



IAAS GLOBAL PROJECT REPORT - II

2025

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Introduction



Agriculture remains a cornerstone of global sustenance and economic stability, with its importance underscored by the increasing challenges of food security and sustainable development. The International Association of Students in Agricultural and Related Sciences (IAAS) is dedicated to addressing these critical issues by fostering collaboration, innovation, and education within the agricultural sector. Guided by our vision and mission, we have engaged in a variety of meaningful activities designed to unite people and address the pressing challenges facing agriculture and its allied fields. This report highlights the successful continuation of our IAAS Global Project, an initiative aimed at promoting sustainable development in agriculture and related sciences. The accomplishments detailed herein were made possible through the unwavering support and collaboration of numerous individuals and organizations. As we reflect on our collective achievements, we extend our deepest gratitude to everyone involved, and we look forward to continuing our efforts to make a lasting impact in the world of agriculture.

Forewords by the IAAS President



In a world where agriculture continues to shape the health of our societies, the strength of our economies, and the future of our planet, the role of young people in driving innovation and collaboration has never been more vital. At IAAS, we are proud to stand at the intersection of knowledge, culture, and action, empowering students to take bold steps in addressing the urgent challenges facing food systems worldwide.

The second edition of the IAAS Global Project Booklet is a reflection of that spirit. It captures the creativity and determination of our members who, through their projects, have translated ideas into impact, bridging communities, building resilience, and advancing sustainable development in agriculture and related sciences.

This publication is more than a record of achievements; it is a testimony to the power of collective action. Every initiative featured here has been made possible by the unwavering commitment of IAASers across the globe, as well as the trust and support of our valued partners and sponsors. To each of you, I extend heartfelt thanks.

As we look ahead, may this booklet inspire not only pride in what we have achieved, but also a renewed sense of purpose. Together, let us continue to learn, innovate, and collaborate, ensuring that agriculture remains a force for sustainability, equity, and hope for generations to come.

Go IAAS Go Further!

Alperen Öztürk

IAAS World President 2024-25

Editor's Notes



It has been a privilege to contribute to the IAAS Global Project and Event Report as its editor. This report reflects not only the diverse initiatives and achievements of our global network, but also the passion and dedication of IAAS members who are continuously striving to create a more sustainable and food-secure world.

In reviewing and refining this report, my aim was to ensure that each project and event is presented with clarity, accuracy, and coherence, while preserving the authentic voice of the contributors. The stories shared here are a testament to the collaborative spirit of IAAS—showcasing innovation, cultural exchange, and youth-driven action in agriculture and beyond.

I extend my gratitude to all the authors, project leaders, and event organizers whose work has made this report possible. May this document not only serve as a record of what we have achieved together but also as an inspiration for what lies ahead.

Go Further, Go IAAS!!!

Md. Safiuz Zaman

On Behalf of Graphics Design Team,
IAAS World 2025-25
Bangladesh

FOREWORDS BY THE Village Concept Coordinator



Youth hold the power to shape a better tomorrow, and through IAAS we embrace their creativity, passion, and determination. Around the world, young people are designing solutions to the most urgent challenges-environmental pollution, climate change, and gender inequality-and it is our responsibility to amplify their voices and transform their ideas into reality.

The Village Concept Project is more than just an initiative; it is a platform where innovative minds meet practical action. By fostering collaboration and inclusivity, we create opportunities for every member to contribute meaningfully. This document reflects our shared journey, serving as both an inspiration and a roadmap for stakeholders who want to join hands in building sustainable communities.

From villages to cities, from one corner of the world to another, youth innovations are ready to make an impact-and together, we will show the world the difference IAAS can make.

Go Further ! Go IAAS !

Jannatul Ferdawsi Miti

On Behalf of Village Concept Project Team

IAAS World 2025-25

Bangladesh

Forewords by the Women in Agriculture Coordinator



At IAAS, we know that agriculture is not only about producing food, but about building futures. And in those futures, women must be at the center. As Women in Agriculture Coordinator, I carry with me the voices of so many women who dream, who fight, and who keep moving forward to make this world a more just and sustainable place.

This Global Project Booklet reminds us that the Sustainable Development Goals are not distant ideals, but urgent calls. When we support women in agriculture, we advance gender equality, ensure food security, and strengthen resilience to climate change. Each project here is proof that change begins when women are given the opportunity to lead, to innovate, and to inspire.

I believe in the transformative power of women. When a woman rises, her entire community rises with her. When a woman dares to lead, she opens paths for many others to follow. This is not only about agriculture, it is about dignity, justice, and humanity.

To all the women of IAAS: may these pages stand as a testimony of your courage and as a reminder that while our hands sow seeds, our voices sow hope. Let us continue cultivating futures where the SDGs are not just promises, but lived realities.

From women to women, let us never forget: our voice deserves to be heard and it can change the world.

