

Giftmakers to the Earth

Biogas above the clouds

**2 new biogas installations at
Catur Village, Kintamani gives
farmers hope**



Climate Field School in
Jambi collaboration
with BMKG and Rikolto

Giftmakers.

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Giftmakers to the Earth



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BE-TANK

CFS
2021

Climate Field School 2021
Indonesia, BMKG Jembrana and
BMKG Jambi.

BY OKTAVIANNA WINDA
PHOTO BY GEDE HARRY ARUM WIJAYA

We held a two-day CFS collaborating with Rikolto Indonesia, BMKG Jembrana, BMKG Jambi, and Jambi Agriculture Extension Worker. The CFS was conducted for coffee & cinnamon farmers in Jambi, one of Rikolto's partners. Overall, the CFS aims to improve farmers' and extension workers' understanding of weather and climate information to better adapt to the impacts of climate change on agriculture and plantations.

"Climate change is happening. Many parts of Mount Kerinci have been turned into plantations and causes conditions in the Kerinci area to be hotter than in previous years."



The conversion of forest land to a planting area must be carried out in a balanced manner by also considering plant biodiversity factors. Pak Sagi is one of the instructors at the Climate Field School, which was held due to the collaboration between su-re.co, BMKG Jambi and Rikolto Indonesia. In this activity, he provides knowledge to farmers regarding the implementation of sustainable agriculture.



A total of 15 farmers participated in the CFS. Participants completed a pre-test and post-test to assess the increase in farmer knowledge. They are expected to apply the knowledge gained during the activity to manage their agricultural land, reduce the risk of losses due to weather and climate factors, and increase the production of premium commodities in their respective regions.



The CFS curriculum is based on adult learning, with 40% presentation and 60% interactive games. One of the interactive sessions included using weather and climate data, and the BMKG team demonstrated how to read climate information from a map. Next, participants were divided into groups of three people to do a similar assignment. In the end, each group gave a presentation in front of all participants. It was a very fruitful session!

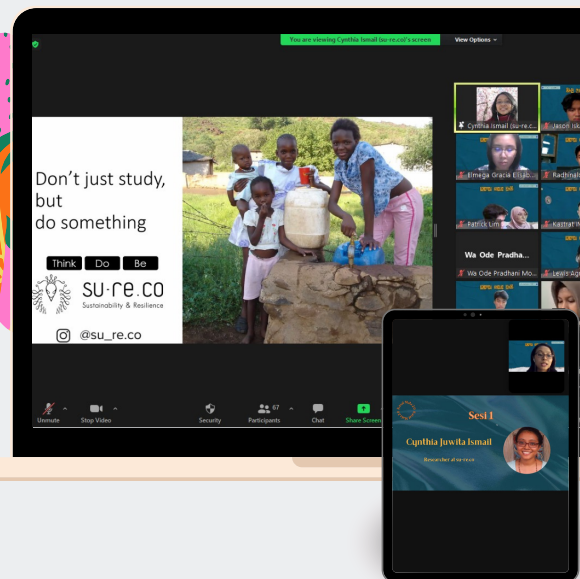


On the second day of CFS, we conducted a field study in which Sagianto and the BMKG team mentored each group for observing the condition of the coffee trees. The observed plant variables were then written and drawn in their notebooks. Observations show that some coffee trees are unhealthy due to pests and weeds. Furthermore, some trees must trim their branches as part of the maintenance process for the coffee cherries produced to be of higher quality.

In the closing, I Wayan Andi Yuda said that farmers could start recording yields and production from their plantation to compare it with weather & climate data. I think it's a good point to consider!

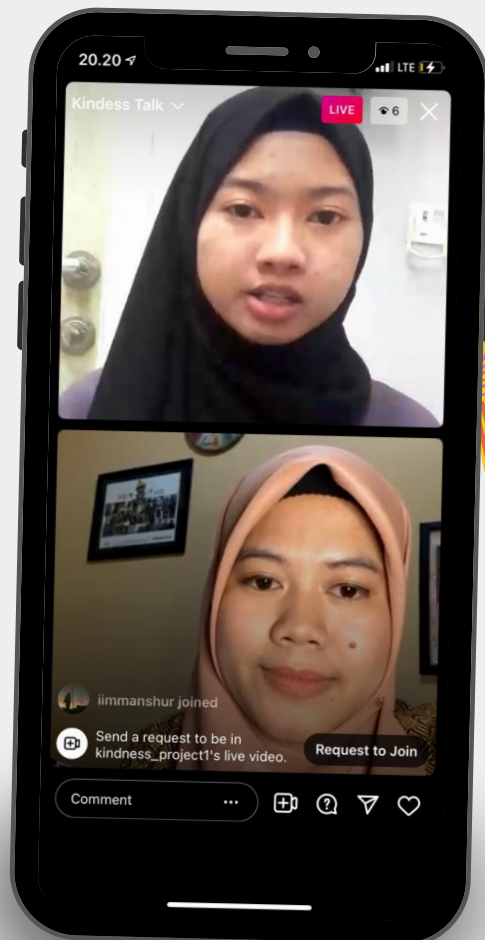
Online/Offline collaboration event.

