



International Association
of Students in Agricultural
and Related Sciences

IAAS LC UNPAD
X
SDN SUKAMANTRI



GLOBAL PROJECT REPORT

2023



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Words from President



Dear reader,

Our world faces many challenges: food insecurity, inequality, health problems, and climate change. New approaches to agriculture are needed to solve the challenges of today. This report shows how IAAS drove change in 2023 and how young people lead by example.

Each of these projects is improving our world, all with little investments but driven by big ideas. In the spirit of IAAS, we should share knowledge and ideas to reach mutual understanding.

Let this document be an open invitation to do just that. Let's show the world what we can do, and let's reach out to our fellow members and see how you can learn and how we can support each other. This document also serves as a guiding document for other (student) associations and organizations to join forces with these youth-led projects.

Go further, go IAAS!

Thomas Westhoff
IAAS World President 22/23



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Words from **WIA** Coordinator



The Women in Agriculture (WIA) project is an initiative that seeks to address the issue of gender inequality in the agricultural space. According to FAO, women make up to 43 percent of the global agricultural labor force, yet they face significant discrimination in decision-making, access to financial assistance, equal pay, and land ownership.

Women of various degrees around the world face these issues. Hence, we can not over-emphasize the need for the Women in Agriculture initiative.

With several committees committed to the Women In Agriculture project, IAAS can directly impact countless women's lives.

From physical training to programs to webinars, women are empowered with the knowledge to do better for themselves and others and to take up crucial roles in their communities.

Brenda Adaeze Nwaubani
Women in Agriculture Coordinator 22/23



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Words from **VCP** Coordinator



As a youth association, we support innovative and novel creations worldwide. These ideas and projects need to be revived to solve the current environmental pollution, climate change, and gender issues.

Not only this, we encourage these projects to launch and implement their ideas into action. It's high time we need to work for our future generation where our efforts create impacts. So this document can be a significant milestone for every stakeholder who wants to contribute to a unique approach. We promote this knowledge through an inclusive framework among diverse members.

From every nook and corner, youth came up with specific innovation we want to nurture and let the world see what IAAS can do.

Go Further! Go IAAS!

Sagar Paudel
Village Concept Project Coordinator 22/23



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Words from **NFW** **Coordinator**



Preventing food waste is essential because it can help to reduce greenhouse gas emissions and conserve natural resources. According to a study by the FAO, global food waste is responsible for 8% of greenhouse gas emissions.

As a youth association, we are committed to supporting innovative and novel projects that address the pressing issues of (food) waste. Our generation must take action now to ensure a sustainable future for all.

To this end, we actively encourage developing and implementing new ideas and projects that rethink how society produces and manages waste.

IAAS is trying to change from awareness campaigns to No Food Waste plans for events to real-life projects around the circular economy.

Join us as we work towards a brighter future for all.

Md Mahadi Hasan Tushar
No Food Waste Coordinator 22/23



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Words from One Health Coordinator



People's health is directly impacted by the welfare of animals and the environment we share with them. People and animals contact more frequently and closely than ever in the current world, sharing settings, illnesses, and other health problems. Each year, zoonotic infections affect millions of humans and animals worldwide. Diseases do not respect borders, as the pandemic has shown us.

Understanding these links will lead to a better world for everyone. The One Health strategy can stop zoonotic disease outbreaks in humans and animals, enhance food safety and security, and benefit economies that depend on livestock production. It can also lower antibiotic-resistant infections, improve human and animal health, and safeguard global health security. In general, the One Health strategy promotes the wellbeing of all living things by bringing specialists from many professions together to address issues that endanger people, animals, and the environment.

Tangimul Islam
One Health Coordinator 22/23



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Words from IDP Coordinator



River deltas are landforms that are formed at the mouth of a river where it meets a body of water, such as an ocean, sea, or lake. They are typically characterized by a triangular or fan-shaped area of sediment that has been deposited by the river as it slows down and spreads out. River deltas are dynamic and constantly changing due to the interplay of sediment deposition, erosion, and the forces of waves and tides.

Deltas are vulnerable to environmental changes, including sea-level rise, land subsidence, and human activities such as dam construction and river channelization. These factors can disrupt the delicate balance of sediment deposition and erosion, leading to the degradation of deltas and the loss of their ecological and socio-economic benefits. Therefore, IAAS Delta Project has as its main mission the protection and conservation of deltas all around the world towards knowledge transfers and dissemination, international cooperation and sustainable local management.

Cristhiam Jose Flores Medina
IAAS Delta Project Coordinator 22/23

History of IAAS projects



Village Concept Project

The history of the Village Concept Project (VCP) dates back to the late eighties. When representatives from AIESEC, ELSA, IPSF, IFMSA, and IAAS met at the first Intersectorial Meeting of the International Students Organization (IMISO) hosted at the World Health Organization Headquarters in 1986. At that event, the idea of Village Concept Projects was laid out and the project still runs in our association today.

The “Village Concept” was a concrete action of young students to achieve self-sustainable improvement of health conditions and general development parameters in human settlements.



The IAAS Women in Agriculture Global Project was officially started on the 8th of March 2018 (International Women's Day). The road to this great initiative towards achieving Sustainable Development Goal 5 started during the 59th World Congress in Indonesia in 2016 and the 60th World Congress in Mexico in 2017. The project aims to promote gender equality and provide a platform for them to share their problems and experiences and how they can overcome them.



Formally started on the 11th of July 2023, the goal of this Global Project is to inform and act on the interconnectedness of human, animal, and environmental health. The idea for the creation came from earlier collaborations with IPSF, including an event on November 3rd, 2022, One Health Day, and the International One Health Conference from 6-8th of July 2023. It was the project's first step with participation from many different countries' researchers.



**No Food
Waste.
No Leftovers
Behind.**

On World Food Day, 16th of October 2016, IAAS World launched its No Food Waste Project. This project was born in a workgroup from the 59th World Congress in Indonesia to raise food waste awareness. We all know how much food can be wasted when cooking, so we want to encourage people to take advantage of all the ingredients or materials left after preparing a dish. Later, a campaign was created called No More Food Waste, and at WOCO in Morocco in 2021, a No Food Waste Plan was made mandatory for all events.