María José Pacheco Bocanegra

On behalf of IAAS Women in Agriculture

IAAS World 2024-25

Guatemala

FOREWORDS BY THE No Food Waste Coordinators



Food waste has always felt personal to me. As a Food Science and Technology student, I understand the long journey food takes from the hands of farmers to our plates. Every bite represents days or even months of hard work, and seeing it wasted has made me more aware of my own habits and those around me.

As No Food Waste Project Coordinator, I worked with my team to share our mission through posts, meal planning videos, and conversations that inspire responsible food habits. This role has made me more aware, more confident, and deeply grateful to be surrounded by positive and inspiring people.

I hope this initiative stays in people's hearts, reminding us to value every bite and treat food with the respect it deserves. The Earth has given us these resources, and it is our responsibility to honor them, not waste them.

Go Further! Go IAAS!

Fadiilah Nur Rohmah

On Behalf of IAAS No Food Waste Team

IAAS World 2025-25

Indonesia

Forewords by the One Health Coordinator



The One Health concept represents a transformative approach to addressing the intricate interconnections between human, animal, and environmental health. In an era marked by emerging infectious diseases, climate change, antimicrobial resistance, and food security challenges, the importance of a unified framework has never been greater. By fostering collaboration across disciplines and sectors, One Health lays the foundation for sustainable solutions that safeguard both present and future generations.

In this shared endeavor, we have been privileged to collaborate with dynamic student organizations such as the International Pharmaceutical Students' Federation (IPSF), the International Veterinary Students' Association (IVSA), and the International Federation of Medical Students' Associations (IFMSA), among others. Their contributions embody the spirit of global cooperation and highlight the essential role of young professionals in shaping a healthier, more resilient world.

Most. Nuzhat Tabachhum Neha
On Behalf of IAAS One Health Team
IAAS World 2024-25
Bangladesh

Forewords by the IAAS Delta Project Coordinator



We are thrilled to present this project booklet as part of the IAAS World Organisation's efforts to promote agricultural and environmental sustainability and student engagement. The IAAS Delta project team is very dedicated and committed to fostering innovation, collaboration, and development in agriculture and other related sciences through impactful projects and partnerships.

This booklet highlights our journey, achievements, and the collective efforts of IAAS members in driving positive change in agricultural practices and communities. We hope this compilation inspires continued dedication to agricultural and environmental advancement and strengthens ties among IAAS members worldwide.

On behalf of the IAAS Delta project team, we extend our gratitude to all contributors and look forward to future collaborations.

Akintayo Adebisi, AKINTUNDE

On behalf of IAAS Delta Project Team
IAAS World 2024-25
Nigeria

IAAS Global Projects



The IAAS Global Project is an initiative by IAAS designed to unite individuals and organizations globally to foster sustainable development in agriculture and its allied fields. Currently, we have Five Global projects namely Women in Agriculture, No Food Waste, Village Concept Project, One Health, and IAAS Delta Project. These projects leverage international collaboration, integrating diverse expertise and resources to address pressing agricultural challenges and promote innovative solutions. Through structured activities and coordinated efforts among various stakeholders, including educational institutions, non-governmental organizations, and industry partners, the project aims to create impactful change at local, regional, and international levels.

The IAAS Global Project not only exemplifies the organization's commitment to improving agricultural practices but also enhances global connectivity, knowledge exchange, and cultural understanding among participants, driving meaningful progress toward a sustainable agricultural future.

Pillars of IAAS 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

History of Village Concept Project (VCP)



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.

History of Women in Agriculture Project (WIA)



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.

History of One Health Projects



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.

History of No Food Waste Project (NFW)



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.

History of IAAS Delta Project (IDP)



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's commitment to the UN Water Action Agenda.

Global Project Competition 2025



The IAAS Executive Board and Control Board are excited to announce the launch of the IAAS Global Projects Competition (GPC) 2025. This annual event invites all Local and National Committees to submit their innovative project ideas for curbing today's problems in agriculture, food systems and climate change.

We are searching for projects that make a positive impact on our world and communities. Participants in this competition gain valuable skills that benefit them as farmers, researchers, and project managers. By developing and executing innovative solutions, these projects contribute to creating a better world through local actions, perfectly embodying our motto: **#ThinkGloballyActLocally**.

The competition aims to highlight the best ideas from across the globe, offering extensive support for their development. This support may include financial backing, networking opportunities, capacity-building initiatives, start-up pitching assistance, and guidance throughout the project's journey. We are incredibly grateful to Bayer and EIT Food for their continued support of IAAS World, including in this year's competition. Their partnership helps make these impactful projects possible.

We invite you to join us in celebrating the winners of the IAAS Global Projects Competition 2025 and the contributions they will make to our communities and planet.

WIAxVCP Project Competition 2025

The IAAS Women in Agriculture Team, in collaboration with the Village Concept Project (VCP) Coordinators and the Executive & Control Board, has proudly launched the Women in VCP Competition—a global call to action to strengthen women's roles in agriculture and build more equitable food systems.

