



*Prosper with the Nation*

PT ASTRA AGRO LESTARI TBK

# PROGRESS REPORT ON SUSTAINABILITY

FOURTH QUARTER UPDATE



2024



# Introduction

In 2024, the Company made significant progress in advancing its sustainability efforts, aligning with the targets outlined in the 5-Year Action Plan (available at [link](#)). True to its commitment to sustainable practices, the Company successfully achieved key milestones while continuing to address challenges that arose during the process. These efforts encompass a range of initiatives, including High Conservation Value (HCV) assessments, rehabilitation programs, biodiversity monitoring, fire management in collaboration with Community Cares for Fire (MPA), peatland management, greenhouse gas (GHG) emissions reduction, responsible CPO and FFB sourcing, smallholder support programs, Orang Rimba initiatives, and community empowerment efforts in Sulawesi. The following highlights offer a detailed overview of the Company's activities and progress throughout the year.

For more updates regarding the ongoing concerns raised by Friends of the Earth (FoE) concerning the three subsidiaries—PT Agro Nusa Abadi, PT Mamuang, and PT Lestari Tani Teladan—please visit this link, <https://www.astra-agro.co.id/en/statements/>.

# HCV ASSESSMENT

## Milestones HCV Assessment by 2024

Building on the progress from the previous quarter, our HCV assessment activities have made significant strides by the end of Q4 2024. We successfully completed assessments for eight subsidiaries, surpassing the 2024 target of six subsidiaries. This brings the total number of completed HCV assessments to 20 subsidiaries since 2021. Additionally, eight subsidiaries have entered the Pre-Assessment stage, increasing the total to 13 subsidiaries, while one subsidiary that was previously in the Scoping Study phase has now advanced to the Full Assessment stage. For a detailed breakdown of our 2024 HCV assessment progress, please refer to the table below.

### HCV Assessment Planning for 2024 and Its Progress

Stage	Number of PT (s)				
	Target 2024	Realization			
		Q1 2024	Q2 2024	Q3 2024	Q4 2024
Pre-Assessment	8	7	4	5	13
Scoping Study	2	2	2	1	-
Full Assessment	3	2	5	1	1
Public Consultation	3	-	-	3	-
Completion of Assessment	6	-	-	4	8

Throughout the 2024 HCV assessment activities, a key challenge was the limited understanding among local communities about the concept and importance of HCV assessments. To address this, we implemented a thorough socialization process using the Free, Prior, and Informed Consent (FPIC) framework, ensuring communities were informed and engaged. Field officers often had to provide repeated explanations to ensure clarity and build trust. Despite initial hurdles, the community responded positively, particularly regarding program implementation,

activity schedules, and the Company's social and environmental commitments. As communities understood the benefits—such as ecosystem protection and sustainable land use—their support grew. This support is crucial for the long-term success of identifying and managing High Conservation Value areas, fostering community ownership and ensuring effective conservation outcomes.

## HCV Landscape

The High Conservation Value (HCV) assessment process is currently focused on the Siak Regency Landscape, a region marked by a complex supply chain involving multiple stakeholders, such as oil palm smallholders, alongside sustainability-driven efforts by the local government. This activity represents Astra Agro's support for sustainability programs in the region. The implementation and evaluation of the HCV assessment in the Siak Landscape are expected to serve as a model for similar activities in other priority landscapes.

Field verification of non-priority partners was conducted to ensure compliance with AAL's sustainability policy, using a village-based approach for FFB sourcing. This effort assessed partners' alignment with sustainability standards and examined FFB supply chain complexities near potential HCV areas. By Q4 2024, key achievements included supply chain mapping, HCV analysis, smallholder interviews, field verification, and environmental risk assessments.

Three networking partners in Siak Regency were identified, along with their smallholders, who have implemented sustainability practices since 2013, such as peat ecosystem management and prohibiting forest clearing for oil palm plantations. While most smallholders operate independently, capacity-building is needed to improve productivity. This partnership strengthens sustainability practices at the smallholder level and supports the HCV assessment in the Siak Regency Landscape, advancing sustainable palm oil production.

Furthermore, stakeholder mapping at the landscape level was carried out aiming to identify the roles and influence of stakeholders in protecting and managing HCV areas in the Siak Landscape. This quarter's achievements were based on literature studies and discussions with HCV experts and local stakeholders in Siak Regency. The study identified 53 stakeholders across various categories including government, civil society organizations (CSOs), academics,



and companies (plantation, mining, and forestry). The mapping helps assess the importance and influence of each stakeholder, guiding engagement methods for HCV protection and management. It also supports the development of collaborative protection strategies and the implementation of the Company’s sustainability policies. By achieving these two targets, the study is expected to significantly contribute to the protection and sustainability of HCVs in Siak Regency.

# \*REHABILITATION PROGRAM\*

The Company remains committed to ecosystem improvements through various rehabilitation programs, including riparian, and mangrove area rehabilitation, alongside other initiatives. These activities are carried out both internally and in collaboration with stakeholders, including the local communities. In the fourth quarter of 2024, the Company successfully planted 29,934 trees across 156.88 hectares, primarily consisting of forest, fruit, and mangrove tree species. With this achievement, a total of 60,611 trees were planted across 231.33 hectares from the beginning to the end of 2024, spread across Sumatra, Kalimantan, and Sulawesi. The distribution of rehabilitation efforts in 2024 is shown in the table below.

Recapitulation of Rehabilitation in 2024

Operational Area	Rehabilitation Area					
	Riparian		Mangrove		Other Land	
	Trees	Area (ha)	Trees	Area (ha)	Trees	Area (ha)
Aceh (3 PT)			6,500	2.21	679	1.92
Jambi (1 PT)					80	0.20
Riau (4 PT)	16,266	104.10			75	0.48
East Kalimantan (4 PT)	589	4.06			282	2.09
Central Kalimantan (1 PT)	4,509	32.97			1,371	10.10

Operational Area	Rehabilitation Area					
	Riparian		Mangrove		Other Land	
	Trees	Area (ha)	Trees	Area (ha)	Trees	Area (ha)
South Kalimantan (1 PT)	206	0.62			253	1.14
West Sulawesi (5 PT)	6,806	42.82	18,400	1.25	953	4.98
Central Sulawesi (1 PT)	3,370	21.48			272	0.90
<b>Total</b>	<b>31,746</b>	<b>206.05</b>	<b>24,900</b>	<b>3.46</b>	<b>3,965</b>	<b>21.81</b>

## Riparian Rehabilitation

The riparian rehabilitation program involves active participation from employees and local communities to raise awareness about environmental preservation. In Q4, the planting activities were carried out by employees (sustainability workers) and local community members who were employed on a project-based for tree planting along the riparian zones. The hired workers came from villages of Tinauka, Pawalutan, Rio Mukti, and Martasari. A total of 26 tree species were planted, including rare species like Ulin (*Eusideroxylon zwageri*) and Balangeran (*Shorea balangeran*), as well as fruit trees such as Jackfruit (*Artocarpus heterophyllus*), Matoa (*Pometia pinnata*) and Rambutan (*Nephelium lappaceum*), all aimed at supporting biodiversity and providing food for animals. By the end of 2024, the program had planted 31,746 trees over 206.05 hectares across 17 subsidiaries, surpassing the 2024 target set in the 5-Year Action Plan.

## Mangrove Rehabilitation

Next is the mangrove rehabilitation program, which collaborates with local governments and farmer groups around the village. In the fourth quarter, 5,100 mangroves were planted across 0.54 hectares in two locations: Aceh Singkil Regency and Pasangkayu Regency. In total, 24,900 mangroves were planted in 2024, covering an area of 3.46 hectares.



## a. Aceh Singkil Regency

To close the 2024 mangrove rehabilitation program in Kilangan Village, Aceh Singkil Regency, a joint planting event was held with the participation of around 40 people, including local communities and educational institutions. The event was attended by PT PLB management, the Head of the Aceh Singkil District Environment Office, the Head of Kilangan Village, teachers, environmental ambassadors from SMAN 1 Gunung Meriah District, and the local community, who gathered at the Teluk Bayu Brackish Forest Farmer Group (KT HPTB). Together, they planted 100 mangroves at the location. By the end of 2024, a total of 5,100 mangroves had been planted in Aceh Singkil, covering 2.04 hectares. This program, from nursery to planting and maintenance, has been carried out by the KT HPTB farmer group, which consists of local community members.



