



ReForest Now
Growing Rainforest Together

PLANTING REPORT INDONESIA

- 2025 -

35,000 trees planted
Donation 20/09/2024



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INDONESIA PROJECT 2025

THE PROJECT

After a successful launch of 140,000 trees planted by SAP in North Sumatra in 2023 to 2024, we are now continuing planting the Gunung Leuser National park in Indonesia.

We have partnered with the **KTHK**, consisting of 13 local farmers groups with access to four nurseries and have approved plans by the Indonesian government, enabling the potential to plant millions of trees in the enormous 3,000 hectare zone.

A key consideration for this project are the local communities' needs for a sustainable and economically viable future, which we can achieve by working in close collaboration with the local farmers groups.

SAP

Your contribution allowed us to launch the Indonesia project and to develop it even further. Thank you for being the exclusive sponsor for the launch of this project and a continued supporter for its continuance. With your donation, we were able to achieve:



**35,000 NEW
TREES PLANTED**



24 SPECIES



**12.54 HA
REPLANTED**

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PLANTING SUMMARY

The new planting zone is close to last years' in an area called Harapan Maju.

Your entire donation was fulfilled within six planting days by our expanded team. Of those trees, 442 were planted in 2024 as extra, so we added them here for you.

The species used in this new project are a mix of native canopy, fruit and medicinal species, which will grow into a type of Agro-Forest. Combined with a modern approach to online selling, the economic profits of these trees will go entirely to the local communities, rather than third parties.

DATE	LOCATION	TREES	SPECIES
August 26, 2024	Bukit mas	442*	24
February 1, 2025	Harapan maju	3,600	21
February 2, 2025	Harapan maju	7,350	19
February 3, 2025	Harapan maju	12,104	22
February 4, 2025	Harapan maju	6,849	21
February 5, 2025	Harapan maju	4,655	21



HARAPAN MAJU

The new planting area is located within the Gunung Leuser National Park, a few kilometers south of Bukit mas and Barak induk (between 3 - 10km) and adjacent to the village of Desa Harapan maju, where the ReForest Now house is located, which SAP's donation has so kindly contributed to. The village is a 30 - 40 minutes distance from the planting sites of Harapan maju.

The area is home to Tigers, Orangutans, Rhinos, Elephants, and many tribes of Monkeys, with a Tiger sighting only three - four kilometer from the Reforest Now house in early February, 2025.

The planting sites expand the existing national park, providing long lasting local jobs and economic stability through the planting of the type of Agro-Forest.



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REFOREST NOW WORKERS HOUSE

Given the ongoing nature and potential to plant millions of trees in this zone, RN has decided to invest more heavily in North Sumatra with your support.

We have built a three bedroom workers house for RN and KTHK staff to share. This was necessary, as there was no free accommodation available near the work sites, nor a zone to store goods or work from as a base.

Equipped with six beds, a fridge, fans, evaporative cooler and hygienic bathroom, this house allows a reasonable level of comfort for field workers.

All workers meet at the house in the mornings before starting work to collect their gear and receive their briefs and debriefs there.

The house also provides storage for all our equipment, as well as tactical maps installed with white boards to record data and track sightings of wildlife and other notable events inside the national park.

We will continue to add to the developing house a safe lock up area for our significant equipment footprint, as well as a large verandah to keep things dry and viable as part of your next donation.

Also in development is an extension to the building with a large white board for classes in environmental education, which will allow RN staff to impart various lessons in land remediation. Some of those materials have already been purchased.

Note

The villagers are asking to be taught English. We will potentially add this to the curriculum, as well as future business opportunities in selling forest products.





REFOREST NOW EQUIPMENT

RN has made a strong effort to use SAP support to equip our team at KTHK with a range of gear to work at the level and quality you saw in our planting sites when visiting Australia. We are achieving that! We will continue to train and equip KTHK throughout 2025 with SAP support.

A multitude of necessary tools and equipment have been purchased already, with more to come. Your donation has enabled us to purchase:



15 solo spray packs



4 STIHL augers
5 auger shafts



full range of chemicals for maintenance



30 work hats



60 work shirts



storage bottles



15 sets of boots



6 machetes



1 dirt bike for manager (incl. helmet)

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FEBRUARY 1, 2025

The first planting day at the new site in Harapan maju. We planted the **3,600 trees** in a **1.12 hectare area** located near the ReForest Now house.

Cleared areas are particularly vulnerable to encroachers, as the mindset of 'what is clear is available' is still prevalent in Indonesia.

By utilizing this space and planting species that can increase the economic benefit of the local communities in a sustainable way, the perceived need for encroachment and other illegal activities in this area is significantly decreased.

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FEBRUARY 2 2025

On the second planting day, we planted **7,350 trees** on **1.92 hectares**.

The area we planted in was formerly covered in Pará rubber trees. About a year ago, these trees were affected by a fungal disease, which caused the death of the majority of these trees.

After clearing the area, the space will now be recovered with native canopy species that are naturally resistant and adapted to the ecosystem.



Although the satellite image depicts dense vegetation and a closed canopy, in reality the planting area is currently quite open with not that many trees around, indicating that the satellite image might be outdated.

As mentioned before, utilizing these clear spaces in the National Park to return them to native forest is crucial to prevent these areas to be taken over by encroachers.