Across the world, women form the backbone of rural economies and agricultural communities. They make up nearly half of the agricultural workforce globally, yet face persistent barriers: limited access to land, credit, and agricultural inputs; unequal opportunities for education and training; underrepresentation in decision-making processes; and systemic cultural and structural inequalities that limit their potential. These challenges not only affect women themselves, but also weaken the resilience and productivity of food systems worldwide.

Recognizing these realities, IAAS has taken a step forward to contribute to closing this gap. Through the Women in VCP Competition, IAAS Members were invited to submit innovative, community-based project ideas that directly enhance the position of women in rural areas. Whether by adding value to agricultural products, introducing alternative and climate-resilient crops, creating new income-generating opportunities, or designing locally adapted solutions to uplift women's livelihoods, the competition sought to inspire bold and creative approaches led by students.

This initiative reflects our shared commitment to empower women farmers, entrepreneurs, and community leaders as pioneers of change in agriculture. By supporting projects that tackle inequality, we aim not only to uplift women but also to foster stronger, more inclusive, and sustainable rural communities—because no food system can be resilient if half of its workforce is left behind.



International Association
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and Related Sciences

KNOW THE WINNERS

GPC 2025



Poreal: Processing Sweet Potatoes into Healthy Biscuits as an Anti-Stunting Additional Food

Prize : 1st Prize
Country : Indonesia
Committee : IAAS Indonesia LC UNS

General Information

Poreal biscuits have the opportunity to be used as additional food for pregnant women and children to prevent stunting. Based on data from the Ministry of Health, the stunting rate in Indonesia in 2023 will be 21.5%. This percentage is still quite large when compared with neighboring countries such as Malaysia, Singapore, Thailand and Vietnam. These biscuits were developed as an additional food rich in nutrients that can help prevent stunting. Poreal biscuits can add value to agricultural products themselves which will bring economic benefits to farmers. Apart from adding value, Poreal biscuits can also empower farmers in Pojok Village. This can be done in the production process to product marketing.



Objectives

- To educate and increase public awareness regarding stunting.
- To Increase the selling value of sweet potatoes into processed biscuit products.
- To improve the economy of the Pojok Village community.

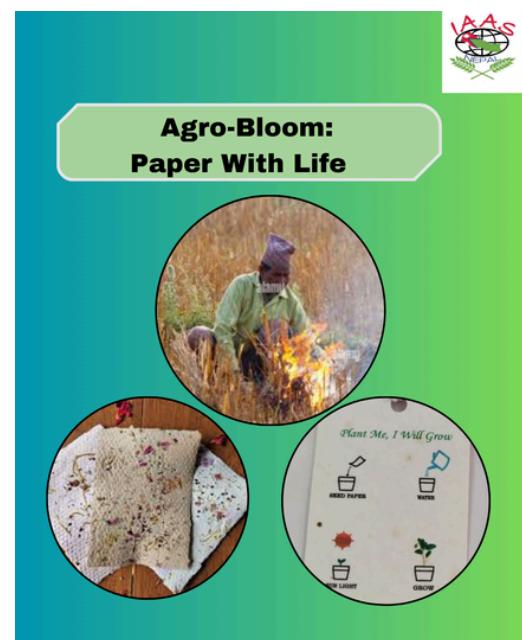


AGRO-BLOOM: PAPER WITH LIFE

Prize : 2nd Prize
Country : Nepal
Committee : IAAS Nepal FOA Tikapur

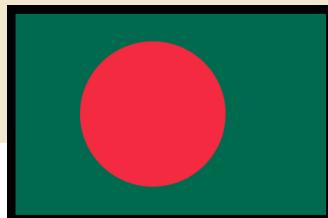
General Information

The seed production project implies sustainability, innovation, and environmental stewardship which aligns IAAS world's objective to empower young agriculturalists to lead and build the future. By converting agricultural residues into biodegradable, plantable seed paper, this project addresses multiple global challenges, including agriculture waste management and suggesting eco-friendly alternatives to Single use plastics. This project is farmer focused providing additional income by utilization of agri-waste, a readily available resource in village areas. Farmers can supply the residues and use seed paper to promote sustainable nursery practices. This concept supports principles of reduce, reuse, and recycle by reusing waste, minimizing pollution, and creating a product that nourishes the environment. This model also provides a replicable model for student led agricultural innovation, ensuring long-term environmental and socio-economic impact.



Objectives

- The main purpose of this project is to produce seed paper from the agricultural residues, thus providing a better financial outcome for the farmers with their grown crop. Its objective is to support local businesses, farmers and artisans and help them generate income improving their livelihood.
- By converting the agricultural residues into biodegradable paper embedded with native seeds, this project seeks to reduce agricultural wastes, promote recycling and greener living practices. The motive of our project is to produce an eco-friendly seed paper that decomposes readily and helps in gardening and sustainable nursery practices supporting pollinators.
- The agricultural residues that would otherwise contribute to environmental pollution are repurposed to produce high value-products. The project aims to demonstrate the potential of the agricultural residues and provide farmers with practical skills in waste management. Its purpose is also to turn farming communities to eco-friendly product hubs, reducing their dependency only on crop sales.