Joint planting activity in Aceh Singkil Regency

### More information is available at the following links:

- <https://metrodaily.jawapos.com/aceh/2355255997/ajak-siswa-tanam-mangrove-astra-agro-libatkan-dunia-pendidikan-peduli-lingkungan>
- <https://antaranews.com/edukasi-siswa-sman-1-gumer-pt-plb-ajak-tanam-mangrove-di-pesisir-pantai-singkil/>
- <https://www.waspada.id/aceh/pt-plb-ajak-siswa-tanam-mangrove-di-aceh-singkil/>
- <https://ketik.co.id/berita/lestarian-hutan-bakau-dlh-aceh-singkil-bersama-pt-plb-tanam-5000-bibit-di-pesisir-singkil-lama>

## b. Pasangkayu Regency

Meanwhile, on the eastern tip of Indonesia, in Ako Village, Pasangkayu District, Pasangkayu Regency, mangrove planting was carried out by oil palm plantations in the West Sulawesi area (PT TSL, PT PSKY, PT LTW, PT MMG, and PT SRL) as part of efforts to improve the coastal environment. In the fourth quarter, planting activities were limited due to high wave conditions. As a result, the focus shifted to mangrove insertion, nursery, and planting during calmer wave periods, with a total of 5,000 mangrove seedlings planted across 0.25 hectares. These 5,000 seedlings were part of a total of 17,500 seedlings prepared by the end of the third quarter. The remaining seedlings are still being stored. As of the fourth quarter, 20,000 propagules (seedlings) have been collected and will be planted in 2025. These propagules were provided by the people of Ako Village, who are members of local farmer groups.



Mangrove planting activities in Ako Village



## Other Rehabilitation

Other rehabilitation efforts are carried out within the Company's concessions in various areas, including conservation zones, housing, offices/mills, and reservoirs, particularly during specific occasions and to improve habitat in forested areas. The Company's involvement in these activities reflects a commitment to maintaining the microclimate at planting sites. However, these activities face challenges, such as engaging with the community to determine priority rehabilitation locations. Despite these challenges, in this quarter, the Company successfully planted 1,020 trees across 10 PTs, covering 5.17 hectares.

In commemoration of the 20<sup>th</sup> anniversary of the Tsunami in Aceh, the Governor of Aceh issued a circular for the Greening Nanggroe Aceh Action Movement (TAHIROE ACEH), inviting companies in the Aceh region to participate in a simultaneous tree planting on December 24, 2024.



A synchronized tree planting activity

Further information can be found at the following link:

- <https://portalaceh.inews.id/read/537430/peringatan-20-tahun-tsunami-aceh-pt-plb-tanam-ribuan-pohon-di-aceh-singkil>

# \*BIODIVERSITY MONITORING\*

In 2024, we continued our biodiversity inventory and monitoring program within the Company's concessions as part of our environmental conservation efforts. We identified 131 new species of flora and 49 new species of fauna around our concessions. Among the plants found was Jongi (*Dillenia celebica*), a Sulawesi-endemic species listed as Endangered (EN) by the IUCN. Notable fauna discoveries included the Bear Cuscus (*Ailurops ursinus*) and Tarsier (*Tarsius dentatus*), both endemic to Sulawesi and also classified as Endangered (EN). With these additions, our total species record from 2015 to 2024 now stands at 914 flora species and 652 fauna species within the Company's concession areas.



Jongi (*Dillenia celebica*)

We also continue our umbrella species conservation program, which is a key focus of biodiversity protection within the concession. The Company regularly monitors the populations of umbrella species and ensures the availability of food trees, which are crucial for maintaining habitat sustainability and supporting the survival of various species. As of 2024, the monitoring status of umbrella species is as follows:

Species	Status up to Q4 2024	Key Records
Proboscis Monkey ( <i>Nasalis larvatus</i> ) Central Kalimantan	<ul style="list-style-type: none"><li>Population monitoring is conducted routinely every month on permanent plots in forested areas with riparian and secondary swamp forest ecosystems. The field team also conducts exploration in several forest patches with potential encounters of these species</li><li>During the observation, 3 groups were found with 3-4 individuals per group</li></ul>	Proboscis Monkey has been observed utilizing Benda ( <i>Artocarpus sp.</i> ), Banyan ( <i>Ficus spp.</i> ), and Resak ( <i>Vatica sp.</i> ) trees as food sources



Species	Status up to Q4 2024	Key Records
Müller's Bornean Gibbon ( <i>Hylobates muelleri</i> ) East Kalimantan	<ul style="list-style-type: none"> <li>Monitoring was carried out in forest fragments within the Company's subsidiaries that have been mapped as habitat for the Müller's Bornean Gibbon</li> <li>During monitoring, 4 groups were found with an approximate number of 1-3 individuals per group, an increase compared to previous year's monitoring</li> </ul>	Gibbons utilize the forest within the concession as their habitat, with various species of Ficus from the Moraceae family serving as their primary food source
Hornbill Group ( <i>Bucerotidae</i> ) East Kalimantan	<ul style="list-style-type: none"> <li>Species monitoring is routinely carried out in forest patches around oil palm plantations within the Company's concessions</li> <li>Four species were identified: Black Hornbill (<i>Anthracoceros malayanus</i>), Oriental pied Hornbill (<i>Anthracoceros albirostris</i>), Rhinoceros Hornbill (<i>Buceros rhinoceros</i>), and Wreathed Hornbill (<i>Rhyticeros undulatus</i>)</li> </ul>	Four out of the seven hornbill species were recorded in the concession. This decrease is likely due to the limited coverage of the monitoring area
Tonkean Macaque ( <i>Macaca tonkeana</i> ) West Sulawesi	<ul style="list-style-type: none"> <li>Monitoring was also conducted routinely in the karst forest area, which consists of one large patch, as well as in the oil palm plantations area</li> <li>Two species groups, each consisting of 5-8 adult and juvenile males and females, were found</li> </ul>	The species, which form small groups, use the forest areas within the concession for both food and habitat. As part of the <i>Macaca tonkeana</i> conservation effort, the team planted trees that serve as food sources

# FIRE MANAGEMENT SYSTEM

## Rainfall Monitoring

In Q4 2024, based on the results of monitoring rainfall predictions from BMKG ([www.bmkg.go.id](http://www.bmkg.go.id)) and by measuring precipitation in the field using AWS (Automatic Weather System) equipment, most parts of Indonesia began to enter the rainy season, with rainfall recorded > 100mm in October to December 2024.

The dry season this year posed a unique challenge for the Company in implementing fire prevention and mitigation activities. Based on satellite monitoring (BRIN Hotspot) and fire prevention patrols across the concession area, we recorded three hotspot locations in East Kalimantan and South Kalimantan during Q4. However, similar to the situation in Q3, a direct ground check conducted in collaboration with the police found no active fires on the ground. As a follow-up, we have

prepared a ground check report for both the police and the Company. Additionally, to strengthen fire prevention effort, the Company routinely socialize awareness programs and conduct joint patrols with the Community Care for Fire (MPA), Manggala Agni, the Indonesian National Armed Forces (TNI), and the police. These collaborative efforts proved effective, as by the end of Q4, while 12 hotspots were recorded, no fires occurred within the concession area.

Q4 Rainfall Data, External Hotspots, and Internal Firespots up to Q4 2024

Area	Rainfall Rate Q4 2024 (mm)			Hotspot in area <1km from HGU (up to Q4 2024)	Firespot inside HGU (up to Q4 2024)
	October	November	December		
Aceh	105	150	156	0	0

Area	Rainfall Rate Q4 2024 (mm)			Hotspot in area <1km from HGU (up to Q4 2024)	Firespot inside HGU (up to Q4 2024)
	October	November	December		
Riau	197	149	116	0	0
Jambi	155	329	247	0	0
Central Kalimantan	178	323	214	0	0
South Kalimantan	356	268	400	9	0
East Kalimantan	130	206	211	13	0
West Sulawesi	496	440	229	0	0
Central Sulawesi	211	291	304	2	0
Total				24	0

## Fire Prevention

Throughout 2024, the Company successfully carried out various activities to anticipate the possibility of fires during the dry season. These activities included maintaining extinguishing facilities and infrastructure, improving infrastructure (such as water sources and monitoring towers), Emergency Response Preparedness (TKTD) team training, and conducting fire prevention and mitigation awareness programs for both internal employees and the surrounding community. Additionally, we also conducted fire preparedness verification audits, both internally and with external parties, to ensure preparedness in facing the dry season. Thus, all preparations have been made to anticipate fires that may occur this year.