The IAAS Delta Project aims to promote sustainable water management practices in river deltas around the world. The project formally started on the 2nd of March 2023. It is in line with IAAS' commitment to the UN Water Action Agenda.

Pillars of Global Projects

Community Action

Students, together with local communities, help each other to establish general and specific objectives to improve living conditions in the area. IAAS global projects aim at creating social impact and economic growth in rural areas and fostering development and adaptation to climate change by building resilience and empowering livelihoods.

International Approach

The IAAS Global Projects encourage international collaboration. Students from all over the world have participated in global projects during its history. In addition, students are also invited to jointly work on a project. A good example is IAAS France, who is supporting a project of IAAS Togo.

Intersectorial Approach

Collaboration with students from various other disciplines like pharmacy, veterinary or medicine, is welcomed in IAAS projects. To foster this, international events have been organized such as the International One Health Conference





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BANGLADESH



MUSH-HOOM



BY IAAS BANGLADESH



Sylhet, Bangladesh

STARTING & ENDING DATE

Starting Date: 2022/09/15

Ending Date:

PROJECTS CHALLENGES

As a newly emerging start-up, the main problem we are facing is we need good amount of starting capital. We are working on that. Secondly our start-up demands a strong connection and a lot of field work. We are working to solve this problems and make it more easier for us to handle.

GENERAL INFORMATION

MushHoom is a company where we are creating a block-chain of employment by producing white gold mushrooms. Target employees are mostly women, housewives, retired individuals or even small job holders. We will train them to make them professionals in mushroom cultivation. We provide them with specialized mush-hoom chambers and spores. By utilizing it they can produce mushrooms very easily and utilize household cellulosic waste during production as one of the substrates. We will monitor the whole process and guide them at every point. Then we will collect mushrooms and dry them and after packaging, they will be ready for sale.



AGRICULTURE FOR ALL



BY IAAS BANGLADESH



Patukhali Science
&
Technology

STARTING DATE

Starting Date: 2023/02/24
Ending Date: 2023/04/28

PROJECTS CHALLENGES

Due to post pandemic situation, our local committee's university have faced academic pressure and examination, for this we have faced difficulties to implement the project timely. Rural people sometimes show less interest to these kind of project.

GENERAL INFORMATION

Agriculture for all aimed to increase agriculture related knowledge and skills of rural women, farmers and youth to make an impact on food security of rural families. It will help to empower rural women to become self dependent and take care of the health of their family. We want to introduce the rural farmers to innovative ideas and technological knowledge in agricultural sector to increase their productivity. It will engage youth in agriculture and encouraging them to build up career in agricultural sector.



CAMEROON



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CREATION OF AGROPOLE OF FARMS OF 50 HAC FPR INTERNATIONAL MARKETS



BY IAAS CAMEROON



Cameroon

STARTING & ENDING DATE

Starting Date: 2023/10/09

Ending Date: 2023/13/24

PROJECT CHALLENGES

Finance and International Label
Creation, with International
Competitivity.

GENERAL INFORMATION

Title:

Creation of an Agropole of Farms of 50ha
for International Markets.

Main Goal :

Promote the local production and create
an International Label of our Products.

Market:

National and International.

Main Actors:

IAAS Cameroon & Local Farmers
(Agricultural Cooperatives).

Impact :

Creation of 50 jobs at 1 Year.

Limitation of poverty

Getting Devices by selling internationally.



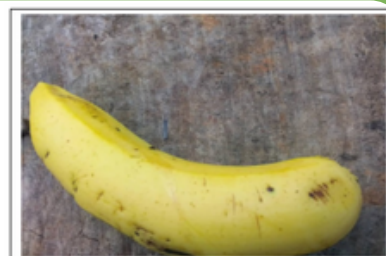
INCLUSIVE DEVELOPMENT



Mature cocoa pods



Diverse Farm Products (Banana, Potato, Yams, etc...)



(Banana Finger)



Cocoa Nursery Ready for Transplanting

BY IAAS CAMEROON



Cameroon

STARTING & ENDING DATE

Starting Date: 2023/02/15

Ending Date:

PROJECTS CHALLENGES

Economic Autonomisation; Food Waste - Food Safety & Environment Protection; Improving the quality and quantity of agropastoral production for better consumer health; Inclusion and Participation of Women and Girls in Family Economy and Agro-Industrial Development in Africa.

GENERAL INFORMATION

Inclusive Development Projects in Cameroon, in collaboration with other national and international organizations whose goal is the economic empowerment of rural populations and women in particular, who live from Agro-pastoral production activities to create periodically depending on the production schedules, mini grouped sales centers for the greater good of the populations of all social strata of Cameroon and Africa for the Development Phase.



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COSTA RICA



COOPERATIVES MUJER EN CAFE



BY IAAS COSTA RICA



San Marcos

STARTING & ENDING DATE

Starting Date: 2022/08/22

Ending Date: 2023/04/25

PROJECT CHALLENGES

Women in agriculture and gender inequality in the coffee sector are one of the main problems we face. In some cases, many of these women do not have adequate access to essential resources and services such as land, adequate agricultural machinery, availability of credit, adequate professional training, and access to technology, and this has a negative impact on business development.

GENERAL INFORMATION

The Zona de los Santos (Dota, Tarrazú and León Cortés) is an association of women who are part of the speciality coffee value chain in the Tarrazú region, where we rely on support for business management and personal development. We position ourselves in the speciality coffee market as a group of inspiring women leaders committed to personal and social development.

The description of the project is to raise the funds that will help us to graphically represent our association Asomic-Tarrazú through a branding proposal, where we can achieve a differentiation with what already exists in the market and that allows us to get closer to our target market based on the different objectives that we have.



