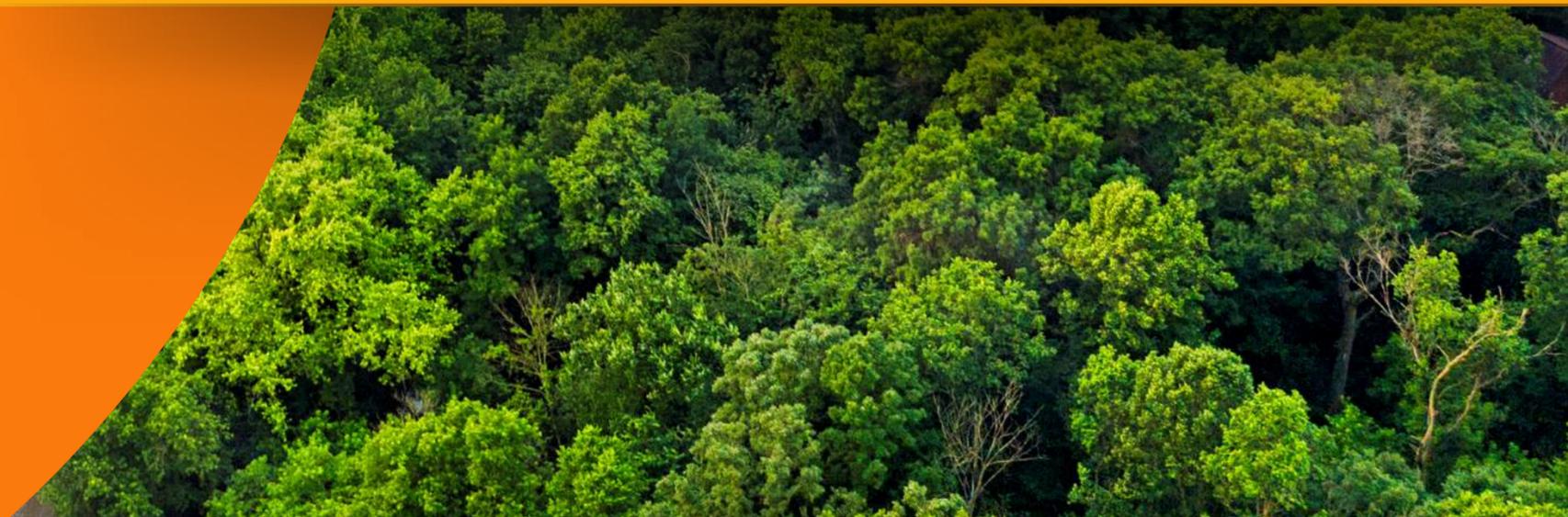




Climate-Smart *Intercropping* for Sustainable Oil Palm





WHY OIL PALM?