## Collaboration Program with Community Cares for Fire (MPA)

To enhance safety in fire-prone areas, the Company continues to collaborate with communities through the establishment of Community Care for Fire (MPA) or Farmers Care for Fire Groups (KTPA) to prevent land fires during the dry season. As of Q4 2024, the Company has established one new MPA in October and two self-sufficient MPAs in the previous two quarters (Q2 and Q3). In total, the Company has successfully fostered 122 MPAs, 25 of which are self-sufficient.

Based on our annual mapping update of fire-prone areas around the concession (community areas or outside the concession), we identified several areas prone to fires. To anticipate this, we took the initiative to expand community involvement by forming one new MPA to broaden the fire prevention area. Specifically, in October 2024, the Company partnered with the Forestry Department of Central Sulawesi Province and the Forest Management Unit (KPH) of Poso Regency to form and conduct socialization activities with the community of Singkona Village. The goal is to reduce the fire risks that frequently occur in Singkona Village due to land clearing by burning. This initiative marks the establishment of a new MPA at PT SJA2. We hope that with the formation of this new MPA, the local community will become more active in fire prevention and mitigation efforts in the surrounding village areas.



Establishment of new MPA at PT SJA2

Number of MPA and Self-sufficient MPA programs as of Q4 2024

Area	Total MPA	Self-sufficient MPA		
		Total	Location	Program
Aceh	4	-	-	-
Riau	20	6	Pelalawan Regency, Siak Regency	Watershed location guarding, economic improvement, provision of fishing aids
Central Kalimantan	3	-	-	-
Jambi	3	-	-	-
East Kalimantan	28	4	Paser Regency, Penajam Paser Utara Regency	Forest fire prevention, Karhutla patrols, activating idle land
South Kalimantan	38	14	Hulu Sungai Utara Regency, Hulu Sungai Selatan Regency	Forest fire prevention, Karhutla patrols, activating idle land, water level maintenance
West Sulawesi	5	-	-	-
Central Sulawesi	18	1	Poso Regency	Activating idle land, maintaining water levels, creating drainage streams
<b>Total</b>	<b>122</b>	<b>25</b>		

## Multi-stakeholder Collaboration Program

Throughout 2024, based on the milestones of the 5-Year Action Plan, we continued to expand our fire prevention initiatives in the vicinity of the Company's operations (Siak, Pelalawan, Tapin, Hulu Sungai Selatan, Hulu Sungai Utara and Kutai Timur). We also maintained communication

with local stakeholders regarding the design of collaborative fire prevention programs in these areas, as well as efforts to reduce the potential risk of fire incidents. In Q4 2024, the Company implemented a forest and land fire prevention (Karhutla) program to minimize fire occurrences on community lands, in collaboration with various stakeholders, carried out in Siak and Pelalawan. This activity aimed to broaden stakeholder involvement and expand fire monitoring areas. The activities conducted included, among others:

#### **a. Siak Hijau**

Until Q4 this year, the Company continued to coordinate and contribute to activities under the Green Siak Coalition program. This initiative, launched by the Siak Regency Government, aims to improve the community's economy. The program brings together oil palm plantation companies and Industrial Forest Plantations (HTI) in Siak Regency to collaborate on community development and fire prevention efforts. This year, we also provided assistance and participated in extinguishing fires in Dayun District, Siak Regency, working closely with the Dayun Police, Siak Police, TNI, the Civil Service Police Unit, the Regional Disaster Management Agency, and Manggala Agni.

#### **b. Pelalawan Cluster**

Until Q4, the Company continued to engage with and contribute to the Pelalawan Cluster program by conducting joint firefighting efforts in the Mak Teduh Village, Kerumutan, and Pangkalan Tampoi areas. In this program, the Government collaborates with all oil palm and HTI plantation companies in Pelalawan Regency to work together on community development and fire management.

## **Monitoring in Suppliers' Operation Area**

Until the end of Q4, we continued to monitor hotspots in the FFB and CPO supply areas. Based on the monitoring results, there were no warnings or alerts related to hotspots or fires in these areas.



# PEATLAND MANAGEMENT

We continue to support research efforts by actively collaborating with various educational and research institutions in Indonesia. This quarter, the Company's research collaboration with a team of researchers from IPB University and the University of Lampung (UNILA), funded by the Indonesian Palm Oil Plantation Fund Management Agency (BPD PKS), has entered the monitoring, measurement, and equipment maintenance stages. The research team from UNILA measured CO<sub>2</sub> gas concentrations at various heights in oil palm plantations located on peatlands. This activity was conducted to monitor the flow of CO<sub>2</sub> from the land to the atmosphere, in line with the research objectives: measuring greenhouse gas (GHG) emissions from peatlands in oil palm plantations, particularly in Kalimantan. Meanwhile, the IPB University team carried out routine measurements and sampling at the research site.

Throughout 2024, the work process, equipment installation, and measurements for this research have progressed smoothly. This began with the construction of a CO<sub>2</sub> measurement tower above the palm canopy, followed by electrical installation, equipment calibration, and maintenance. All activities have been completed successfully and are now entering the measurement and data recording phase.





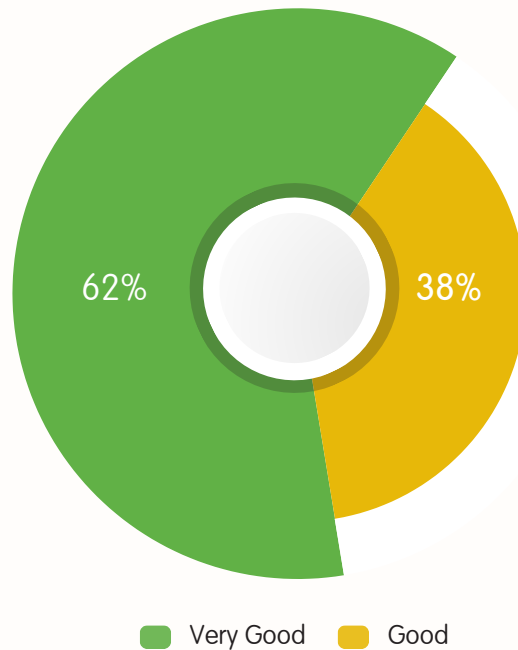
Measuring and monitoring flow of CO<sub>2</sub> gas concentrations  
with UNILA and IPB University Team

## Sustainable Peatland Management through National Regulation Compliance

As of Q4, AAL has successfully completed semi-detailed soil field surveys in all areas identified as having peat, both inside and outside the Peat Hydrology Area (KHG) as defined by the Ministry of Environment and Forestry (KLHK). Achieving 100% verification of peat areas is a significant milestone, ensuring proper management of peatland in all regions where the Company operates, including Aceh, Riau, Jambi, East Kalimantan, South Kalimantan, West Sulawesi, Central Sulawesi, and South Sulawesi.

Next, regarding the verification activities for the KHG/National Peat Ecosystem Function (FEGN) map adjustment and the peat ecosystem recovery program with KLHK, 27% of the Company's concessions involved in the recovery program have not yet been verified. Additionally, 45% of the concessions require follow-up field verification based on the KHG/FEGN inventory survey results from KLHK. We continue to engage proactively to ensure the successful completion of the map adjustment and peat ecosystem recovery program.

#### Astra Agro Lestari's Peat Management Percentage Rating based on SPM



The ongoing Sustainable Peat Management (SPM) assessment process, conducted through a desk study with the Indonesian Peat Community Association (HGI), has shown improvements in the assessment results. This quarter, there was positive progress, as shown in the chart above, with 38% ranked as "Good" and 62% achieving a "Very Good" rating for AAL peat management. Several critical criteria, such as water balance, infrastructure, wetting and monitoring, and water system performance, play a significant role in the SPM assessment and require regular monitoring. This achievement reflects the Company's commitment to implementing best practices and continuously improving its peat management performance, including increasing the "Very Good" rating in line with the criteria and parameters outlined in the SPM.