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ECUADOR



JOMBATO ALLIANCE



BY IAAS ECUADOR



Ambato

STARTING & ENDING DATE

Starting Date: 2021/06/01

Ending Date: 2024/12/21

PROJECT CHALLENGES

The community's primary source of income is conventional and monoculture agriculture, which directly impacts the Jambato's habitat. I want to let you know that these activities are primarily for internal consumption and not for commercial purposes, as they are not well remunerated.

GENERAL INFORMATION

Jambato Alliance is an initiative that unites the efforts of various academic institutions, organizations, researchers, and the community, taking on the challenge of protecting the Jambato frog (*Atelopus ignescens*), which is critically endangered and almost on the brink of extinction.

Researchers and community leaders have joined forces to conserve this unique animal. The Jambato is a frog species which was historically abundant, yet they suddenly disappeared in the late 1980s; with its last sighting being recorded in 1988. By 2004, the IUCN had declared the species extinct. In 2016, in the parish of Angamarca, located in the province of Cotopaxi (Pujili district), the Jambato was rediscovered.



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GHANA



WOMEN IN ME



BY IAAS GHANA



Khumasi, Ghana

STARTING DATE

Starting Date: 2023/01/21

Ending Date: 2023/12/31

PROJECTS CHALLENGES

The association isn't financially stable so we are only able to raise small amount of money which does not help Us train more women as we seek to. But we believe more women should be given the opportunity to join the initiative and be catered for.

GENERAL INFORMATION

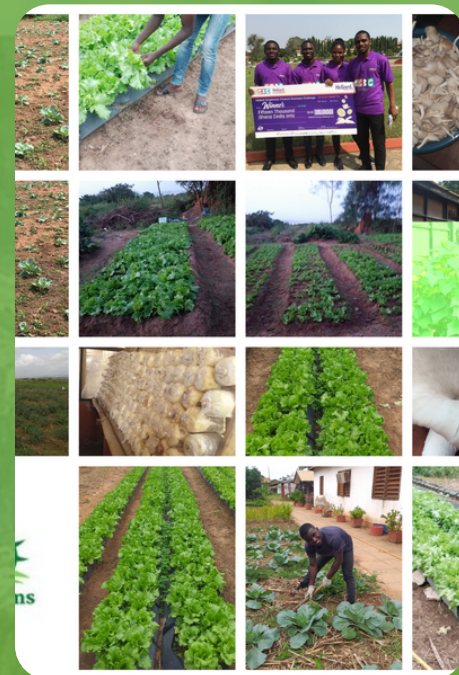
It is an initiative for women in agriculture to empower them and to raise awareness toward gender equality in agriculture and to play emphasis on the role of women in agriculture as an agent of change towards sustainability and innovation. This is an initiative specifically targeting the females within the college of agriculture and natural resources and other IAASers from science-related colleges who are associate members of IAAS within Kwame Nkrumah University of Science and Technology (KNUST).



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STEFARMS: ORGANIC URBAN FARMING



BY IAAS GHANA



Haatso

STARTING & ENDING DATE

Starting Date: 2022/03/03

Ending Date: 2024/11/03

PROJECT CHALLENGES

Currently we are faced by finances to expand our services especially in the provision of training. In terms of vegetable production we don't have large acreage of land thus, production size is limited.

GENERAL INFORMATION

Few organic wastes in the agricultural sector are being recycled into meaningful use. However, some of this waste can be used to produce organic mushrooms and a soilless media for crop cultivation. The use of wastewater for irrigation and inappropriate use of chemicals by urban farmers has resulted in the consumption of vegetables unhealthy for consumers. Recycling of solid organic waste (sawdust) into organic mushrooms through composting.

Recycling solid organic waste (sawdust, rice husk, poultry manure) to produce soilless media for vegetable farming. The use of clean water and chemical-free (botanicals) for the production of vegetables.



INDONESIA



COMMUNITY DEVELOPMENT



BY IAAS INDONESIA



IPB University, Bogor

STARTING & ENDING DATE

Starting Date: 2022/10/24

Ending Date: 2023/12/25

PROJECT CHALLENGES

The financial issue is really the only one we have. Our program occasionally is not financially viable, and this might have an impact on the farmers' involvement since we are unable to continue the program. The academic and program scheduling conflicts are the main cause of the side issue.

GENERAL INFORMATION

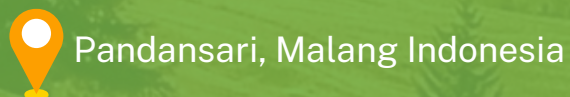
The first subject to have an effect on the VCP and the community is community development. This program is divided into 4 smaller programs, each covering a similar but distinct subtopic. The first sub-program emphasizes the importance of village development for the advancement of the nation; the second sub-program will see its application in typical rural goods that support the growth of SMEs. The third one discusses social movements aimed at getting young people to pay more attention to global concerns, while the fourth sub-program, YOUTH AGRICARETURE, goes to VCP program, which will ultimately return to VCP with enhanced awareness from both young people and farmers.



GENERATION 1 "PANDANSARI BERSERI"



BY IAAS INDONESIA



STARTING & ENDING DATE

Starting Date: 2023/03/01

Ending Date: 2023/10/31

PROJECT CHALLENGES

The first year of our efforts in Pandansari Village was this year. Therefore, in order to create and improve our programs, we require research and partners.

GENERAL INFORMATION

A initiative called Village Concept Project (VCP) Pandansari Berseri sought to empower the local community. It consists of three primary components: community development, agriculture, and the environment. Through this initiative, students who have more access to education may impart their knowledge to rural communities, having an influence on the community.



FARMING CLASS



BY IAAS INDONESIA



Semarang, Indonesia

STARTING & ENDING DATE

Starting Date: 2023/03/19

Ending Date: 2023/10/27

PROJECT CHALLENGES

We had trouble modifying the timeframe because each participant had a distinct schedule, which required many adjustments. In addition to internal limitations, we encountered external ones as well, such as bad weather for offline activities and a lack of contact with the school at the beginning of the program.