Singalong with Toko Seniman
Singalong Coffe Session: Climate Smart Coffe



Kasat Mata 2.0

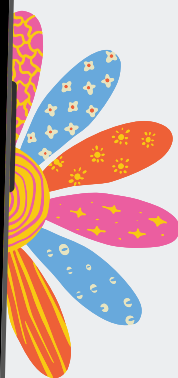
Climate Change Awareness:
How's Indonesia?
Zoom Webinar with IMTK UI 2021



Sustainable Fashion

Tetap keren dengan
sustainable living

Instagram Live @astabhumi



Kindness Talk

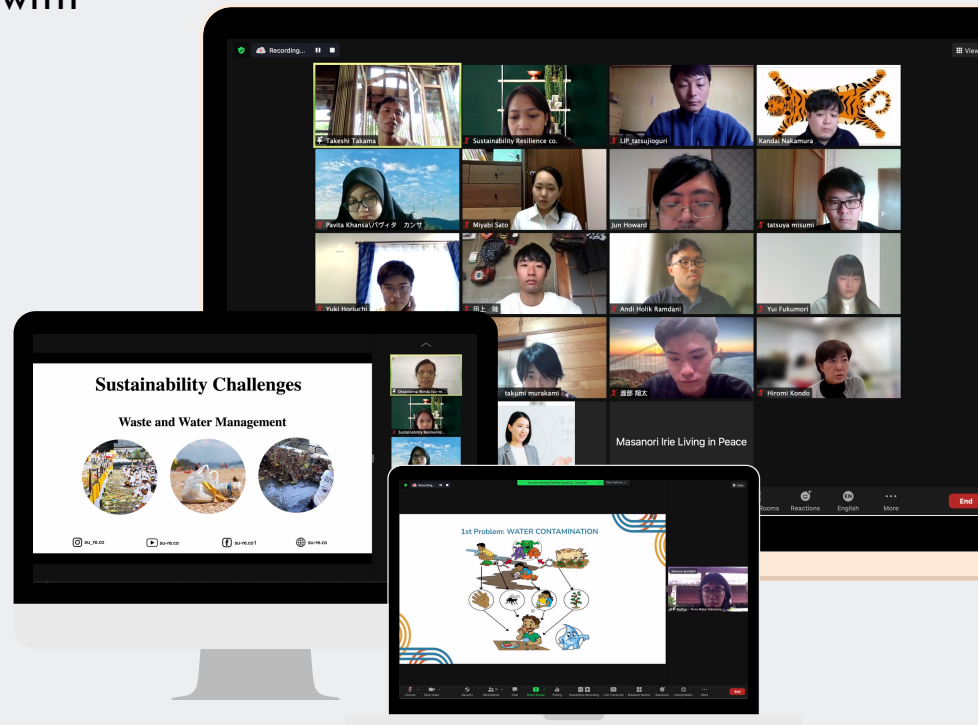
Degradation in Agricultural
Quality and Productivity Due to
Climate Change

Instagram Live @kindness_project1



BE-TANK

SDGs Training Program with



DAIKI AXIS JAPAN

A collaboration between
Daiki Axis Japan, TigerMov, and su-re.co

By Pasthika Maya

Daiki Axis Group, based in Japan, is expanding the network globally as a corporate group that contributes to building a comfortable, natural, and people-friendly living environment with “water” related businesses as the lynchpin. This event conducts training for new employees who have just entered the company. In collaboration with su-re.co, Daiki Axis had an SDG Training that focused on the Bali sustainability issue. Since the pandemic hit, it is impossible to hold the event offline.

During this event, participants not only discovered the environmental issues in Bali but also have a chance to meet the Balinese community who works towards sustainability. Participants were divided into 2 groups. Where each group explores the different issues in Bali. At the end of the session, they gave a presentation of what they have learned. The first group had a presentation with the title "Improving clean water access in Bali Society" and the 2nd group talk about "Reviving Bali's Beautiful Spots."



from



excess



to



energy.