## Support for Smallholders on Plantations in Peatland

Currently, our main focus is to procure Fire Danger Rating Systems (FRDS) tools in priority partner areas, with a particular focus on South Kalimantan region. This procurement aligns with the Decree of the Director General of Pollution Control and Environmental Damage (PPKLHK) No. 3 of 2019 and ISPO Principles & Criteria in 2020 for independent smallholders. The purpose of this procurement is to ensure that every step taken complies with the established regulations and standards, while maximizing the benefits for environmental management and peatland sustainability.

As of 2024, support for smallholders in fulfilling FDRS requirements has been provided to 22 partners across six concessions, which represents 66% of the total number of concessions that have been intervened. However, several challenges have arisen during implementation. One of the main obstacles is the lengthy procurement process. Additionally, socialization activities must be coordinated with the schedules of the HGI team, which primarily consists of academics. Another challenge is ensuring the continuity of monitoring by smallholders after the system is in place. Despite these challenges, we remain committed to overcoming these hurdles to ensure the successful implementation of effective monitoring tools and the continued support of sustainable peatland management.

# GHG EMISSIONS AND REDUCTION PROGRAMS

Throughout 2024, the Company has calculated GHG emissions for Scope 1 and Scope 2. By December 2024, total emissions amounted to 765,146.09 tons CO<sub>2,eq</sub>, with Scope 1 emissions accounting for 753,700 tons CO<sub>2,eq</sub> (97.8% of total emissions), and Scope 2 emissions at 11,445.30 tons CO<sub>2,eq</sub> (2.2% of total emissions). This represents a decrease compared to 2023, where emissions were recorded at 904,449 tons CO<sub>2,eq</sub>. The reduction in emissions is attributed to several factors, including a decrease in CPO production, which led to a reduction in POME emissions, lower mobile vehicle diesel emissions due to the implementation of the full-to-full program (a fuel-efficient refueling strategy where tanks are only refilled when empty), reduced coal use, and lower electricity consumption. However, fertilizer-related emissions increased due to high demand for fertilizer materials in the field.

In addition, the Company has implemented various GHG emission reduction programs in its operations. The emission reduction achieved from these programs reached 15.14%, surpassing the 2024 target of 13.50%. This success was primarily driven by the operationalization of a biogas plant (methane capture) at PT TPP in Riau Province, which began in November 2024. This program effectively reduced emissions from palm oil mill effluent (POME).

The other emission reduction programs implemented up to Q4 2024 include:

- Reduction of chemical fertilizer use through the application of POME and biological fertilizer "Astemic", resulting in reduction of 19.35 ktCO<sub>2,eq</sub>
- Substitution of coal with shells in the refinery unit, which reduced emissions by 46.8 ktCO<sub>2,eq</sub>
- Operationalization of 2 Methane Capture units at PT EDI and PT TPP to reduce emissions from palm oil processing waste by 42.69 ktCO<sub>2,eq</sub>
- Reduction of diesel usage by replacing WMS pump in South Kalimantan plantation, leading to a reduction of 1.16 ktCO<sub>2,eq</sub>
- Sequestration from existing conservation areas, riparian areas and mangrove areas, amounting to 16.33 ktCO<sub>2,eq</sub>

# RESPONSIBLE CPO SOURCING

## Traceability of CPO / PKO Supply Chain

### Traceability to Mill

In Q4 2024, we upheld our commitment to trace 100% of CPO from 42 mills (23 internal and 19 external). We also ensured 100% traceability of CPKO from 3 internal mills. Details of the composition and the [supplier list](#) can be accessed in the [Traceability Report](#) on our website. The tables below show the CPO and CPKO supply volume for this quarter.

Composition of CPO Supply Volume in Q4 2024

Source of Supplier (Mill)	Supplier Volume Composition					CPO Supply Volume
	Refinery			Trading	Trading & Refinery	
	Kreasijaya Adhikarya	Tanjung Sarana Lestari	Tanjung Bina Lestari			
Internal	12%	32%	0%	0%	14%	58%
External	17%	0%	0%	20%	5%	42%
Total Percentage						100%



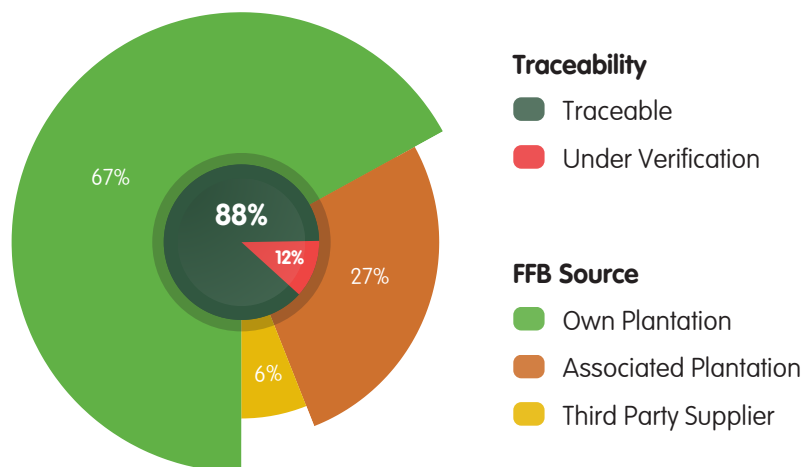
### Composition of CPKO Supply Volume in Q4 2024

Source of Supplier (Mill)	Supplier Volume Composition					CPKO Supply Volume
	Refinery			Trading	Trading & Refinery	
	Kreasijaya Adhikarya	Tanjung Sarana Lestari	Tanjung Bina Lestari			
Internal	0%	100%	0%	0%	0%	100%
External	0%	0%	0%	0%	0%	0%
Total Percentage						100%

## Traceability of FFB Sources from CPO/PKO Third Party Suppliers

In this quarter, the traceability of FFB supply sources for CPO reached 88%, with 67% from own plantations/affiliates, 6% from associated plantations, and 27% from third-party suppliers. This represents an improvement in traceability compared to the previous quarter. Out of 19 supplying mills, 13 have achieved 100% traceability of their FFB supply sources, while the remaining mills are in the process of completing their TtP data.

### Traceability of FFB Sources from CPO Suppliers



## Support Program to CPO Suppliers

### Aligning Suppliers with AAL's Sustainability Assessment Mechanism

Based on the results of the gap fulfillment assistance, the average SAT fulfillment for CPO suppliers in the fourth quarter of 2024 is 80%, reflecting a 1% increase compared to the previous period. Of the 19 suppliers, four have met all the assessment indicators in the SAT, while five have only one indicator left to fulfill, such as the HCV/HCS assessment, emission calculation, and/or smallholder inclusion. The remaining suppliers are still working on fulfilling the indicators, with some updating their 2024 SAT data.

### Supplier Sharing Session "Sustainability in Palm Oil: Fire Prevention, Greenhouse Gas (GHG) Emissions Management and EUDR Overview"

As part of our commitment to a sustainable supply chain, we held regular sharing sessions with suppliers via Zoom, focusing on sustainability practices. In the fourth-quarter session, we covered the following key topics:

- **Fire Prevention Practices**, as support to ensure that CPO suppliers comply with AAL's Zero Burn Policy and enhance their implementation of Zero Burn policy to mitigate potential fire risks
- **GHG Emission Calculations**, as a commitment for suppliers to track and calculate their greenhouse gas emissions as part of our ongoing efforts to raise awareness
- **EUDR Overview**, as an effort to discuss trends in palm oil industry and raise supplier awareness about the regulations

Additionally, we reinforced our Sustainability Policy with suppliers as part of a refresher initiative. The session was attended by 69 participants representing 36 supplier companies. This initiative aims to support suppliers in improving their sustainability practices and ensuring alignment with our Sustainability Policy.

## Potential Supplier Violations

In this quarter, we did not identify any direct violations by our suppliers. Details on our list of grievances and how they are handled is available [here](#).