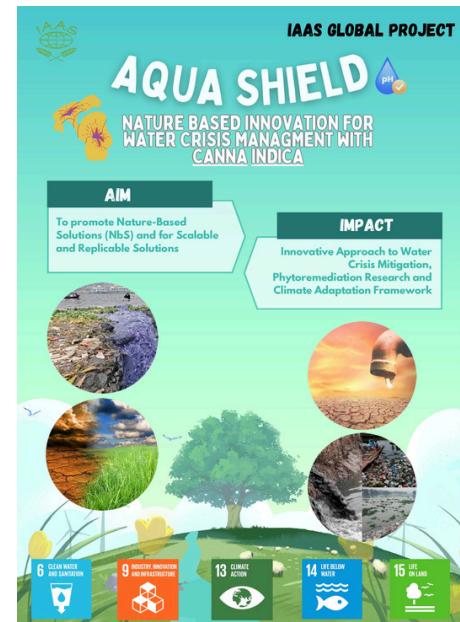


AquaSheild: Nature-based Innovations for Water Crisis Management with *Canna indica*

Prize : 3rd Prize
Country : Bangladesh
Committee : IAAS Bangladesh SAU-Dhaka

General Information

Drought prone delta regions always remain under threat of water scarcity and also industrial area waters are polluted with heavy metal, so in concern of that issue AquaSheild offers an innovative and sustainable solution to mitigate water crisis through the harnessing of *Canna indica*, a water efficient plant with immense potential. This nature based solution express *Canna indica*'s ability to purify waste water, combat soil erosion and enhance ground water recharge. By implementing constructed wetlands featuring this plant, AquaSheild not only provides an effective water saving and purification system but also enhances resilience drought induced water shortages. Its low cost approach makes it ideal for resource limited areas. The adaptability of this project make it a replicable model for addressing global water challenges.



Objectives

- To utilize *Canna indica* for sustainable water crisis solutions
- To Promote Nature-based Solutions
- For Scalable and Replicable Solutions



Eco-fungi: Cultivating Mushroom from Maize Cob Residues

Prize : Equal Merit Prize
Country : Nepal
Committee : IAAS Nepal LC Sindhuli

General Information

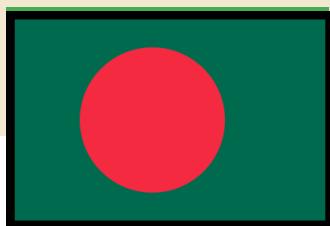
Eco Fungi transforms maize cob residues into a sustainable substrate for mushroom cultivation, addressing waste management, food security, and rural income generation. By repurposing discarded maize cobs, it promotes a circular economy while reducing environmental harm. Mushrooms, as nutrient-rich, high-value crops, enhance dietary diversity and provide a sustainable food source.

This low-cost, land-efficient model benefits smallholder farmers, fostering rural entrepreneurship and empowering marginalized communities, particularly women and youth. Scalable and replicable, Eco Fungi aligns with IAAS World's mission to drive agricultural innovation, sustainability, and community development globally.



Objectives

- **Waste Utilization:** To effectively utilize maize cob residues, which are often discarded, by transforming them into a valuable substrate for mushroom cultivation.
- **Sustainable Farming:** To promote sustainable agricultural practices by reducing waste and providing an eco-friendly alternative to synthetic substrates commonly used in mushroom farming.
- **Economic and nutritional value:** To create new economic opportunities for farmers by introducing an additional revenue stream through the cultivation of mushrooms, which is valued high as a nutritional food .



PROJECT NOYAGRAM: Empowering Women of the Southern Delta through Sustainable Agriculture and Climate Resilience for Food Security

Prize : Equal Merit Prize
Country : Bangladesh
Committee : IAAS Bangladesh PSTU

General Information

Project Noyagram focuses on empowering women in Bangladesh's southern delta through sustainable agricultural practices, addressing socio-cultural barriers that limit their participation in agriculture. While demonstration and training programs are common in rural development, this project takes a unique approach by considering the delta's distinct agro-climatic conditions. This pilot project aims to create a model community for sustainable coastal development. Ultimately, Project Noyagram seeks to transform both the lives of women in the coastal delta and the future capabilities of students striving for large-scale agricultural improvements.



Objectives

- To equip women in Bangladesh's southern delta with knowledge and skills in sustainable agriculture.
- To introduce and promote agricultural techniques that adapt to climate challenges.
- To provide hands-on training and demonstrations to enhance practical knowledge.

Co-Castle : Utilizing Corn Cob Flour and Mocaf in Cookie Production to Minimize Food Waste and Reduce Caloric Intake

Prize : Equal Merit Prize

Country : Indonesia

Committee : IAAS Indonesia LC UGM

General Information

This project focuses on product innovation by utilizing local resources, specifically mocaf (Modified Cassava Flour) and corn cobs, to create gluten-free, fiber-rich cookies. By incorporating corn cobs, which are typically discarded, the project adds value to agricultural byproducts. Additionally, the initiative aims to support the local community in Bantul by providing economic opportunities for cassava and corn farmers. By creating a stable market for their produce and finding new uses for agricultural waste, the project contributes to increased income and resource optimization. Sustainability is a key aspect of this project, as it promotes waste reduction and supports the ecosystem.