GENERAL INFORMATION

This program is aimed at elementary school students to increase their knowledge, attitudes and skills towards agriculture and environmental issues around it. This program consists of 3 major activities: social campaigns, online classes, and study tours. The social campaign is carried out by teaching students how to make crafts from plastic waste as campaign materials. The study tour by visiting coffee plantations around VCP because our VCP has a lot of coffee commodities. Online classes are conducted to share knowledge about agriculture, such as introduction to plant parts, agricultural vocab, and more. This program lasts for one management period which is held every 2 weeks.



Cassava Yogurt: EMPOWERING THE WOMEN GARMERS GROUP BY OPTIMIZATION OF AGRICULTURAL PRODUCTS



BY IAAS INDONESIA



Karanganyar, Indonesia

STARTING & ENDING DATE

Starting Date: 2022/05/01

Ending Date: 2023/08/31

PROJECT CHALLENGES

The problem we face is there is not yet a permanent place for yogurt production. The initial idea was that the production process was carried out by moving around at the women's group members' homes. Another problem we face is the difficulty of access to VCP transportation, which hinders the progress of the project. In addition, the flavor variants of yogurt have not been innovated so it might affect consumer demand. Nonetheless, we are still trying to find the best solution to this problem.

GENERAL INFORMATION

IAAS LC UNS brings a new innovation that can be applied in processing cassava to increase interest and selling value, which turns cassava into yoghurt. The background of this project is cheap cassava prices, and when the women farmers group want to turn it into processed food, the idea is limited to turning it into chips. This project will be started by workshops about potential of cassava, as well as the benefits and value of the yogurt. After that, we will hold a training program and assistance about how to make a yoghurt from cassava. The training will focus on the process of selecting quality raw materials, product manufacturing, packaging, and wider product market. There are also product trials and legal license training for product commercialization in order to gain a wider market.



**EMPOWERING Agriculture:
BR, Jamu Kita!**



EMPOWERING AGRICULTURE

**EMPOWERING Agriculture:
BR, Jamu Kita!**



BY IAAS INDONESIA



Bogor

STARTING & ENDING DATE

Starting Date: 2023/08/14

Ending Date: 2023/11/14

PROJECT CHALLENGES

1. No Poverty
2. Gender Equality
3. Economic Growth

GENERAL INFORMATION

Based on this, IAAS Local Committee IPB University also tried to present community empowerment through "Jamu JBR (Jabal Rahmah)" in Jabal Rahmah Village, Tapos I Village, Tenjolaya District, Bogor Regency. This activity is targeted to empower farmers' mothers/farmers' wives in Jabal Rahmah Village who are often sidelined in agriculture so that it can help them in the financial aspect by carrying out an entrepreneurial activity in the category of food and beverage service product innovation.

In line with the Sustainable Development Goals, Jamu JBR's business activities are expected to contribute to economic growth, gender equality, and decent work. Jamu JBR's activities began with the formation of a farmer women's group, KWT Mawar Bodas, which aims to form an institution with certainty in the organizational aspects to develop Jamu JBR.



FARMING EDUCATION



BY IAAS INDONESIA



Semarang

STARTING & ENDING DATE

Starting Date: 2022/05/19

Ending Date: 2023/08/25

PROJECT CHALLENGES

Activities cannot be carried out on weekends due to problems with the implementation schedule and the participants' schedule. So that the project must apply for dispensation every time it carries out activities.

GENERAL INFORMATION

FarmED is a basic training activity about purposeful agriculture increase knowledge about the benefits potential commodity in VCP and training FarmED home waste utilization is Basic agricultural training activities aims to increase knowledge about the benefits of commodities in the VCP and training in order to increase a sense of love for the environment.



SEED LIBRARIES



BY IAAS INDONESIA



Bogor

STARTING & ENDING DATE

Starting Date: 2022/09/09

Ending Date: 2023/11/30

PROJECT CHALLENGES

COVID-19 pandemic has further exacerbated food security concerns in Indonesia. Decreased income and reduced access to resources have intensified the pressure on food security. On the demand side, COVID-19 poses threats through its adverse effects on employment, poverty levels, and overall nutrition and health outcomes.

GENERAL INFORMATION

The Seed Library is a community-based project that demonstrates libraries can offer more than just books. These seed libraries provide the community with access to free seeds and environmental education. Our motto, "Take what you Need, Share back the Seed," reflects our commitment to the following philosophies:

LEARN

TAKE

GROW

SAVE

SHARE

ENGAGE



NGAJUNGJUNG LINAJUNG



BY IAAS INDONESIA



Sumedang

STARTING & ENDING DATE

Starting Date: 2023/18/03

Ending Date: 2023/05/13

PROJECT CHALLENGES

1. Miscommunication about Rosella Varieties
2. Capital deficiency
3. Limited Land

GENERAL INFORMATION

There is a farmers group consisting entirely of women. The group is called Malati Asih and is led by Mrs. Ani, with a total of 22 members. They collaborate with IAAS LC Unpad to develop a healthy beverage made from roselle plants. IAAS LC Unpad sees great potential in the health drink product. Through brainstorming sessions, IAAS LC Unpad and KWT Malati Asih came up with the brand name Aesthetea.

The product development includes:

1. Branding the beverage as Aesthetea and creating marketable packaging.
2. Legalizing the product to obtain sales permits and halal certificates.
3. Selling Aesthetea products through online media and bazaars.



TURNING BLACK INTO GOLD: Black Turmeric Conservation



BY IAAS INDONESIA



Surakarta: Indonesia

STARTING & ENDING DATE

Starting Date: 2023/05/01

Ending Date: Ongoing

PROJECT CHALLENGES

This black turmeric is considered as a rare plant in Indonesia because black turmeric is still rarely cultivated. The people in Pojok Village have the knowledge to cultivate black turmeric, but are still lacking in professional management.

GENERAL INFORMATION

We want to make black turmeric conservation as an effort to maintain the sustainability and quality of black turmeric produced. This project can be an effort to empower the women farmers group in Pojok Village to manage conservation and the products of the black turmeric. It can increase the knowledge and insight of the Pojok Village people about the benefits of medicinal plants so they can carry out proper processing.