# FFB SOURCING & SMALLHOLDER SUPPORT

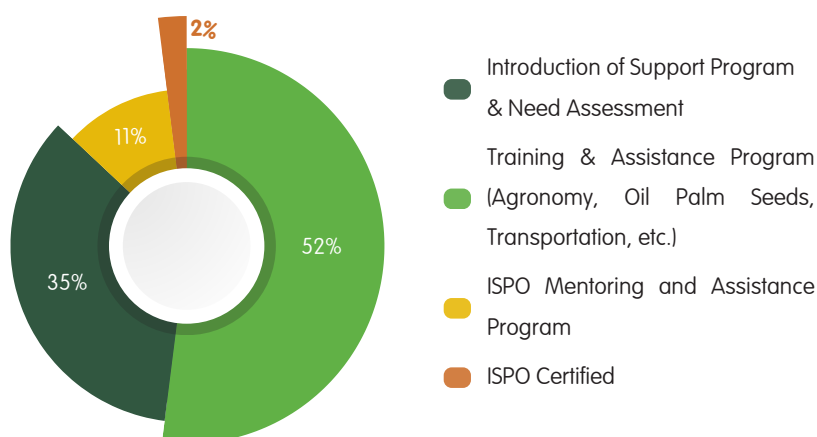
## Traceability of FFB Supply

Until the fourth quarter of 2024, we were able to maintain our commitment and consistency of 100% FFB source traceability with the same composition of FFB volume received as the previous period, consisting of 51% from our own plantations, 4% from associated plantations, and 45% from third parties/independent suppliers. Traceability reports for each mill are available [here](#).

## Support Program for FFB Suppliers

We work with ±44,500 traceable smallholders (±15,700 associated smallholders & ±28,800 independent smallholders) as of Q4 2024 and continue to support our FFB supply partners and smallholders to improve their productivity and in line with AAL's Sustainability Policy. The figure below shows the stages of the support program that has been carried out from 2019 to Q4 2024.

Implementation of support programs for FFB suppliers from 2019 until Q4 2024





## Support Program for Independent Smallholders

The Company keeps its effort in supporting independent smallholders through various activities as follow.

### a. Training and Capacity Building

This quarter, we organized an online training and mentoring session themed “Maintenance of Producing Oil Palm Plants,” which was attended by 201 smallholders. The materials presented included herbicide spraying procedures and rhinoceros beetle pest control methods. The activity aimed to provide knowledge on herbicide spraying (including spray type selection, herbicide solution preparation, spraying timing, and implementation), as well as strategies for controlling rhino beetle pests. Overall, throughout 2024, a total of 499 smallholders had participated in the training and capacity-building activities.



Online coaching and mentoring activity

## b. Facilitating Partnership Support Programs for Independent Smallholders

During Q4 2024, we continued to support our network partners by facilitating the financing and procurement of oil palm seeds, fertilizers, transport units for FFB evacuation, herbicide programs, as well as FFB transportation and personal vehicle units. The details of these support programs are outlined in the table below.



Support program for financing and procurement of oil palm seeds and fertilizer

### Details of smallholder partnership support programs as of Q4 2024

Support Program	Networking Partners	Smallholder	Quantity	Location
Financing and Procurement of Oil Palm Seeds	28	108	Procuring ±129,350 oil palm seeds	Riau, West Sulawesi & East Kalimantan
Financing and Procurement of Fertilizer*	71	454	Procuring ±2,716 tons of fertilizer	Aceh, Jambi, Riau, Central Kalimantan, East Kalimantan & West Sulawesi
Provision transportation units for FFB evacuation*	56	597	Transported volume of ±36,821 tons	Riau, Jambi, Central Kalimantan & West Sulawesi
Financing and Procurement of Herbicide	33	322	Procuring ±5,016 liters of herbicide	Riau, Central Kalimantan, West Sulawesi & Central Sulawesi
Financing and Procurement of FFB Transport Units	3	3	Financing of six FFB transport units	Aceh & Riau
Financing and Procurement of Personal Vehicle Units	3	3	Financing of three personal vehicle units	Aceh, Central Kalimantan and West Sulawesi

\*Networking Partners and farmers at Q1 – Q3 are still participating in the program at Q4

# ORANG RIMBA PROGRAMS

## Ensuring Food Security

In Q4 2024, we successfully distributed 11.55 tons of rice and 993 food packages, including sardines, sugar, noodles, salt, tea, coffee, and dish soap, to 331 families. Cumulatively, throughout 2024, the Company distributed a total of 46.20 tons of rice and 3,972 food packages to the Orang Rimba in Merangin and Sarolangun Regencies. The success of this program is attributed to the collaboration of multiple stakeholders, including village governments, community leaders, and other partners.



Distribution of staple food for Orang Rimba in Merangin and Sarolangun Regencies

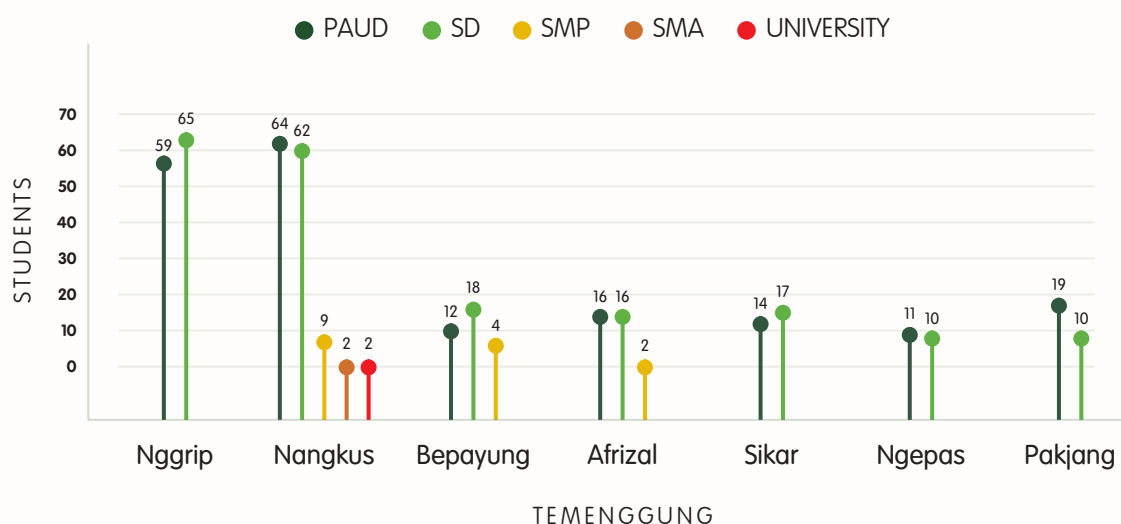
## Access to Education

In Q4 2024, the Orang Rimba education program reached a significant milestone, integrating all levels of education from Early Childhood Education (PAUD) to Higher Education, ensuring equal access to quality education for Orang Rimba children. According to the latest data, the program currently supports 412 students across seven *Ketemenggungan* (groups of Orang Rimba), with the following breakdown: 195 children in PAUD, 198 children in elementary school (SD), 15 teenagers in junior high school (SMP), 2 teenagers in high school/vocational school (SMA/SMK), and 2 adolescents in university.



To promote quality and sustainable education, we have launched several flagship programs aimed at empowering the younger generation of Orang Rimba. These include the establishment of Learning Centers, the Sokola Bejelon program, teacher capacity building, and active parental involvement through regular meetings and educational consultations to strengthen family support. The graph below illustrates the distribution of assisted Orang Rimba students across the seven *ketemenggungan*.

Distribution chart of Orang Rimba students in seven *ketemenggungan* in Q4 of 2024



Specifically, in Q4, students from SD to SMA public schools focused on completing Semester 1 exams. Report card evaluation results showed outstanding achievements, including Bekajang, a Grade 1 student, who earned 1<sup>st</sup> place, and Ngisab, a Grade 2 student, who earned 3<sup>rd</sup> place. In addition, SMP and SMA school students also showed significant progress in mastering Information and Communication Technology and fashion skills, with satisfactory grades.

The Orang Rimba, a forest-dwelling community traditionally isolated from society, have reached a major milestone by embracing education to integrate and compete more widely. This success highlights their growing ability to connect and thrive with others, proving education's power as a bridge to broader opportunities. It reflects the determination of Orang Rimba students, the support of their families, and strong collaboration with local education offices, village governments, and leaders. This synergy has built an inclusive and sustainable



education system, demonstrating that education is key to unlocking a brighter future for the Orang Rimba community.



Learning atmosphere in Sokola Bejelon program and learning studio



Report cards distribution for PAUD and elementary school students

## Higher Education

Currently, Nirai is focused on supporting the learning and teaching process at Halom School while awaiting the new student enrollment at Universitas Terbuka. In addition to teaching reading and writing, Nirai has taken on the challenge of becoming a traditional dance instructor at Halom School. She believes that the cultural values of the Orang Rimba, particularly in the arts, should be passed down to the younger generation, ensuring that these customs and traditions are deeply rooted in each student.

