Collaborative Digitalization Program in Indonesia

Thursday, 9 September 2021
Collaborative Digitalization Program in Indonesia

**An Archipelago Country**

<table>
<thead>
<tr>
<th>TOTAL ISLAND</th>
<th>TOTAL AREA</th>
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<tr>
<td>16,056</td>
<td>1,916,906.77 km²</td>
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- **Province**: 34
- **District**: 514
- **Subdistrict**: 7,252
- **Village**: 74,954

Digital technology can be a **strategic solution** for **connectivity issues** in Indonesia.
Digitalization – Fragmented Programs –

Government Initiatives  vs  Private Initiatives
Digitalization
- Fragmented Programs -

Government Initiatives

Ministry of AGRICULTURE

Ministry of VILLAGE

Ministry of ICT
Government Initiatives

01 Developing **Agriculture War Room** (Monitoring Facility)

02 **Big Data** Analysis on Agriculture Zoning

03 **Precision Agriculture**

04 **Smart Farming**

05 Digital Platform for **Extension Services**
Government Initiatives

01 Collaborating with start-ups such as; Aruna (Fisheries E-commerce), iGrow (crowd funding), and Dapur Kita (marketplace) to brings solutions for rural economy

02 Developing 233 digital village, 131 inclusive village, 288 innovative village
Government Initiatives

Ministry of AGRICULTURE

Ministry of VILLAGE

Ministry of ICT

01 Providing high/fast internet service to 514 districts/cities through BAKTI program.
Digitalization
- Fragmented Programs -

Government Initiatives

Ministry of AGRICULTURE
Ministry of VILLAGE
Ministry of ICT
Digitalization - Fragmented Programs -

Government Initiatives

- Ministry of AGRICULTURE
- Ministry of VILLAGE
- Ministry of ICT

Private Initiatives

- Telkomsel
- BRI
- BNI
Digital Village
- Fragmented Programs -

Government Initiatives

- Ministry of AGRICULTURE
- Ministry of VILLAGE
- Ministry of ICT

Private Initiatives

Telkomsel
Collaborating with eFishery (start ups) through children to support the application of NB-IoT technology by utilizing automatic fish feeder machines in fishponds to increase feed efficiency and speed up the fish harvest cycle.

- Bank BRI
- Bank BNI
Digital Village
- Fragmented Programs -

**Government Initiatives**

- Ministry of Agriculture
- Ministry of Village
- Ministry of ICT

**Private Initiatives**

- Telkomsel
- Bank BRI
- Bank BNI

Collaborating with TaniHub (start up) developing TaniFund to create easy access to finance for farmers, facilitate access to sales of agricultural production facilities and products, and fix supply chain problems in the agricultural industry with a digital approach.
Digital Village – Fragmented Programs –

Government Initiatives

- Ministry of AGRICULTURE
- Ministry of VILLAGE
- Ministry of ICT

Private Initiatives

- Telkomsel
- Bank BRI
- Bank BNI

Collaborating with PT Pasar Komoditi Nasional building an integrated distribution channel in order to provide better distribution access for food products for consumers through online auction system.
Collaborative Digitalization Programs
Our Initiative & Concrete action
Collaborative Digitalization Programs

Our Initiative & Concrete action

FAO

Collaboration

Government of Indonesia

Collaboration

Other Stakeholders

Collaboration
Collaborative Digitalization Programs
Our Initiative & Concrete action

National Strategy And Digital Village
A Technical Cooperation Program to support the development of National E-agriculture Strategy.

National Strategy of E-agriculture is (1) identify, (2) design and (3) develop sustainable ICT solutions/services to overcome challenges faced in agriculture.

Intensive stakeholders communication with MoA, BAPPENAS, World Bank, and Private Company to inclusively develop digitalization for agriculture sectors.
Digital Village Initiative

01 Collaboration with Univ.
Initiate collaboration with Universities to plan stock taking actions, piloting and deploy sustainable and manageable digital innovations at community level.

02 Applied Business Model
DVI offers roadmaps for appropriate business models for rural digitalization. Smart Farming with two universities in Indonesia.

03 Complementary w/ National Strategy
Digital village piloting can effectively contribute to the E-agriculture strategy implementation.
Thank you & Terima kasih