Indonesia is the largest oil palm producer ***in the world***

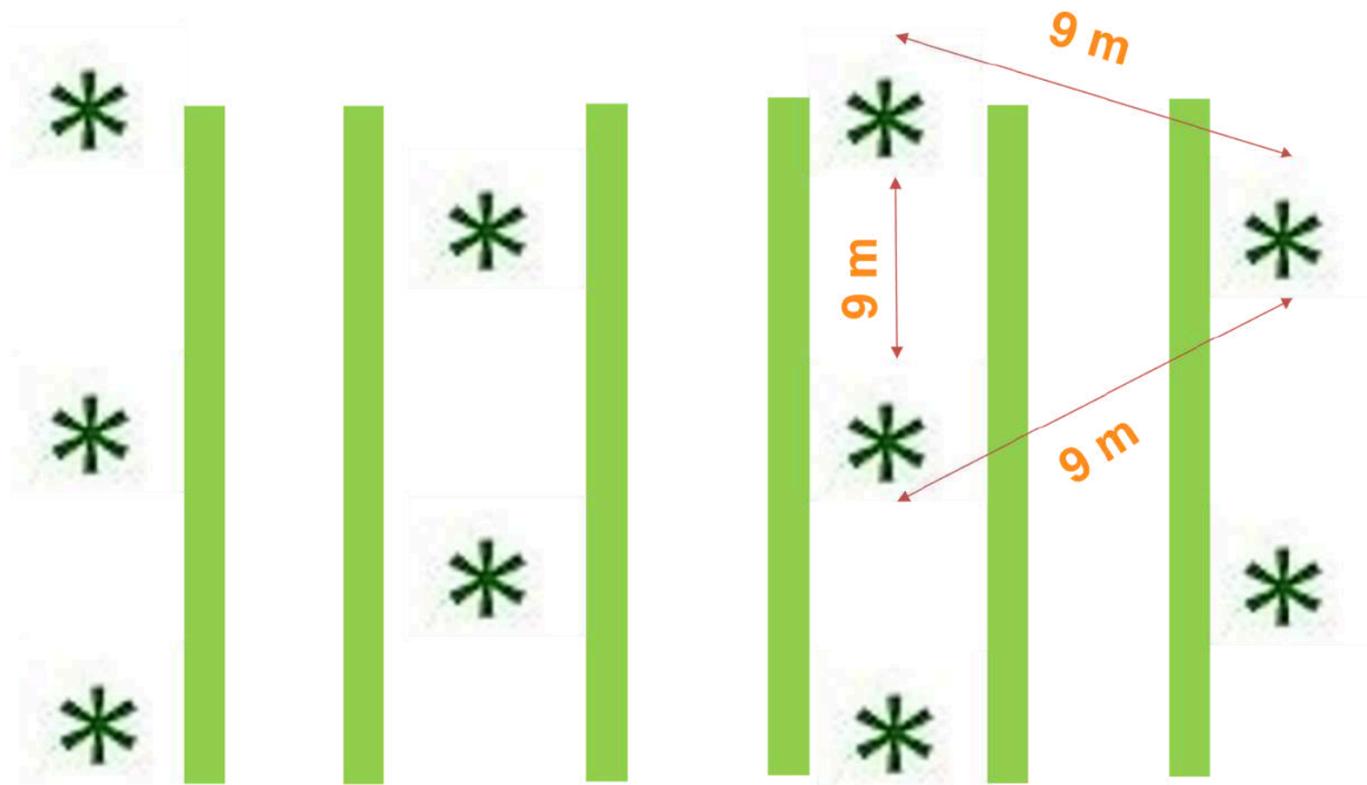
- ✔ 16 million hectares of land
- ✔ 2,5 million oil palm smallholders

Annually, ***180,000 hectares of oil palm*** are replanted, leaving many ***farmers without income*** until the new palms are harvestable after three years

Intercropping as a Solution:

Integrating oil palm with food and horticultural crops during the replanting phase.

Planting Pattern



- Intercropping Planting Pathways
- Oil Palm

Examples of Intercropping Commodities

Intercropping commodities are short-term crops that can be harvested within 2-12 months without disrupting oil palm growth.



Watermelon



Melon



Upland Rice



Supply Chain **Challenge**

Farmers cannot do it alone; they need end-to-end support to implement the intercropping system in oil palm plantations.



Limited access to financing



Lack of knowledge for intercropping implementation



Limited market access for intercropping commodities after harvest



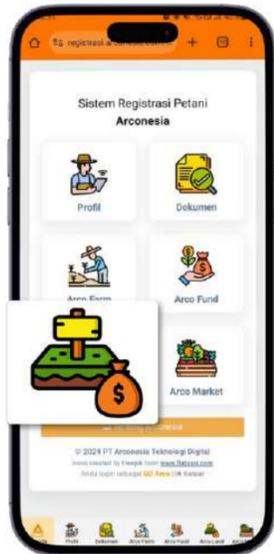
A Closed-Loop *Ecosystem*

to Mitigate Risks and Increase the Success Rate of Intercropping Projects



Arconesia *Digital* Platform

Integrating oil palm with food and horticultural crops during the replanting phase.



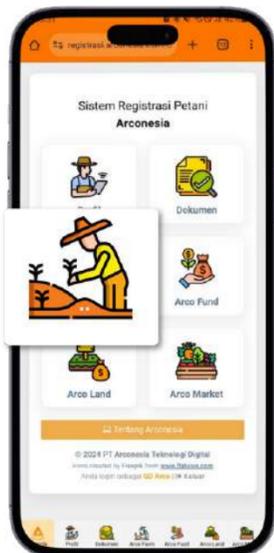
ArcoLand

Links oil palm farmers offering land for intercropping with landless farmers growing watermelon, maize, or upland rice.