Desi and Kurnia, two dedicated students pursuing higher education, have successfully wrapped up their fourth semester this quarter. They are now concentrating on practical exams and semester assessments in preparation for the next academic term. Desi, a student at the Faculty of Teacher Training and Education (PPKN) at Jambi University, achieved an impressive GPA of 3.81 in her third semester. She is currently honing her skills to present the PPKN curriculum through innovative mediums like video teaching materials. On the other hand, Kurnia, who is studying at Jambi Health Polytechnic, is gearing up for Field Work Practice. This opportunity will enable her to apply her academic knowledge in real-world community settings.

After graduating from Jambi University's Agribusiness study program, Bejujung and Besar this quarter, have returned to their community and applied the knowledge they gained in developing the agricultural sector. They manage a 500 m<sup>2</sup> plot of land behind the Orang Rimba settlement in Punti Kayu 1, also known as dam, which is their private land. On this land, they cultivate various types of food crops, such as taro, cassava, and *jengkol*.

Fauzan, who recently graduated from Polbangtan Bogor, is now exploring various opportunities to expand his knowledge and gain work experience. One such opportunity is volunteering as a facilitator in Suluh Rimbo Farm. In this role, he is responsible for supporting the members of Suluh Rimbo Sikar and Air Panas in managing agricultural plantations. This opportunity aligns with his field of study and has been warmly welcomed by the community, as it is the area where he grew up.

## Healthcare Support

*Posyandu* conducts various activities to promote the health of the Orang Rimba community, including health screenings, immunizations, and Supplementary Feeding (PMT) for children and pregnant women. In the fourth quarter, the Company provided PMT to three pregnant women and 115 toddlers. The number of pregnant women participating decreased as some returned to the forest after giving birth. Health counseling sessions were also held to educate the community on maintaining a healthy lifestyle and balanced nutrition.

### PMT recipients' distribution for pregnant women and toddlers in 2024

Name	Village	Groups	Q1 2024		Q2 2024		Q3 2024		Q4 2024	
			Pregnant Women	Toddlers	Pregnant Women	Toddlers	Pregnant Women	Toddlers	Pregnant Women	Toddlers
Posyandu Astera	Bukit Suban	Nangkus	4	51	4	51	0	18	0	18
Posyandu Rafflesia	Bukit Suban/Air Panas	Betaring	3	17	3	17	2	56	2	56
Posyandu Mawar	Aur Berduri	Pakjang	1	14	1	14	0	8	0	8
Posyandu Pundi Kayu II	Bukit Suban	Saidun	4	10	4	10	1	9	0	10
Posyandu Nurul Islam	Pematang Kabau	Afrizal	0	8	0	0	0	0	1	5
Posyandu Tunas Bangsa	Mentawak Merangin	Sikar	0	5	12	19	1	17	0	18
Total			12	105	24	111	4	108	3	115

In addition to *Posyandu* activities, treatment and referrals to hospitals are also provided to ensure that Orang Rimba residents who require medical attention receive prompt and proper care. One notable case involved a resident from the *Temenggung* Nangkus group, who was bitten by a snake and immediately referred to the nearest hospital by the Company's medical team. In another instance, a patient from the *Temenggung* Nggrip group received medical treatment and was transported to a health facility using the Company's ambulance. Many other patients have been assisted through the Company's health vehicle. The alertness of the paramedics and their coordination with the Orang Rimba are crucial to the success and effectiveness of the program. We continue to encourage the Orang Rimba community to access appropriate health facilities in the future.





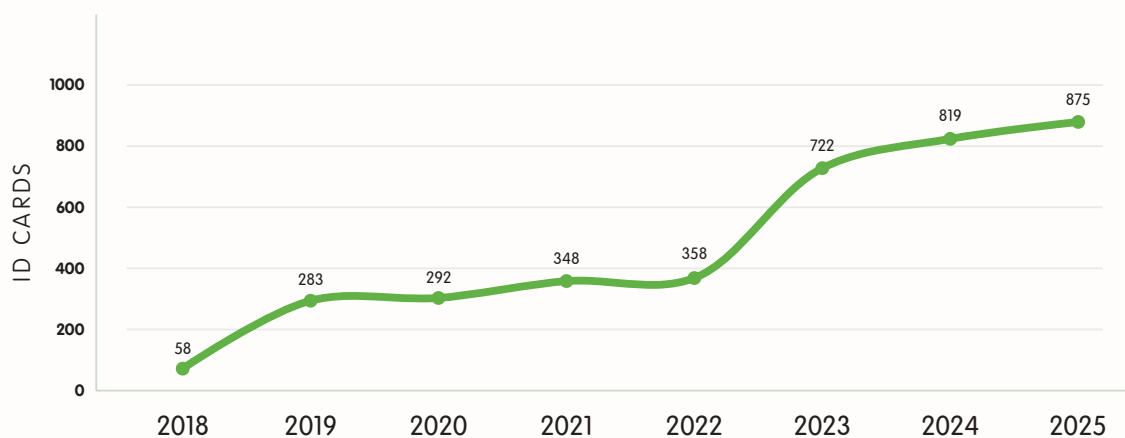
An Orang Rimba resident who suffered a snake bite being transported to the hospital by the Company's medical team

## Active Collaboration

### ID Cards Acceleration

The civil registration and social services assistance program for the Orang Rimba is a strategic initiative aimed at ensuring this community receives their basic rights, particularly in civil registration and social services. In collaboration with the Population and Civil Registry Office (Disdukcapil) of Sarolangun and Merangin Regencies, we provide support in processing legal identity documents, including birth certificates, family cards (KK), and ID cards (KTP). From October to December 2024, the program successfully issued 56 new ID cards, bringing the total number of Orang Rimba ID cards officially recorded since the program's inception in 2018 to 875.

Distribution of ID card ownership from 2018 to 2024





This success not only confirms the legal identity of the Orang Rimba as citizens but also opens access to various government social security programs. Through the integration of population data, the Orang Rimba can now benefit from important programs such as Non-Cash Food Assistance (BPNT), Direct Cash Assistance (BLT), the Healthy Indonesia Card (KIS), the Smart Indonesia Card (KIP), and the Family Hope Program (PKH). For instance, Ibu Nur and Ibu Ira Suwara from the Saidun group, as well as Pak Besamper from the Nggrip group, have successfully received assistance from PHK and BPNT, thanks to their legal identity documents.



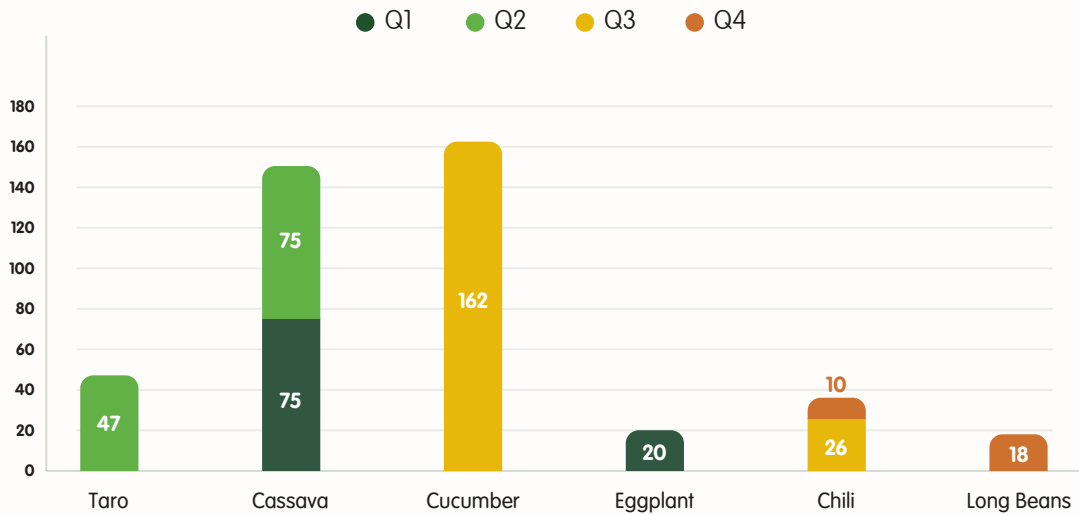
Ibu Nur, Ibu Suwara and Pak Suwara are eligible to access PKH and BPNT after obtaining their ID cards