PANGSAN WORKSHOP, GREEN ACTION AND FOOD ENERGY CONSUMPTION



BY IAAS INDONESIA



Badung Regency

STARTING & ENDING DATE

Starting Date: 2022/04/29

Ending Date: 2023/10/14

PROJECT CHALLENGES

The problem faced in carrying out this project lies in the difficulty of bureaucracy on campus, especially in processing funds to support activities. Another problem is the lack of quantity of human resources in IAAS LC UNUD that you participate in this program so that most of the organizing committee comes from outside IAAS student members.

GENERAL INFORMATION

The Pangsang Workshop, Green Action, and Food Energy Competition work program is a series of programs that raise four major issues, including VCP education, environment, food security, and renewable energy sources. This activity began with an opening in the form of a hydroponic workshop and training at Pangsang Village, with the farmers and village staff as participants. The trainer is an entrepreneur from Gumineponik, who is a hydroponic activist in Bali Island. The second event was Beach Clean Up as a form of direct environmental action, followed by a National Webinar that invited speakers who were experts in the field of handling environmental problems, especially pollution due to current climate change, who invited young people throughout Indonesia.



PPM *TPV2 INTRODUCTION AND COMMUNITY EMPOWERMENT * TOP PROGRESS VCP TEAM



BY IAAS INDONESIA



Yogyakarta

STARTING & ENDING DATE

Starting Date: 2023/08/31

Ending Date: 2023/11/30

PROJECT CHALLENGES

The problem faced is that PPM x TPV activities are a VCP human resource where there is still minimal knowledge possessed by the community in agriculture. In the livestock sector from the IAAS LC UMY Project Department needs to be carried out on an ongoing basis because previously, there had never been socialization activities and practices for making fermented animal feed held in the village.

GENERAL INFORMATION

The PPM x TPV 2 program is a bridge for the VCP community to achieve village food self-sufficiency. The running projects program emphasizes the PPM x TPV 2 program in the livestock sector. Basically, the livestock sector in the VCP village is a livestock sector that the village head has just formed as a food self-sufficiency program plan. The farm there consists of two cattle pens with a total of 14 goats. In this case, the village head wishes to form a tourist village, which will later be engaged in animal husbandry and processing livestock faeces into organic fertilizer as income for VCP villagers. Not only that, the Head of Muntuk Village also formed farmer cadets.



WILUNGO : PUMPKIN SEED OIL PRODUCTION & DEVELOPMENT T REDUCE AGRICULTURE WASTE AND EMPOWER WOMENS ROLE IN AGRICULTURE



BY IAAS INDONESIA



Bantal, Yogyakarta

STARTING & ENDING DATE

Starting Date: 2023/05/29

Ending Date: 2023/12/02

PROJECT CHALLENGES

We only rely on GPC reward as our funding to run this project, so we need another fund in order to keep the continuity of this project. Other than that, we need a solution to encourage and educate the members of KWT. Woruti, so they will likely join and support us in this program.

GENERAL INFORMATION

Bojong is a village in the province of Yogyakarta, Indonesia, particularly in Bantul City, which is where the Village Concept Project (VCP) of IAAS LC UGM takes place. Bojong has a women's community called Kelompok Wanita Tani (re: Farmer Women's Group) Wonolelo Rukun Sejati (Woruti), a group of females keen on farming activity. Formerly, KWT. Woruti has tried to cultivate pumpkin (*Cucurbita moschata*) on a collective farm and successfully created pumpkin-based products such as flour, snacks, and cakes on purpose to commercialize. However, processing pumpkins produces waste from seeds that end up in landfills, leading to the greenhouse effect by methane emission from anaerobically decomposing. In a week, KWT. On average, Woruti can use up to 20kg/week of pumpkin and produce 4kg of pumpkin seeds.



RAIN WATER MANAGEMENT INTEGRATED WITH AUTOMATIC DRIP IRRIGATION TECH FOR WATER MANAGEMENT EFFICIENCY ON DRY LAND IN ANDANSAR VILLAGE



BY IAAS INDONESIA



Indonesia, Malang

STARTING & ENDING DATE

Starting Date: 2023/05/15

Ending Date: Ongoing

PROJECT CHALLENGES

- 1) Village land tends to be dry so irrigation is limited
- 2) The irrigation process in Pandansari Village still utilizes PDAM water and lacks rainwater management
- 3) The high price of water supply and the large area of village plantation land makes it difficult for residents

GENERAL INFORMATION

Pandansari Village is a place for the IAAS LC UB 2023 Village Concept Project. Pandansari Village grows citrus on 50 hectares of dry ground (without integrated irrigation systems) and depends on varying amounts of rain throughout the year. Municipal Waterworks facilitate irrigation for agriculture, although the cost of water per cubic meter is simply too high. Water usage for citrus products is high—about 80 liters per tree each week. The concept of integrating smart farming and building a demonstration drip irrigation system (drip system) was proposed at one of the locals farming properties. The two main goals of this approach in tackling the present agricultural problem are as follows: citrus plantation property, the concept of integrating smart farming and building a demonstration drip irrigation system (drip system) was proposed.



AGRO SCHOOLING



BY IAAS INDONESIA



Jatinangor, Sumedang

STARTING & ENDING DATE

Starting Date: 2023/05/15

Ending Date: 2023/09/09

PROJECT CHALLENGES

1. A place to build an "agriculture corner spot" because our project was carried out in a school, we were worried that we would not get a place to build an agriculture corner.
2. We should focus more on the permissions required because our project this year is different from previous years. We have to do a lot of new permits on campus and SDN Sukamantri
3. For now, we don't have a sponsor to help finance the project

GENERAL INFORMATION

Agroschooling is a project that provides education to students in elementary schools. The topics we educate about agriculture, but we always develop the topic every year, and this year our focus is on "Innovation of Agriculture and Environment Quality as the Influence of Future Generation" which is principled In innovation of smart gardens, 3R-based environments, and Zero Waste. And also our program combines theory and practice so the children will absorb all the material.