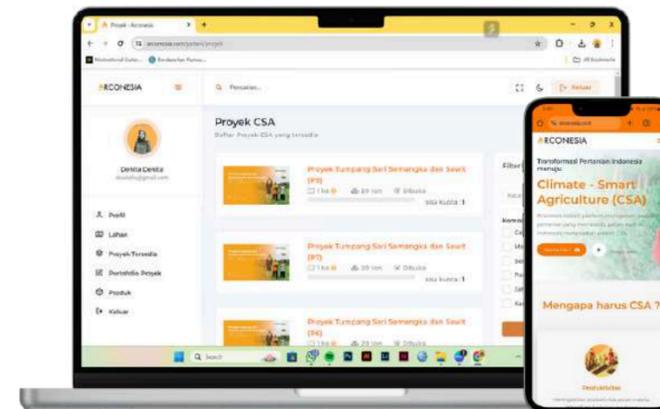
ArcoFund

Provides experienced intercropping farmers with input financing, technical support, and secured market contracts.



ArcoFarm

Empowers young, passionate farmers with salaries, training, and risk-free farming opportunities.



ArcoMonitor

A platform for farmers to log activities, manage budgets, and track agri-inputs, optimizing future planting strategies.

CAIRA : Arconesia's AI Agronomist

A farmer's smart agronomist—available anytime, anywhere

ARCONESIA
Be Connected.

Your 24/7 Intercropping Advisor

Farmers can message Caira on WhatsApp anytime, anywhere, for oil-palm intercropping guidance. All advice follows Arconesia's validated standard

Talk to Caira:

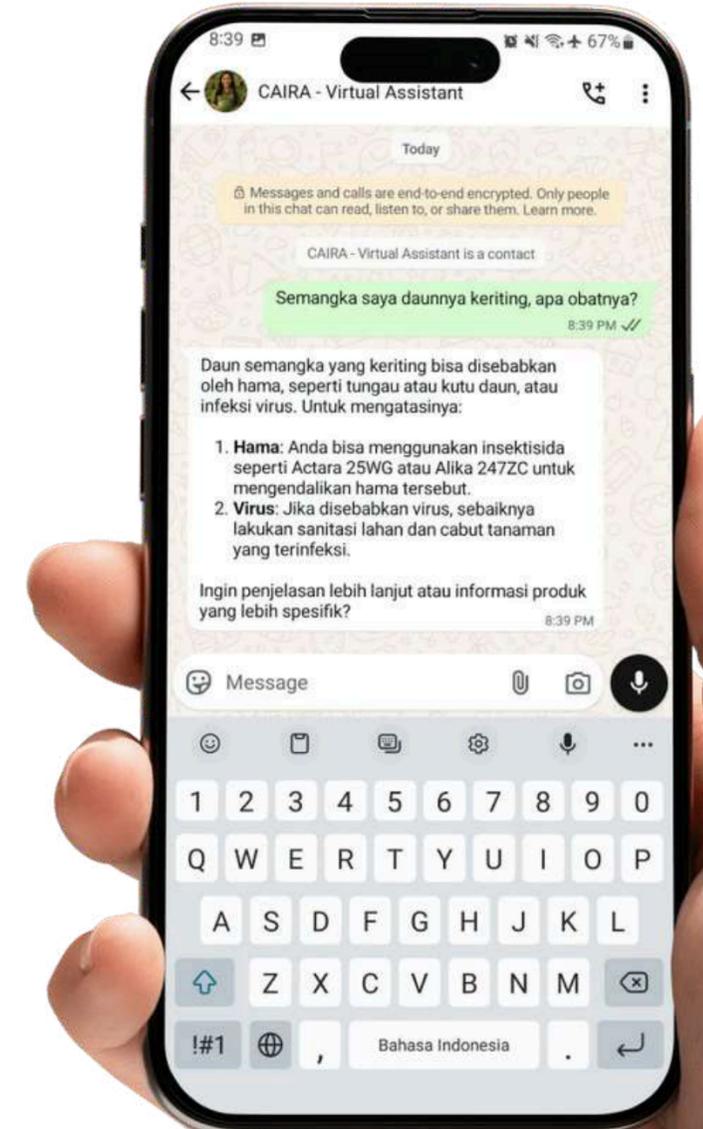
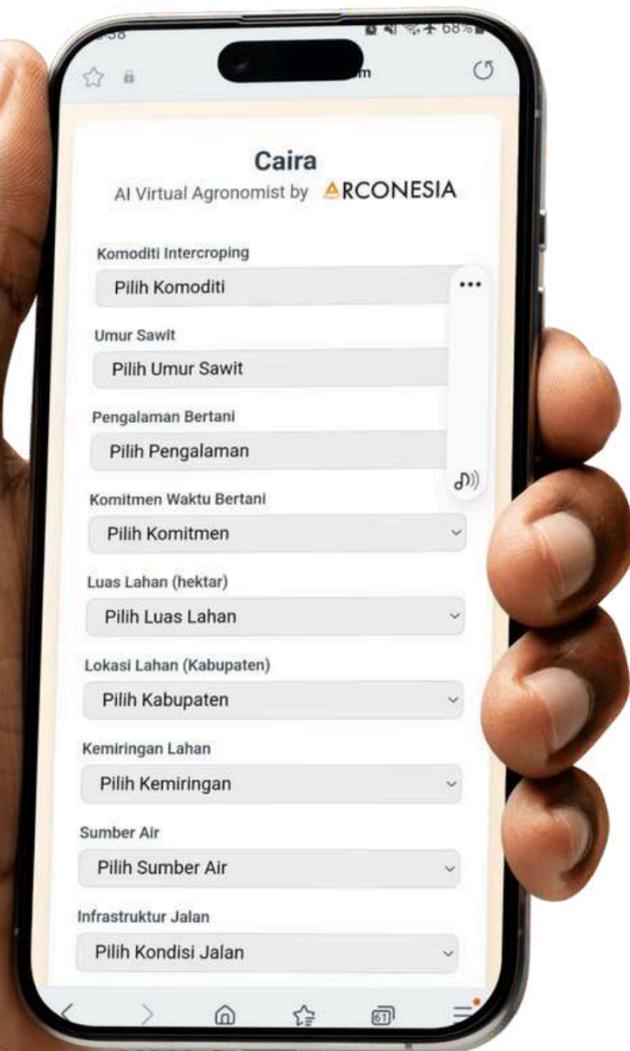
+62 858 4000 1741