Objectives

- Diversification of Women's income sources in Bojong Village through business group empowerment programs.
- Utilization of corn cob by-product in order to achieve less waste.
- A simple food solution that can fulfil energy needs.

The Ecorrior: Enhancing Agricultural Value through Organic Waste-to-Fertiliser with Natural Pest-Repell Extracted from Leaves of Papaya and Mimosa Pudica at VCP Cinangka

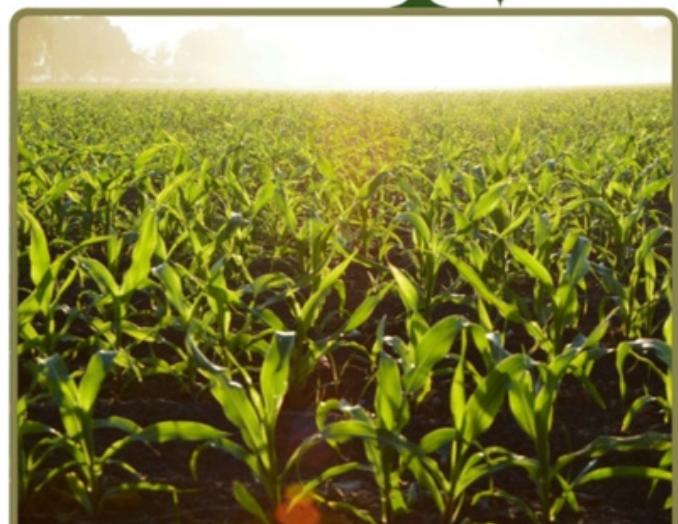
Prize : Equal Merit Prize

Country : Indonesia

Committee : IAAS Indonesia LC IPB

General Information

The Ecorrior project focuses on transforming household organic waste into a nutrient-rich liquid organic fertilizer that enhances soil and plant fertility. By utilizing easily available raw materials, this project ensures low production costs while creating a product with high economic value. The target market includes farmers, local communities, and environmental enthusiasts. Ecorrior aims to positively impact local societies, promote sustainable agriculture and food production, facilitate knowledge exchange, and encourage collaboration among agricultural science students. Additionally, the fertilizer is enriched with papaya leaf extract and mimosa pudica weed, which act as natural pest repellents.



Objectives

- To increase the agricultural productivity of VCP Cinangka.
- To reduce household and agricultural organic waste
- To empower Karang Taruna/PKK/PKWT Cinangka Village in the production of Liquid Organic Fertilizer to create an environmentally friendly village.



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WIAxVCP 2025



Women
in Agriculture



Village
Concept
Project

Turmilulur – A Herbal 'Lulur' Innovation with Black Turmeric Power

Prize : 2nd prize
Country : Indonesia
Committee : IAAS INDONESIA LC UNS

General Information

Based on data from the Ministry of Health and dermatological surveys, around 20–30% of the Indonesian population experiences skin problems, ranging from acne, irritation, hyperpigmentation, to skin inflammation caused by exposure to pollution and intense tropical sunlight. On the other hand, black turmeric (*Curcuma caesia*) is one of the leading commodities of VCP IAAS LC UNS, cultivated in Pojok Village, Mojogedang, Karanganyar, and has the potential to be a natural solution to these problems. This plant is known to contain curcuminoids three times higher than regular turmeric, with curcumin serving as a strong anti-inflammatory and antioxidant that can effectively prevent and treat various skin issues. A body scrub is considered the best final form to process black turmeric into a beauty product that helps combat mild skin problems. A scrub with a soft texture and fine granules is the ideal choice for gentle exfoliation. Due to the high potential of black turmeric, we have innovated a black turmeric scrub product called Turmilulur. Turmilulur is combined with additional ingredients such as rice flour as an exfoliator, lemon as a source of vitamin C, honey for moisturizing, and essential oils for a relaxing aroma. Turmilulur not only increases the economic value of black turmeric but also creates new job opportunities for the Women Farmers Group (KWT) in Pojok Village. The production process of Turmilulur by KWT adopts the penta helix model, which integrates collaboration among academics, businesses, communities, the government, and media in its implementation.



Objectives

Turmilulur offers a beauty solution based on local wisdom in collaboration with the women farmers group "Pesona Dalem Tani" in Pojok Village, Mojogedang, Karanganyar. The women's group will produce and develop Turmilulur so that the product becomes marketable. We collaborate by empowering the group through education, hands-on practice, production supervision, marketing, partnership building, and profit-sharing agreements after sales. The ultimate goal is also to promote black turmeric as a flagship commodity in the village.

