalia	Arthropoda
Diversity Index (H')	3.4788	1.689	1.951	3.91	4.008	1.804	NA	3.274
Number of Individuals (Ni)	469	136	21	605	718	44	8	433
Total Species	55	8	5	101	82	12	8	54
Program Area (Ha)	13.58				21.24			

NA: Assumed to be on point but not directly monitored

H' Value	Interpretation
$H' < 1.00$	Low diversity; shows that environmental factors greatly influence life organism
$1.00 < H' < 3.00$	Moderate diversity; shows that the factors The environment affects the life of organisms
$H' > 3.00$	High diversity; shows that environmental factors do not have an influence on Organism Life





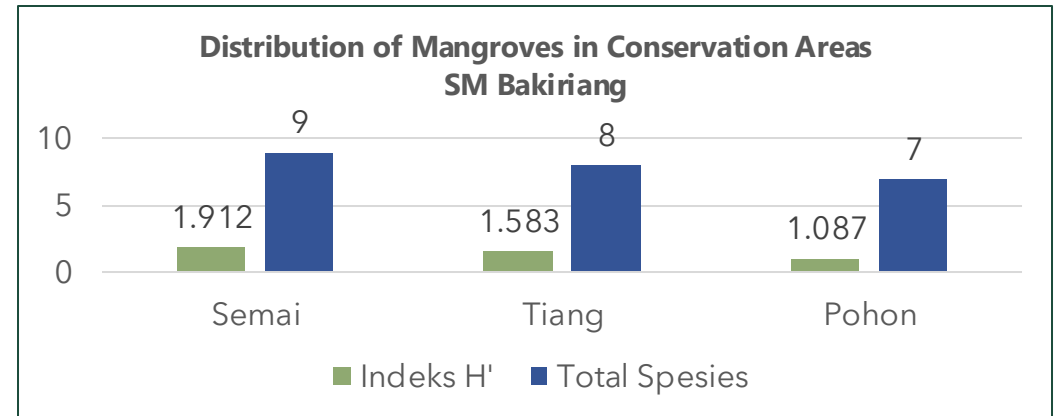
# Absolute Value of Evaluation of Biodiversity Level Status of Conservation Areas

FLORA IDENTIFIED

Indicator	Secondary Forest Conservation Area of PT Panca Amara Utama				PT Panca Amara Utama Conservation Area in Bakiriang Wildlife Sanctuary Forest			
	Seedling	Sapling	Pole	Tree	Seedling	Sapling	Pole	Tree
Diversity Index (H')	2.673	2.608	2.864	2.751	3.2543	3.55	3.165	2.831
Number of Individuals (Density/Ha)	217500	28400	2375	1025	106041.7	15900.01	3400	399.97
Total Species	25	28	24	21	35	43	36	23
Program Area (Ha)	13.58				21.24			

The value of the Shannon-Wiener (H') diversity index of the flora community in the secondary forest at the PT Panca Amara Utama site is included in the **Medium Diversity category**

The majority of the value of the Shannon-Wiener (H') diversity index of the flora community in the conservation forest area of PT Panca Amara Utama in BC. **Bakiriang is in the category of High Diversity**



	Seedling	Pole	Tree
Counted Individuals	44	45	104

# ENDANGERED AND PROTECTED FAUNA



Maleo Sengkawor	Macrocephalon Maleo
Permen LHK No 106 Tahun 2018	<b>Protected</b>
IUCN	<b>Critically Endangered</b>
CITES	<b>Appendix I</b>



Elang-Ular Sulawesi	Spilornis rufinectus
Permen LHK No 106 Tahun 2018	<b>Protected</b>
IUCN	<b>Least Concern</b>
CITES	<b>Appendix II</b>



Monyet Boti	Macaca tonkeana
Permen LHK No 106 Tahun 2018	<b>Protected</b>
IUCN	<b>Vulnerable</b>
CITES	<b>Appendix II</b>



Wili-Wili Besar	Esacus magnirostris
Permen LHK No 106 Tahun 2018	<b>Protected</b>
IUCN	<b>Near Threatened</b>
CITES	-



Kuskus Kerdil	Strigocscus celebensis
Permen LHK No 106 Tahun 2018	<b>Not Covered</b>
IUCN	<b>Near Threatened</b>
CITES	<b>Appendix II</b>



Serindit Sulawesi	Loriculus stigmatus
Permen LHK No 106 Tahun 2018	<b>Protected</b>
IUCN	<b>Least Concern</b>
CITES	<b>Appendix II</b>