MALAWI



ORGANIC AGRICULTURE



BY IAAS MALAWI



Chiradzulu, Malawi

STARTING & ENDING DATE

Starting Date: 2022/11/15

Ending Date: 2023/10/20

PROJECT CHALLENGES

The main challenge is funding. As we don't have resources for logistics it has become so hard to accomplish the work and achieve our goal. Therefore, our progress is too slow and limited.

GENERAL INFORMATION

It assesses factors influencing women's adoption of organic farming among smallholder farmers, through the use of structured questionnaires and surveys to collect primary data. There are two strata of farmers: organic producers and conventional producers. To achieve the project's goals, farmers' groups should be formed, and members be encouraged to participate. Agricultural extension services should provide training and technical expertise on organic farming practices, and seminars and workshops should be organized to educate smallholder farmers about the importance of organic farming systems and the processes involved in preparing manure. Ultimately, this project will contribute to food security and environmental sustainability by promoting Organic Agriculture.



MOROCCO



BIOPLANT CARE



BY IAAS MOROCCO



Meknes

STARTING & ENDING DATE

Starting Date: 2023/03/19

Ending Date: 2024/09/30

PROJECT CHALLENGES

Economic viability: Assessing the economic feasibility of the project is vital. The cost of producing and using biopesticides derived from nettle and spurge should be competitive with conventional chemical fertilizers to incentivize farmers to adopt this alternative approach.

Market demand and competitiveness: The project faces challenges in creating a market demand for biopesticides and competing with established chemical fertilizer products.

GENERAL INFORMATION

The BioPlantCare project aims to reduce the use of chemical fertilizers by applying biopesticides on plants instead.

The products are made of two plants: the first one is "nettle", the second is "spurge". These two plants have too many advantages, but they are unused. They can help bioagriculture because they contain specific substances and molecules that are pest-repulsive and rich in plant nutrients. The leaves of these plants are immersed simply in water and left for some days to get fermented so that the active substance is more efficient. This project will take care of plants in the first place, the environment and all beings later. Beyond all these advantages, the solution is very simple to use and doesn't require too many conditions.



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NEPAL



TAPARI FOR CHANGEMAKERS



BY IAAS NEPAL



Bhairahaawa, Nepal

STARTING & ENDING DATE

Starting Date: 2023/05/25

Ending Date: 2023/12/29

PROJECT CHALLENGES

Tapari costs more than plastic, so convincing people of its use is a bit challenging.

- Language barrier

GENERAL INFORMATION

Tapari for changemakers focuses on minimising or limiting plastic usage and involving the use of 'tapari' in the replacement of plastic. The project comes under two ongoing global projects: Village Concept Project (VCP) and Women in Agriculture. As a village development project, we seek to expand and upgrading women's skills and labour. For a village with saal dominated trees like. We selected this project site. Here, more then 50% of women are busy doing household chores and are deprived of a strict income basis. Their leisure time can be utilized in making the Shorea Robusta leaf plates. Almost all of the parties, picnics and social fairs should be promoted to be plastic-free. In collaboration with local government, we will be raising awareness about the issue and promoting our product.



PROJECT HELICICULTURE: A HOPE TO BE FLOURISHED

PROJECT GHONGI



Women in Agriculture



laasnepal.afu2018@gmail.com

IAAS NEPAL



Bharatpur, Chitwan

STARTING & ENDING DATE

Starting Date: 2023/05/

Ending Date: Ongoing

PROJECT CHALLENGES

Snail farming is easy to run, and requires less capital investment, less labour and less land. Snail doesn't require too much attention like other agricultural practices or livestock, thereby making it easy to run part-time. However, the commercial cultivation of Ghongi (water snail) is not very common. Also, the consumption of the Water snail is not very common due to the existing social taboo. Moreover, the fund-related issues could be challenging in implementing the project.

GENERAL INFORMATION

Our project titled "HELICICULTURE: A HOPE TO BE FLOURISHED" focuses on the snail farming business, mainly for human consumption. It is a very lubricative business to put forward into a commercial snail farming system when properly managed and maintained. Ghonghi (mud-water snails found in paddy fields and streams) is a much-loved delicacy. These snails are cleaned, boiled, and then cooked using various spices, especially flaxseed. Snail farming is easy to run and requires less capital investment, less labour, and less land. Snail doesn't require too much attention like other agricultural practices or livestock. Snail farming doesn't constitute a nuisance to the environment, which is usually the case for other livestock farming in terms of noise and animal waste. Toad can also bring sustainable development in the community.



UPLIFT MAHAWARI AND KAFALGHARI



BY IAAS NEPAL



Rupendehi, Nepal

STARTING & ENDING DATE

Starting Date: 2021/03/17

Ending Date:

PROJECT CHALLENGES

The main issue we are currently having is funds. A lack of funding is preventing the local committee from carrying out projects like a training program for making sanitary pads and a project to provide safe drinking water.

GENERAL INFORMATION

We are participating in two VCPs: Upliftment Mahuwari and VCP Kafalghari. The Mahuwari Village Project, is located in Marchwari Rural Municipality 5, 30 kilometers from the IAAS Paklihawa. With an average landholding size of 0.3 hectares, agriculture accounts for the bulk of the villagers' jobs. Tharu, Yadav, Kurmi, and a few more ethnic groups make up the major ethnic groupings. In the hamlet of Kafalghari in Nepal's Kaski district, where agriculture is also the primary industry, is where VCP Kafalghari is located. Some of the activities done by Mahuwari Upliftment: A soil test Mobile veterinary clinic instruction in air layering and grafting Public sanitation a menstrual hygiene program chart and in VCP Kafalghari: Distribution of trash cans.



Earthworms before their work.



IAAS Nepal for the project "Trichovermi."

TRICHOVERMI



Earthworms before their work.



IAAS Nepal for the project "Trichovermi."