From the consumer demand perspective, the trend for natural-based beauty products that support environmental sustainability is currently on the rise. Many women feel insecure about their skin—uneven tone, dullness, and persistent scars often reduce their confidence to go outside. Turmilulur appears to respond to this growing demand. Made from natural black turmeric, Turmilulur is rich in antioxidants that help reduce hyperpigmentation, brighten the skin naturally, and fight free radicals that cause premature aging. The natural fiber content in black turmeric acts as a gentle exfoliator to remove dirt. The tannins found in black turmeric help tighten pores, keeping the skin more hydrated. Turmilulur also helps accelerate the healing of itchy scars caused by "sweet blood" conditions (skin irritation related to high blood sugar), making scars fade more effectively.

Purenzyme: Eco Innovation and Women's Economic Empowerment

Prize : 3rd Prize
Country : Indonesia
Committee : IAAS Indonesia LC UGM

General Information

This project offers an innovative solution to two critical challenges: environmental waste mismanagement and gender inequality. Through the introduction of eco enzyme production in Dusun Bojong, we aim to transform organic waste into valuable resources, thereby significantly reducing pollution while empowering local women to lead sustainable practices. The project focuses on four key objectives. First, it targets waste reduction by converting organic waste into eco enzyme products, promoting a cleaner environment within rural communities like Bojong. Second, it empowers women by providing them with skills and training to independently produce and sell eco enzyme-based products, such as natural dish soaps, fostering leadership and entrepreneurship. Third, it drives economic growth by creating new income opportunities that enhance the economic resilience of the community. Lastly, it contributes to a positive environmental impact by replacing harmful chemical cleaners with eco enzyme alternatives, thereby reducing plastic use and chemical pollution. By investing in this project, sponsors can catalyze lasting positive change, empowering women, minimizing environmental waste, and building a self-sustaining, eco-conscious community that generates both long-term environmental and economic benefits.

Objectives

The Purenzyme project will be implemented through in-person field work, community workshops, and small-scale business development in Bojong Village. The project will begin by conducting interactive workshops where local women will learn how to produce eco enzymes from organic waste. Once they master the basic production of eco enzyme, the training will continue with the development of value-added derivative products such as eco enzyme-based dish soap and multipurpose cleaners. After the training phase, participants will be organized into production groups. They will be equipped with starter kits, ongoing technical support, and basic marketing skills to prepare their products for local sales. By starting with eco enzyme production and expanding into derivative products, Purenzyme aims to reduce organic waste, empower women economically, and promote sustainable, eco-friendly living in Bojong Village.





Alquimia Rural “Ñaño^{ty} pu’aka” (sebremos poder en guaraní)

Prize : EBCB Choice

Country : Paraguay

Committee : IAAS Paraguay

General Information

“Alquimia Rural “Ñaño^{ty} Pu’aka” proposes the community production of Bocashi organic fertilizer and pyroleñoso acid (wood vinegar) together with rural women from Yaguarón. The objective is clear: to generate sustainable economic opportunities without displacing their daily tasks, thus empowering their autonomy, care for the environment and local resilience.

The project was born out of an urgent reality: many rural women sustain family farming and the household, without access to their own income or training opportunities. Bocashi is a fertilizer that is easy to make from materials available at home, such as manure and bran, and pyroleanic acid is obtained by dry distillation of wood in rustic ovens, using pruning wood or vegetable waste. Both are valuable products in the agroecological transition, and their sale can become a real source of income.

The proposal will be developed through practical and experiential workshops, co-organized with IAAS Paraguay and students from the Faculty of Agricultural Sciences of the UNA. Together, they will reach the communities to train, produce and accompany.

Alquimia Rural “Ñaño^{ty} Pu’aka” not only seeks to produce fertilizers: it wants to sow autonomy, strengthen the network of local knowledge and revalue the role of the peasant woman as guardian of the soil, of life and of the future.”



Objectives

“The purpose of the Alquimia Verde “Ñaño^{ty} Pu’aka” project is to promote community production of accessible agroecological inputs, such as Bocashi compost and pyroleanic acid, through participatory processes with rural women in Yaguarón. The aim is to promote sustainable practices that improve soil fertility, reduce dependence on chemical inputs and generate complementary economic opportunities.

The initiative aims to strengthen the active role of rural women in the agroecological transition, facilitating the use of resources that are already available on their farms, without requiring a significant economic investment or a workload that interferes with their usual responsibilities within the household and the community.

The project aims to promote models of circular and community economy that can be replicated in other rural territories, promoting the use of appropriate and low-cost technologies for the production of inputs that benefit both agricultural production and the health of the local ecosystem.

In addition to its economic impact, the proposal seeks to revalue traditional knowledge, strengthen inter-institutional collaboration networks and make visible the contribution of women in the construction of solid and sustainable food systems.”



Nutri Cycle

Prize : EBCB Choice
Country : Nigeria
Committee : IAAS Nigeria

General Information

Nutri Cycle is a women-led value addition effort aimed on transforming Orange-Fleshed Sweet Potato (OFSP), a locally cultivated crop high in Vitamin A into creative, market-ready, and nutritious food items. This initiative will empower rural women farmers in Nigeria via skills development, economic inclusion and sustainable agriculture practices. Nutri Cycle will provide practical training in OFSP processing, food safety, packaging, branding and renewable energy drying methods to 50 women in a Akinyele community between June and December 2025. In order to reduce post-harvest losses, the project will use parabolic solar drying technologies to transform harvested OFSP into high-value products.