## Agriculture Learning Center (ALC)

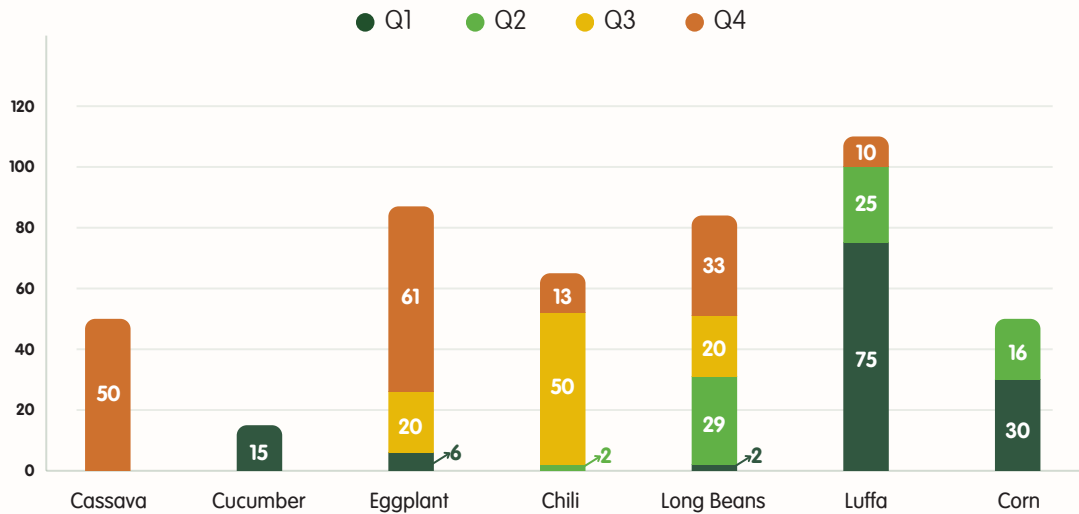
### Suluh Rimbo Sikar & Suluh Rimbo Air Panas

Suluh Rimbo is a community-based agriculture program designed to enhance the knowledge and skills of the Orang Rimba in sustainable farming practices. The program focuses on strengthening cultivation techniques, including land management, the use of agricultural technology, crop yield optimization, and the development of agricultural institutions. As a community relying on subsistence agriculture, the Orang Rimba are supported through field schools to adapt to more modern, efficient, and environmentally friendly agricultural methods. In Q4, the types of crops and yields for Suluh Rimbo Sikar and Suluh Rimbo Air Panas, along with the overall kilogram production of crops throughout 2024, are shown in the following charts.

### Suluh Rimbo Sikar Crops & Yields for Q1-Q4 Period (Kg)



### Suluh Rimbo Air Panas Crops & Yields for Q1-Q4 Period (Kg)



The crops harvested not only meet the food needs of Orang Rimba families but also generate income through sales in the local community and nearby markets. This achievement highlights Suluh Rimbo's success in enhancing food access and security, as well as strengthening the

economic and environmental independence of the Orang Rimba community. The program represents a tangible step toward promoting sustainable agricultural practices aligned with local wisdom.

Additionally, the Orang Rimba community incorporated in Suluh Rimbo Air Panas also cultivates Citronella (fragrant lemongrass) as part of their efforts to improve the welfare of local community. The harvested lemongrass is then sold to Berkah Sereh Wangi (BSW, a local micro, small and medium enterprise (MSME)) as they owned the processing machine. As a result, BSW processes it into various products, such as dish soap and massage oil. This collaboration has created a supply chain that benefits both the MSME and the Orang Rimba community. The Company actively supports BSW and the Orang Rimba community through mentorship, training programs, seed capital assistance, and infrastructure support. They helped expand marketing efforts to the national level and facilitated a partnership with the Indonesian Palm Oil Association (GAPKI), where Citronella Oil from BSW was purchased to be used as souvenirs at the 2024 Indonesian Palm Oil Conference (IPOC).



Long bean nurturing and harvesting activities in Suluh Rimbo Air Panas



Chili harvesting activity in Suluh Rimbo Sikar



Fragrant lemongrass (Citronella) harvesting in Suluh Rimbo Air Panas



## Social Development Partnership Forum of Orang Rimba (FKPS-SAD): Air Hitam Temenggung Forum

In the fourth quarter of 2024, FKPS-SAD in Jambi Province held a coordination meeting aimed at strengthening the role of Orang Rimba and promoting their social change and independence. To achieve this, consolidation and coordination among forum members were essential. The meeting, held in December 2024, was attended by key Orang Rimba leaders, including Jenang, Temengung, Pemangku Adat, and Depati. During the discussion on Adat Lamo Pusako Usang, critical issues related to customary regulations were addressed. This meeting will continue in three stages: the first stage with 8 village heads in Air Hitam District, the Head of District, and Air Hitam Police; the second stage with Regional Government of Sarolangun Regency in Sarolangun; and the third stage with Jambi Provincial Government in Jambi. These meetings aim to reinforce customary regulations and promote a more organized and harmonious way of life for the Orang Rimba. Additionally, FKPS-SAD is encouraging forum members to become more actively involved. In December 2024, the Company together with Bukit Duabelas National Park (TNBD) Hall also carried out monitoring and evaluation activities on cooperation in Education, Health and Economy fields.



FKPS-SAD activity in Jambi Province



## Strengthening and Fostering Orang Rimba in TNBD Area – Meriau Assistance

In the fourth quarter of 2024, Pak Nutup, a member of the Meriau group, had planted food and horticultural crops alongside other plants. The results of his hard work and perseverance have been very rewarding. He mentioned that the harvest from crops such as cassava, pumpkin, eggplant, and chili is sufficient to cover his daily needs. Additionally, some of the harvest is shared with other family members. He also sells some of his crops to supplement his family's income, providing extra financial support. This shift occurred because Pak Nutup had previously relied on food sources from areas far from his home. Pak Nutup is an excellent example of an Orang Rimba resident who has successfully utilized his plantation. Thanks to the program, he can now access food directly from the plantation where he lives.



Pak Nutup (Meriau group) with his cassava yields

# COMMUNITY EMPOWERMENT PROGRAM

IN SULAWESI AREA

The Company's commitment to sustainability is outlined in the Astra Agro Sustainability Aspiration 2030, with the overarching goal of "Prospering with the Nation." Communities are key strategic partners, and strong relationships are built through collaboration on programs that address the needs and challenges of local populations. By fostering participatory dialogue and integrating the Company's initiatives with community programs, we establish a sustainable model of collaboration. Below are the community programs carried out by PT LTT, PT MMG, and PT ANA in the Sulawesi area during Q4 2024.

## Community Development Program at PT Lestari Tani Teladan (PT LTT)

The community empowerment program at PT LTT focuses on two villages: Towiora and Tinauka. The program begins with a participatory dialogue process involving the community, followed by the planning, implementation, and monitoring phases. This approach has fostered better relations between the communities in both villages and PT LTT. Below is an overview of the community empowerment programs carried out in Q4, organized around education, health and community economy pillars.

Community Development Program	Education	Healthcare	Income Generating Activities	Infrastructure Facilities
Towiora and Tinauka Village	<ul style="list-style-type: none"> <li>Provision of scholarships to nine students</li> <li>Incentives for 10 teachers</li> <li>Supported four students from SMPN 7 Rio Pakava in Festival Tunas Bahasa Ibu activities in Central Sulawesi Province</li> </ul>	<ul style="list-style-type: none"> <li><i>Posyandu</i> program provided supplementary feeding (PMT) and health checkups for 35 pregnant women, 256 toddlers and 144 elderly. A total of six <i>posyandu</i> units (1 Towiora &amp; 5 Tinauka) were assisted.</li> <li>Incentives for 30 <i>Posyandu</i> cadres</li> <li>Provision of three units of wells for clean water that can be utilized by Towiora residents</li> </ul>	<ul style="list-style-type: none"> <li>Assistance in preparing Towiora Youth Organization for business development</li> <li>Assistance for Goat Farming Group</li> </ul>	<ul style="list-style-type: none"> <li>Provision of three units of clean water facilities for 58 families</li> <li>The provision of a public cemetery (TPU) for the Towiora village community. Efforts are in progress to complete the administrative process for the grant transfer from the Company to the Village Government, ensuring compliance with applicable laws and regulations.</li> </ul>





Health checkups for toddlers



Clean water assistance for Towiora community



Teacher incentive assistance

As we move into the fourth quarter, the development of a public cemetery (TPU) for the Towiora Village community remains ongoing. The construction of the perimeter fence and main gate has been completed. The certification process is currently underway, with the necessary data collection being handled by the BPN/ATR Donggala Office. The next phase is finalizing the waqf deed. Upon its issuance, a formal handover ceremony will be conducted to transfer the cemetery to the Village Government, acting on behalf of the Towiora Village community.