Re-establishing the native forest not only introduces a sustainable use for a vulnerable area, it will also provide crucial habitat for the many species of fauna, once the trees are established. Once fruit-bearing, a lot of the species we planted will also provide a food source for wildlife.



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FEBRUARY 3 2025

The two areas that were planted on day four are both located on steep hills, as shown in the map above. Together these two areas cover **3.29** hectare.

The map also shows the separation of the existing pockets of forest, which will be connected again through our plantings.

We planted an impressive **12,104 trees** on this day. Labour is readily available, and locals are excited to get involved in creating a more sustainable future for their village.

As seen in the picture, the area is open and scarce. Affected by fire, there is little to no native vegetation left. Through your donation, we were able to cover a large portion of this area in seedlings, and this area will soon see it's native forest return.

Vegetation on steep hills is crucial, as the roots of the trees serve as anchors in the soil and increase the resilience of the hill against erosion.





FEBRUARY 4, 2025

The area is an extension on the planting from the previous day, stretching further across the hill and covering more of the clear area in trees. On this day we planted **6,849 trees** across **2.28 hectares**, covering the entire north-facing hill side southeast from the last planting area.

The entire area was affected by fire about a year ago due to it being dry scrub and unprotected from the sun, resulting in drying and burning. The newly planted trees will recover this area, providing crucial structural resistance to the steep hill.

We planted **21 species** across this area. Fruit-bearing species were introduced here as a future food source for wildlife.

Planting of this day shown in yellow.
Previous day polygon shown in red.



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FEBRUARY 5 2025



This was another large planting day, with a total of 12,005 trees planted in the two areas as shown on the map on the left. Out of this total, **4,655 trees** were planted on your behalf, marking the fulfillment of your 35,000 tree donation for this part of the project.

The trees were planted across two polygons, which are approximately 600 meters apart. The total surface area of both polygons combined is **3.93 hectares**.

The map above shows the polygons from the previous two planting days in red (February 3 and 4, respectively) and the polygons of the final planting day in yellow.

The picture below shows the heavily degraded area, with dead trees and no native trees remaining.



FRUIT AND MEDICINAL SPECIES

Annona muricata

Commonly known as **Soursop**, the fruit from this tree can be used to treat bacterial and fungal infections.

It has also been shown to have compounds that are promising in cancer treatment, specifically breast cancer.



Artocarpus heterophyllus

The **Jackfruit** is not only a beneficial food source, that is high in vitamins and minerals, it also has several known medicinal benefits, such as:

- antibacterial properties
- anti-fungal properties
- anti-diabetic
- anti-inflammatory
- antioxidant activities

Parkia speciosa

The **Bitter Bean** abundantly grows in Asia and is a native canopy cover tree, which we plant to support and mimic the existing forest.

Both the leaves and fruit have been used in traditional medicine to treat hypertension and diabetes and is source of antioxidants.



Thebroma cacao

Cacao is widely used to make cacao powder, butter and chocolate. The powder is filled with flavonoids and high in antioxidants, minerals,

and Vitamins. In correct doses, it has been shown to improve blood flow, lower blood pressure and prevent blood clots.

GALLERY



FINAL WORDS

Thank you, SAP for our continued support to establish a permanent ReForest Now presence in Indonesia.

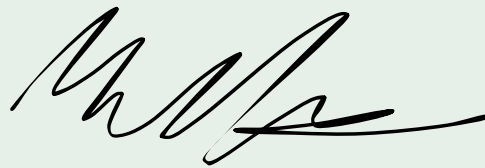
The Gunung Leuser National Park is such a significant ecosystem on our planet, and with your help we are able to restore and protect it - and with that create habitat for many threatened species.

It is organisations like SAP that enable us to do this important work.

We are grateful to see your continued support.

For updates or questions about the project, please email info@reforestnow.org.au.

Yours sincerely,



Maximo Bottaro - Co-Founder & President of ReForest Now



APPENDIX

SPECIES LIST

HARAPAN MAJU CUMULATIVE

We planted **24 species** at Harapan Maju. This list excludes the species planted at Bukit mas from August 2024 (incl. in November 2024 report).

<i>Albizia chinensis</i>	Sengon
<i>Alocasia macrorrhizos</i>	Giant Taro
<i>Annona muricata</i>	Soursop
<i>Archidendron pauciflorum</i>	Jengkol
<i>Areca catechu</i>	Betel Nut Palm
<i>Artocarpus heterophyllus</i>	Jackfruit
<i>Artocarpus integer</i>	Cempedak
<i>Ceiba pentandra</i>	Kapok Tree
<i>Dimocarpus longan</i>	Longan
<i>Durio zibethinus</i>	Durian
<i>Gnetum gnemon</i>	Melinjo
<i>Macaranga bancana</i>	Marak Semut
<i>Mangifera indica</i>	Mango
<i>Mangifera odorata</i>	Kuini
<i>Nephelium lappaceum</i>	Rambutan
<i>Parkia javanica</i>	Tree Bean
<i>Parkia speciosa</i>	Bitter Bean
<i>Pometia speciosa</i>	Island Lychee
<i>Syzygium malaccense</i>	Malay Apple
<i>Syzygium polyanthum</i>	Indonesian Bay Leaf
<i>Tectona grandis</i>	Teak
<i>Terminalia catappa</i>	Ketapang/Tropical Almond
<i>Thebroma cacao</i>	Cacao Tree



**THANK
YOU!**



Together, we can bring back the rainforest!