To improve these women's visibility and market access, we will also integrate digital marketing techniques, nutrition education and climate-smart practices. To maintain continuity, a rotating micro-scale processing facility will be set up, and 20% of earnings will go back into educating additional women.

Through the promotion of locally produced, biofortified foods, this effort enhances livelihoods and combats malnutrition, particularly among children and nursing mothers. Nutri Cycle supports inclusive economic growth, sustainable rural development and fair food systems by advancing women's status in agriculture via value addition and entrepreneurship.



Objectives

The purpose of this project is to train and empower rural women to process OFSP into shelf-stable, market-ready. These products provide income and serve as healthy alternatives for families in communities where vitamin A deficiency and food insecurity are prevalent.

We aim to achieve three major outcomes:

1. Empowered women entrepreneurs who can sustain and scale their agri-businesses.
2. Reduced post-harvest losses through clean energy drying and storage innovation.
3. Increased access to nutritious, locally produced food in underserved areas.

We want to do this because we have seen how knowledge and economic opportunities can transform the lives of women. With your support, we will strengthen community resilience, reduce hunger and inclusive development.



Preserve to Prosper: Women-led Kimchi Production from Seasonal Surplus Vegetables in Bangladesh

Prize : QB's Choice

Country : Bangladesh

Committee : IAAS Bangladesh PSTU

General Information

This project aims to reduce food waste and create new income streams by empowering rural women to produce kimchi using surplus seasonal vegetables like cabbage, radish, carrots, leafy greens, turnips etc. Bangladesh suffers from major post-harvest losses, particularly during seasonal gluts. Farmers often throw away vegetables due to oversupply, lack of storage and low prices.

Kimchi, a healthy fermented food, offers a simple, low-cost preservation method. It extends shelf life, boosts nutrition and can be made using locally grown produce. Our initiative will adapt kimchi recipes to Bangladeshi taste and seasonal vegetables, training women and youth in fermentation, food safety and business development. The goal is to set up 3 fermentation hubs in high-waste markets and train 100+ participants. The project will also promote kimchi in local restaurants and stores through branding and awareness efforts. It creates a circular economy that benefits farmers, women entrepreneurs and consumers.

By combining traditional practices with sustainable innovation, this project offers an inclusive solution to food waste, nutrition and women's empowerment.



Objectives

This project is designed to solve two urgent problems in rural Bangladesh: post-harvest vegetable waste and lack of value-added income options for women. By using accessible tools and community spaces, women can transform perishable vegetables into preserved, sellable products. Kimchi is nutritious, shelf-stable and increasingly marketable.

Your investment will help train local women, prevent food waste and turn a loss into livelihood — contributing to food security, economic inclusion and sustainability.



International Association
of Students in Agricultural
and Related Sciences

OTHER ONGOING PROJECTS

**IAAS Global
Projects 2025
Africa Region**



AgriMinds: cultivating young minds for a good secure future

Prize : 1st Prize Winner African Project Competition 24-25
Country : Nigeria
Committee : IAAS Nigeria University of Ibadan

General Information

1. Agricultural Education Sessions: Engaging workshops and talks delivered in schools to teach students about the basics of agriculture, climate-smart farming techniques, and the importance of food security.

2. School Garden Setup:

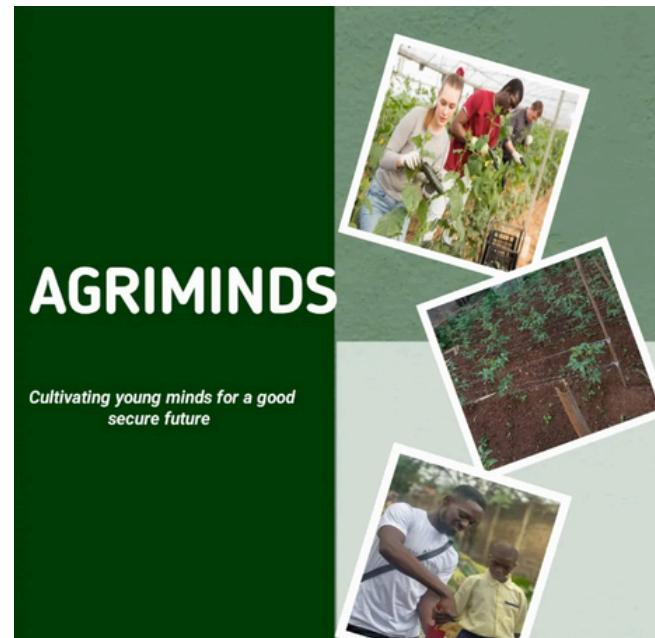
Development of on-campus gardens in participating schools using vertical method farming approach. These gardens will serve as both learning tools and food production sites, managed by students with guidance from teachers and agricultural mentors.