DO-TANK

Biogas above the clouds

By Gede Herry Arum, Isma
Photo by Gusti Ayu Ismayanti

Located 1500 meters above sea level, Kintamani is considered the highest area in Bali. This land is blessed by its fertile farmland, volcanic soil from Batur mountain. For generations, this land has been used as agricultural land. One of the most valuable commodities is Kintamani Coffee. One of the villages where our biogas has been installed is Catur Village. The village is famous for its Arabica coffee commodity in Bali.

Pak Pulih (right) and Pak Dadang (left) is two of the 3500 farmers who are member of the MPIC Kintamani (Masyarakat Perlindungan Indikasi Geografis/Geographical Indication Protection Society). They have an important role as The Leader of Subak Abian Triguna Karya, Pak Pulih is passionate about developing the quality of Kintamani coffee products. Installing biogas from su-re.co is one of the ways to improve the quality while maintaining sustainability.



The potential of Arabica coffee plantations in Bali is very promising. Moreover, there is already a special IG area for Arabica coffee in Bali with a community called MPIG (Masyarakat Perlindungan Indikasi Geografis) with the product name, Kopi Kintamani. Subak Abian is a traditional organization in Bali that is engaged in agriculture.

In Catur Village, Kintamani, there are 8 Subak Abian, one of which is Subak Abian Triguna Karya. Subak Abian, led by Pak Pulih, is engaged in Arabica coffee with continuously improving quality. Pak Pulih always tries to improve the quality of coffee products in Subak Abian which he leads with various strategies. One of them is by utilizing dangerous biogas technology with su-re.co. The first time they heard about biogas technology, Pak Pulih and other farmers had negative thoughts

because previous biogas assistance from other institutions was too expensive and difficult to operate. After hearing the explanation from the su-re.co team and seeing the biogas system, Pak Pulih was interested in trying to install it on some farmers in Subak Abian Triguna Karya.

At the time of the biogas installation, Pak Pulih was surprised by how simple the process was, it didn't require a lot of digging a-holes and technical operations were easy. Pak Pulih and Pak Dudung were very enthusiastic in helping the installation process. The filling process is done with joy, just waiting for the results 2 to 3 weeks after the installation process.

Above
Our engineering officer, Herry gives Pak Dudung instruction until which level mixture of cow manure and water should be filled into the biogas

"During the pandemic, my job remains as a coffee farmer. For me this coffee is my life and death. I eat, live, and pay for my children's school all from coffee."

Pak Pulih

18 Months of LANDMARC and TIPPING+

A short recap of what we have been doing



SU-re.CO
Sustainability & Resilience



It has been 18 months since the kick-off of two European Commission Projects, TIPPING+ and LANDMARC. Through both projects, we conducted three international workshops and stakeholders dialogue in 2021 with more than 430 participants.

Since last year, the TIPPING+ project engaged with diverse stakeholders to identify in which direction or how to move from coal and carbon-intensive activity towards clean energy and how each stakeholder shapes the future energy system. As delivered by Cynthia Ismail, "In regards to visioning of the energy system in Indonesia, there are two themes emergent, decentralised or more flexible system to manage all types of clean energy, and all of our social, industrial economic activities will be electricity based. This visioning is mainly driven by three key drivers, resources availability and technological options, policy intervention, and how their interaction will lead to a multilevel innovation driving our current situation towards clean energy".

In the LANDMARC project, we have done more than 100 engaging activities to introduce the project. We have around 78 case study stakeholders from 41 organizations, 112 national stakeholders from 37 different organizations, and 45 continental stakeholders from 25 organizations. The main outcomes of our stakeholder engagement activities in the past 18 months were a validated LMT (Land-based Mitigation Technologies and Practices) portfolio, modelling scenario, and case study collaboration and dissemination. The engagement activities also explored the stakeholders' capacity gap in LMT implementation and risk assessment survey and climate assessment that will be the input for the modeling scenario.



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Get a taste of our climate smart products from
Indonesian farmers using organic fertilizer and clean
energy from our biogas

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Bright and fruity characteristic of
65% dark chocolate from
Tabanan - Bali with coffee beans
inside

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50 gr



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1 kg



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SU-re.CO

Sustainability & Resilience

Established in 2015, su-re.co (Sustainability and Resilience) is an environmental Think-Do-Be-Tank based in Bali. Our vision is to be the giftmaker for the earth. To achieve this vision, we set a mission. We deliver well-thought outcomes because we need scientifically proven sustainable and resilient solutions. We work on think, do, be activities together.

Bali, 2021