BY IAAS NEPAL



Dharan

STARTING & ENDING DATE

Starting Date: 2023/10/23

Ending Date: 2025/11/05

PROJECT CHALLENGES

Site selection: Proper site selection is crucial for vermicomposting, as the ideal environment for worm range between 15-25 degrees Celsius.

Large-scale production challenges: Scaling up Vermicompost production may require additional resources such as bedding materials, worms, and dedicated storage areas.

Management of organic materials: Mass production of Vermicompost requires a significant amount of organic matter.

GENERAL INFORMATION

Trichovermi can be simply termed as a powerful blend of Trichoderma and vermicompost that knots the synergistic benefits of both components. Trichovermi is a unique organic compost made to enhance soil health as well as crop yield. Trichoderma, a beneficial fungus, is well-known for its biocontrol properties against various plant pathogens. It establishes a protective barrier around the plant roots (Dhusi in Nepali), preventing the colonization of harmful fungi and enhancing plant resilience against diseases.

When it is combined with Vermicompost, Trichovermi, as a result, becomes a potent formula for agricultural practices such as kitchen gardening for indoor plants and can even be used on a large scale for value-making crops. Trichoderma is mixed on vermicompost after vermicast is obtained after filtering through sieve.



NIGERIA



CHANGE OF PERCEPTION



BY IAAS NIGERIA



Osun state, Nigeria

STARTING DATE

Starting Date: 2018/03/01

Ending Date: ongoing

PROJECT CHALLENGES

Going to new locations for agroschooling

GENERAL INFORMATION

Change of Perception (COP) is a project that seeks to create awareness about Agriculture, it educates and provides and opportunity for people to learn about agriculture and help change the views of those who do not appreciate Agriculture. Different activities are carried out in the project: social media campaign on different agricultural issues, webinar, visitation to secondary schools to interact with students who are on their way to the university to help them learn more about agriculture and why they should get involved.



INSTANT SMOOTHIE POWER



BY IAAS NIGERIA



Osun state, Nigeria

STARTING & ENDING DATE

Starting Date: 2023/05/15

Ending Date: 2023/06/30

PROJECT CHALLENGES

None currently .

GENERAL INFORMATION

Change of Perception (COP) is a project that seeks to create awareness about agriculture. It educates and provides an opportunity for people to learn about agriculture and help change the views of those who do not appreciate agriculture. Different activities are carried out in the project, social media campaign on different agricultural issues, webinar, visitation to secondary schools to interact with students on their way to the university to help them learn more about agriculture and why they should get involved.



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PERU



HAPPY MANKA



BY IAAS PERU



PARAÍSO ALTO - VMT

STARTING & ENDING DATE

Starting Date: 2023/01/29

Ending Date: Ongoing

PROJECT CHALLENGES

None currently.

GENERAL INFORMATION

Happy Manka is a project of IAAS Peru in cooperation with the association "Los Tres Miradores" in Villa Maria del Triunfo, Peru. This project is currently underway in order to contribute to the quality of life of vulnerable families led by women. We have managed to generate a theoretical-practical approach to a resilient food model in conjunction with the association, where, for the most part, women work for food security. We are managing to contribute new knowledge about the establishment of a bio-garden and its importance, in addition to providing accompaniment, demonstrating our social responsibility.



SOUTH KOREA



NO FOOD WASTE CHALLENGE



BY IAAS SOUTH KOREA



Daejeon, South Korea

STARTING & ENDING DATE

Starting Date: 2022/10/16

Ending Date: 2022/10/30

PROJECT CHALLENGES

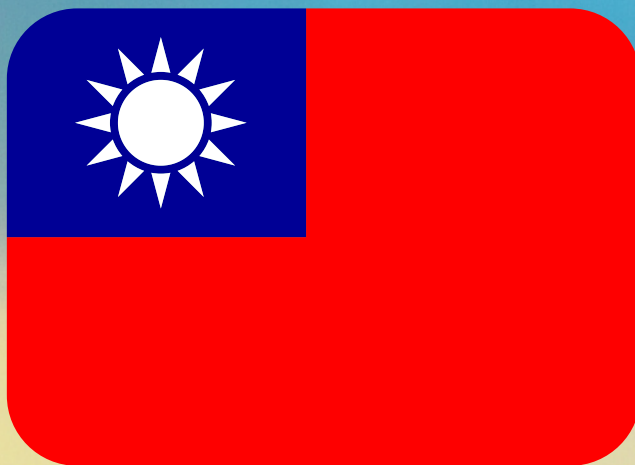
We have two problems. There was no fund, so we collected money from executives and handed out prizes. Also, it's hard for us to promote it to many people.

GENERAL INFORMATION

1. Identify the ingredients in the refrigerator
2. Find a dish that can be made with the ingredients you have
3. Cook as much as you eat
4. Dispose of food waste from cooking
5. Upload photos and thoughts of the activities on SNS



