More Precise. More Impact

Building a sustainable agriculture ecosystem in Indonesia through technology

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HOW TO FEED THE WORLD?
HUGE PROBLEM

By 2050, there’ll be 2 billion more people and we have to increase our production by at least 70%.

The amount of arable land is decreasing.

Water scarcity. But 70% of freshwater is used for agriculture.

Climate change. Increases uncertainty.
HUGE PROBLEM

Crops loss is a threat for global food security and financial burden for farmers.

Crop Loss
Due to pest & crop disease

20-40% annual loss*
$220 billion

Mr. Ace
Chili Farmer (Indonesia)

Harvest decrease due to pest & crop disease

<table>
<thead>
<tr>
<th>Year</th>
<th>Harvest</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>200 kg</td>
</tr>
<tr>
<td>2018</td>
<td>40 kg</td>
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CURRENT SOLUTIONS ARE LIMITED

34+ million farmers struggle with plant disease & pests
But only 67,000 agriculture agents available

Symptoms take time to manifest
Lengthy delay for results
Lack of information about products & GAP
Not scalable
Dr. Tania: AI-powered crop protection and management platform
4 easy steps to manage disease effectively and prevent crop failure.

**STEP 1**
Snap a picture

**STEP 2**
Get the results in seconds

**STEP 3**
Get recommendation

**STEP 4**
Get the best products
Toko Tania

Online to offline experience: Human interface for farmers

Wide Range of Products

Paylater

Delivery

Pickup

Connectivity
**BEYOND DISEASE**

Farmers’ Super App: Boost productivity through data-driven farming

Valuable data: Land Size, Disease Distribution, Farmers Performance, Financials
NEURAFARM SOLUTION

Capturing valuable data, and delivering information at scale

Soon we will be able to

- Predict the yield
- Plan and monitor fieldwork
- Give recommendations to farmers at all stages of work
- Predict plant diseases and emergence of pests
Building a more sustainable agriculture ecosystem

**Impact**

**Farmers**
- **Impact for farmers:**
  - (10% to 15%)
  - Saving in direct cost related to Agri Input

**Environment**
- **Reduce Chemical Waste**
  - (Up to 15%)
  - Better Price Discovery

**SDG**
- **1 NO POVERTY**
- **2 ZERO HUNGER**

**15 LIFE ON LAND**
- (Up to 20%)
- Increase in Farm Productivity

(Up to 50%)
- Increase in Farmer Income

NEURAFARM
**CASE STUDY**

Pilots at Cimenyan & Lembang

- **49%**: Crops Failure Reduced For Tomato
- **70%**: Reduced use in chemical
- **0.09**: Profits increase/m²/season (USD)
- **400-900**: Profits increase/ha/season (USD)

Pilots done in 2 seasons: 2019 & 2020
**HUGE MARKET POTENTIAL**

Food crops: Rice, Corn, Potato, Tomato, Chili

- **3 Mio Farmers**
- **6 Mio users** Farmers with smartphone
- **34 Mio** Farmers in Indonesia
- **13.5%** Contribution to GDP
- **15.9%** CAGR Digital Farming 2021 – 2026 (www.marketwatch.com)

For the next 3 years.
TRACTION & ACHIEVEMENTS

We move forward confidently.

+20,000 Farmers
350% Growth YoY

+200 Cities
In Java, Sumatra and South Sulawesi

+15,000 Hectares
Land managed by the farmers.

+250,000 Data collected
in 14 commodities since November 2020.
Average Monthly Acquired Data: 15K/month.

25+ Toko Tania
(Farm Supply Shop)
Joined the ecosystem

Funders & Partners

Telkomsel, tinc, Singapore International Foundation, Cisco, Global Green Growth Institute

NeuraFarm
Beyond Disease: Digitizing Agriculture

Potential Expansion

Dr. Tania

Mobile Data Capture

Near Real-time Reporting

Agri Input Companies
- Production Forecast

Financial Institutions
- Risk Management

Crop Insurance
- Risk Coverage

Farming Companies
- Productivity, predictability

Seed Production Companies
- Quality Maximization

Government and Advisories
- Better policy, increase farm sustainability
FOR INVESTORS

15% Research & Tech
30% Product
20% Marketing
35% Operational & Busdev

Funding Allocation

Raised to this date: USD 35,000
Currently seeking: Seed Investment USD 500,000

“This application is really helpful. I really like the "Ask experts" feature. Since using this feature, I have become even more aware of the insecticide because it was explained by dr. Tania”

Mudah Kuprianto, Farmer

“I often don't know who to talk to, since someone who knows agriculture is rare to non-existence in my neighbourhood. Dokter Tania provides practical solutions that help me a lot.”

Vania, Hobbyist
NEURAFARM
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