Settlement of cemetery land purchase, and progress of Gapura and cemetery fence work

#### Media publication links of PT LTT community programs are accessible below:

##### 1. Education Program

- <https://www.metrosulteng.com/pendidikan/51914385722/dukung-peningkatan-mutu-pendidikan-astra-agro-salurkan-beasiswa-dan-insentif-guru-honorer-di-donggala>
- <https://www.sulbarkini.com/astra-agro-lestari-tanamkan-bibit-unggul-bangsa-di-donggala-lewat-program-beasiswa-dan-insentif-guru/>

##### 2. Infrastructure and Environmental program

- <https://sawitplus.co/news/detail/14476/warga-towiora-bersyukur-perusahaan-sawit-pt-ltt-bangunkan-fasilitas-air-bersih-dan-mck>
- <https://www.radarsulteng.net/ekonomi/25/10/2024/warga-towiora-bersyukur-perusahaan-sawit-pt-ltt-bangunkan-fasilitas-air-bersih-dan-mck/>
- <https://www.lenteramerahnews.co.id/2024/10/perusahaan-sawit-pt-ltt-bangunkan.html>
- <https://www.astra-agro.co.id/2024/10/26/pt-ltt-kembali-membangun-fasilitas-air-bersih-dan-mck-bagi-warga-towiora/>

## Community Development Program at PT Mamuang (PT MMG)

Consultative meetings continue to be held by PT MMG in collaboration with the communities of the three villages: Martasari, Pancamukti, and Riomukti. Several collaborative programs between the Company and these villages have been implemented, focusing on education, health and community economy pillars.

Community Development Program	Education	Healthcare	Income Generating Activities	Infrastructure Facilities
Martasari Village	<ul style="list-style-type: none"> <li>Provision of incentive assistance for 8 honorary teachers</li> <li>Scholarship assistance to 11 Kaili Tado tribe students</li> <li>Provision of infrastructure and facilities for 37 PAUD Pelita Hati students, including office equipment, learning materials, and playground facilities, as well as support for toilet repairs at SD Inpres Kabuyu</li> </ul>	<ul style="list-style-type: none"> <li>PMT provision for 165 toddlers and 157 elderly</li> <li>Provision of incentives for 25 <i>Posyandu</i> cadres</li> <li>Nakula <i>Posyandu</i> renovation assistance in the form of installing iron fences and repairing floors</li> </ul>	<ul style="list-style-type: none"> <li>Provision of basic food packages to 135 families of the Kaili Tado Kabuyu community</li> <li>Facilitation for fish farming groups and MSMEs Mekar Dipatok Chips</li> <li>Assistance to PKK Martasari Village (14 families) in cultivating horticultural plants</li> </ul>	<ul style="list-style-type: none"> <li>Support for the celebration of the Vunjaa Festival, a Kaili Tado culture.</li> </ul>
Pancamukti Village	<ul style="list-style-type: none"> <li>Provision of incentives for 6 honorary teachers</li> <li>Provision of scholarship assistance for 12 students</li> </ul>	<ul style="list-style-type: none"> <li>PMT provision for 85 toddlers and 25 elderly</li> <li>Provision of incentives for 5 <i>Posyandu</i> cadres</li> </ul>	<ul style="list-style-type: none"> <li>Assistance for MSMEs assisted by 8 freshwater fish farming groups</li> <li>Provision of incentives for 5 <i>Posyandu</i> cadres</li> </ul>	-
Riomukti Village	<ul style="list-style-type: none"> <li>Provision of scholarship assistance for 12 students from SDN 11 Rio Pakava</li> <li>Provision of incentives for 5 honorary teachers.</li> </ul>	<ul style="list-style-type: none"> <li>PMT provision for 85 toddlers and 25 elderly</li> <li>Provision of incentives for 5 <i>Posyandu</i> cadres</li> </ul>	-	-





Provision of infrastructure support for PAUD Pelita Hati and SD Inpres Kabuyu



Distribution of essential food packages to the Kaili Tado Kabuyu community

In Q4, the Company supported the annual Vunja Traditional Feast, a harvest celebration of the Kaili Tado community, by distributing foodstuffs and essentials, mobilizing traditional elders from neighboring villages, and inviting representatives from the Pasangkayu Regency Tourism Office. The three-day event, attended by over 400 participants, featured rituals such as seeking blessings from Dewata Ngkai, crop and livestock offerings, the Rego ritual (women circumambulating the “Kaili” tree), drumming, a communal banquet, and a closing prayer. The Company’s involvement highlighted its commitment to preserving cultural heritage and fostering community engagement.



Celebrating the Vunjaa event with the Kaili Tado community

# Community Development Program at PT Agro Nusa Abadi (PT ANA)

PT ANA continues to implement community empowerment programs across seven villages: Bunta, Tompira, Bungintimbe, Towara, Molino, Peboa, and Towara Pantai. The involvement of the community in designing and implementing these programs has brought positive benefits. Open discussions and deliberations with the community play a key role in ensuring effective public participation. Below are the programs that have been carried out throughout Q4 of 2024.

## Enhancing Education Programs for School Age Children

In Q4 2024, PT ANA continued to improve its education program by providing scholarship assistance to 15 fostered schools in recognition of outstanding students, consisting of nine SD, four SMP, and two SMA/SMK children. Additionally, PT ANA provided incentive assistance to 21 honorary teachers from 13 schools, acknowledging their dedication as educators.



Incentive assistance for honorary teachers



Scholarship assistance to 15 fostered schools



# Healthcare Support

The Company, through PT ANA, remains dedicated to enhancing public health quality. In Q4, PT ANA provided incentive assistance to 60 cadres across 12 Posyandu. Additionally, PT ANA distributed PMT to infants and toddlers, pregnant women, and the elderly. Below is the breakdown of beneficiaries at each Posyandu and their respective villages.

Name of Posyandu	Village	Number of Cadres	Number of Infants & Toddlers	Number of Pregnant Women	Number of Elderly
Bougenvile I	Bunta	5	96	14	24
Bougenvile II	Bunta	5	62	39	18
Bougenvile III	Bunta	5	111	24	3
Melati I	Tompira	5	112	15	3
Melati II	Tompira	5	118	17	11
Sedap Malam I	Bungintimbe	5	194	41	50
Sedap Malam II	Bungintimbe	5	90	4	2
Kenanga	Towara	5	74	19	30
Edelwais	Molino	5	102	28	31
Kartika Kompil	Molino	5	35	2	23
Rafflesia	Peboa	5	56	8	80
Asoka	Towara Pantai	5	10	2	5
Total		60	1,060	213	280



Health checks for toddlers and supplementary feeding assistance

## Income Generating Activities

PT ANA continues to engage with the community through participatory dialogue between management and local residents, focusing on mapping the region's needs and potential. In Q4, PT ANA collaborated with local villages to support the development of MSMEs. As part of this initiative, PT ANA provided raw material assistance to the Sinergi Magasi MSME in Molino Village. This MSME, which specializes in processed foods, consists of 14 members, the majority of whom are housewives.



Provision of business capital support in the form of processed food ingredients

PT ANA also supports the activities of Karang Taruna in Bungintimbe Village, specifically in the field of agricultural business, focusing on hydroponic plant cultivation. Ongoing coaching and mentoring are provided to support the entrepreneurial process, including assistance with facilities, promotion, and sales. By the end of Q4, Poranda Farm has begun to establish itself as a learning hub for the community and the general public. Both the community and students have started to visit to observe the hydroponic plant cultivation process, including a group of 10 students from SMAN 1 Petasia Timur. The goal of this learning initiative is not only to educate but also to promote the sale of hydroponic plants.

## Environmental Stewardship

In Q4, PT ANA reaffirmed its commitment to environmental protection and community support. In Towora Village, the community struggles to access clean water during the dry season. As part of their support, PT ANA delivers clean water via tank trucks, benefiting 140 households and greatly improving their well-being during this challenging time.



# PT Astra Agro Lestari Tbk

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