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TAIWAN



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MISSHAPEN AND OVERSUPPLIED GUAVA POPSICK



BY IAAS TAIWAN



Kauhsiung

STARTING & ENDING DATE

Starting Date: 2022/08/15

Ending Date: 2023/06/30

PROJECT CHALLENGES

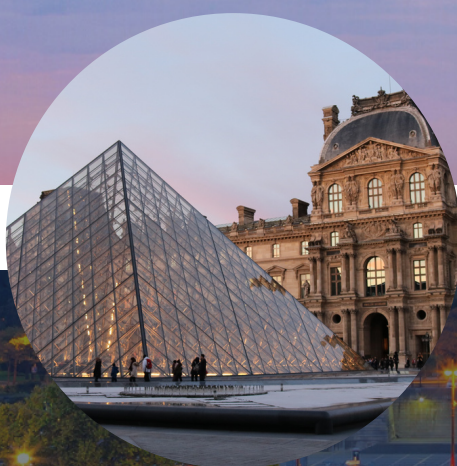
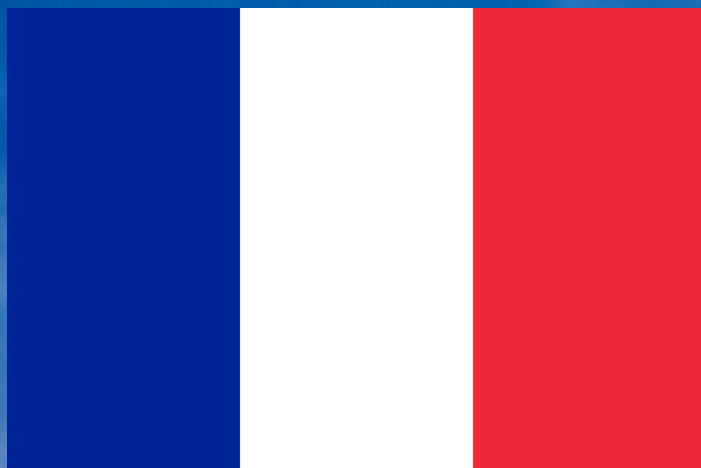
Sometimes we can't have enough guava to make popsicles, but this might be good news for farmers because they don't have to worry about the guavas.

GENERAL INFORMATION

Taiwan is abundant in high-quality guava; however, the crop is oversupplied every year. Oversupplied fruit might lead to ugly appearance because of its long shelf life, which makes Taiwanese consumers not want to buy it. This causes food waste in the guava supply chain. As far as we're concerned, by implementing changing guava into popsicles this project, we will be able to pour new life into those underutilized guavas. Farmers make money by selling guava popsicles and reducing the waste of oversupplied crops. By doing so, it thus increases job opportunities for female workers and promote local tourism.



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FRANCE



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TOGO



KOVIÉ IN DEVELOPMENT



BY IAAS FRANCE & TOGO



Kovié, Togo

STARTING & ENDING DATE

Starting Date: 2021/01/01

Ending Date: 2023/12/31

PROJECT CHALLENGES

Funding problem, and technical problem due to lack of training of pilot team members. Also, the transfer of service within the IAAS offices, negatively impacted the progress of the project

GENERAL INFORMATION

Kovié in development is a project initiated by IAAS Togo in collaboration with IAAS France. This project aims to provide both technical and financial support to the inhabitants of kovié, an agricultural locality known for the quality of its rice, commonly called "rice of kovié". To overcome the problems encountered by producers in their activities and make them more autonomous, a concept has been set up called "AVEC" (Village Savings and Credit Association). A method that allows villagers to work more cooperatively, and self-finance their production each agricultural season. A



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TOGO



SOIL REHABILITATION AND PROTECTION (REPRO-SOL)



BY IAAS TOGO



Kpalime ,Togo

STARTING DATE

Starting Date:2022/12/15

Ending Date: 2023/10/31

PROJECT PROBLEMS

Lack of funding, logistical problem,
and lack of partner for the project.

GENERAL INFORMATION

This project aims to train students with a passion for agriculture to reduce soil degradation through soil restoration and protection techniques and to reduce impoverishment by enriching the soil with appropriate crops and plants. All this is part of sustainable agricultural practices, which condition the production of healthy food that preserves human health.



ALEF



BY IAAS TOGO



Lome, Togo

STARTING DATE

Starting Date: 2015/09/02

Ending Date:

PROJECT PROBLEMS

Lack of funding.

GENERAL INFORMATION

ALEF is a Women's Entrepreneurial Leadership Workshop that is organized every year with the aim of promoting young women's leadership and entrepreneurship. This year, we have focused on three main objectives, the first of which is to promote female leadership and awaken the entrepreneurial spirit in the agricultural sector among young students and job seekers, and then to raise the awareness of young people.



FISE INTERSCHOOL FESTIVAL FOR THE ENVIRONMENT



BY IAAS TOGO



Lome, Togo

STARTING & ENDING DATE

Starting Date: 2023/09/25

Ending Date: 2023/10/19

PROJECT PROBLEMS

Lack of funding.

GENERAL INFORMATION

The FISE project is a project that aims to inculcate environmental values, and encourage more than 5000 young people to adopt acts of environmental protection on a daily basis. It will take place in several areas, namely: Raising awareness of eco-citizenship in schools through poetry, drawing, film and theatre competitions. Strengthen the capacities of young people through workshops and conferences for their involvement in environmental policy in Togo. Installation of waste sorting bins in schools. This is a project which is in its second edition and which contributes to the achievement of the 11th and 12th SDGs



TÜRKIYE



Tarım Bilimleri ve Teknolojileri
Öğrenci Topluluğu



WomenTalks



Deniz Yoldaç
Kurucu Şef

Tarımda Kadın
Hareketi:
Bitki Bazlı
Gıda Üretimi

Canlı Yayın 12 Kasım 20.00

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Öğrenci Topluluğu



WomenTalks Vol.1



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WOMEN IN AGRICULTURE

BY IAAS TURKIYE



Kocaeli, Türkiye

STARTING & ENDING DATE

Starting Date: 2022/05/01

Ending Date: 2023/08/30

PROJECT PROBLEMS

Giving responsibilities to team members.

GENERAL INFORMATION

The "Empowering Women in Agriculture" project aims to raise awareness about the significant contributions of women in the agricultural sector while advocating for gender equality and women's empowerment in rural communities. By highlighting the pivotal role that women play in agriculture, the project seeks to inspire positive changes in societal perceptions, policies, and practices, leading to more inclusive and productive agricultural systems.

GLOBAL PROJECT REPORT - 2023

Editor's Note

Greetings FamilIAAS,

First and foremost, let us extend a warm welcome to the Global Project Report - 2022 Booklet. We take great pride in offering Project Report development to our neighborhood.

I want to express my thanks for having this project to the donors and my fellow team members. This is my first time creating a booklet for an IAASer, so more will be coming in the following days. I have made an effort to keep this booklet clear and straightforward so that our this report may connect with as many stakeholders as possible who will unquestionably support our Global Project.



Upendra Bhusal

Editor