Data-Driven Planning for Oil Palm Intercrops

Provides precise yield and income forecasts for oil-palm intercropping—customised to each farmer's data and field conditions—plus input recommendations and budget estimates.

Connected with Caira:

<https://caira.arconesia.com/>



The intercropping project is also supported by the **latest** and **sustainable technologies**.



Mulch and Drip Irrigation



Solar Panel Water Pump



Organic agri-inputs

Achievements and Awards



**The Most Favourite Social Enterprise
of the 'Pikiran Terbaik Negeri'
Program by BUMN Foundation**



**1st Winner
of ASEAN SEDP 3.0**



**Top 3 of LEAF Project – (JICA, DI
Vietnam and ANGIN)**



**Top 3 global call for ideas in
Milano Digital Week 2021**



**1st Winner of Innovation Fair
2022**



**Key Implementer
the SustainPalm Project**





The Social Impact of Oil Palm Intercropping*

- 01** Replaces income for oil palm farmers during the replanting phase
- 02** Provides land access for landless farmers who have no land to farm
- 03** Creates up to 10 jobs/ha - 40% held by women (women empowerment)
- 04** Reduces oil palm maintenance costs by up to IDR 25 million per hectare due to reduced fertilizer use and non-herbicide practices
- 05** Boosts carbon capture by 2–3 t CO₂/ha/year offers potential additional income for small farmers

**Note: measured and validated in collaboration with Wageningen University and Research and IPB University under the SustainPalm Project (<https://sustainpalm.org/>)*



Latest Impact Highlights from Our Recent Traction

30% - 50%

Increased income of oil palm farmers

300+

Women Empowerment

600 Tons

Potential carbon sequestration that could become future income stream for farmers

100+ Ha

Land access provided to landless farmers

IDR 3 Billion

Total cost savings for oil palm landowners

ARCONESIA
Be Connected.

Milestone since 2021

250+

Small farmers

8.000+ ha

In the pipelines

IDR 6.2 Billions

Total disbursement to farmers



ARCONESIA
Be Connected.

Meet Our *Teams*

Founded in 2020 in Bengkulu, Sumatra Island for mainstreaming intercropping system in Indonesia

Founder



Jusrian Saubara Orpa Yanda

CEO

Master's degree from Wageningen University and Research, Netherland; 4 years working on oil palm intercropping projects



Muhammad Alfian

COO

Master's degree from Gadjah Mada University; 4 years working on ecology narrative and green literature



Robbie Sughara

CTO

On going Master's student in University of Amikom; 5 years working on serial tech entrepreneur



Our *Partners*



Financing Partners



Offtakers

Bumi Buah Nusantara, CV Sinar Family Nusantara, Harus Makan Buah



Agri-input Companies



Oil Palm Companies



Enablers



Government



Universities



ARCONESIA

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“Let’s Collaborate and be Connected!”