3. Vertical Farming Awareness and Training:

Students are introduced to vertical agriculture in a way to practice in their household using limited space within their homes (e.g., container gardens, polythene bags). This approach encourages households to grow their own crops, thereby improving nutrition and reducing food costs.

4. Sustainability and Mentorship:

Selected students are mentored to become peer educators, ensuring continuity and the spread of agricultural knowledge within their communities.



Objectives

- To introduce students to the fundamentals and opportunities in agriculture.
- To raise awareness about the importance of food security and the role young people can play in achieving it.
- To establish functional and sustainable school gardens where students can gain hands-on agricultural experience.
- To introduce and promote vertical agriculture as a space-efficient method of growing food in homes, especially in urban and peri-urban settings.
- To build a generation of environmentally-conscious, food-secure youth through mentorship and continued agricultural training.



KINSANTU UPGREEN

Prize : 2nd Prize Winner African Project Competition 24-25
Country : Democratic Republic of Congo
Committee : IAAS DRC

General Information

The Kisantu UpGreen project aims to raise awareness and engage youth in Kinshasa in plastic waste management through the creation of vertical vegetable gardens. Built using recycled plastic bottles, these gardens enable the cultivation of vegetables in limited urban spaces. Over a 3-month period, the project targets the collection of at least 5,000 plastic bottles, training of 100 youth, and installation of 10 pilot gardens, while promoting green entrepreneurship.



Objectives

The purpose of our project is to combat plastic pollution and promote environmental awareness by utilizing recycled plastics in the sustainable production of fresh vegetables.

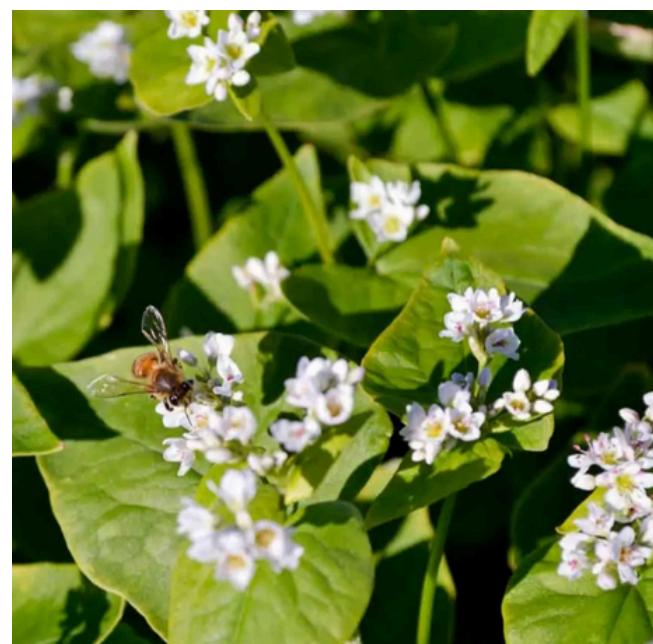


Buckwheat and Beekeeping Project

Prize : 3rd Prize Winner African Project Competition 24-25
Country : Zimbabwe
Committee : IAAS Zimbabwe

General Information

Our government is currently encouraging the growth of short season varieties of crops. Recently it has been promoting the growth of traditional drought tolerant crops, mhunga, mapfunde etc, in a quest to ascertain food security. Buckwheat farming presents a unique opportunity to empower women in agriculture, as it is a resilient crop that can thrive in challenging environmental conditions. This project, initiated by IAAS Zimbabwe in collaboration with Marondera University of Agricultural Sciences and Technology, aims to engage women in successful buckwheat cultivation, thereby creating pathways for economic empowerment and community development. Women play a critical role in the agricultural sector, yet they often face significant barriers, including limited access to resources, education, and decision-making power. The Buckwheat Farming Project specifically seeks to address these challenges by providing training and support to female farmers, enabling them to take ownership of their agricultural practices and enhance their livelihoods. In an effort to find short season crop varieties which align with shorter rainfall seasons, my team came up with Buckwheat as a source of flour. Buckwheat is a pseudocereal, which makes it suitable for people with dietary constraints when it comes to gluten. Therefore, as we are promoting the growth of an environmentally sustainable crop, we are also contributing to a wider range of people who favour gluten free products. In our research of the crop, it also came to our attention that Buckwheat production runs alongside Beekeeping as bees are needed for pollinating the crop. Therefore, our Buckwheat project will also encompass Beekeeping



Objectives

To promote food security, improve nutrition, ending poverty, and promote gender equality



Sustainable Semi-Intensive Farming of Local Rabbits and Chickens in an Integrated System

Prize : 4th Prize Winner African Project Competition 24-25
Country : Benin
Committee : IAAS Benin

General Information

Project “AgriLap-Pouss Plus,” aims to create a sustainable, integrated microfarm combining local rabbit and chicken farming while making use of organic waste and local plant resources. Based in Kétou, this project addresses the challenges of food insecurity, rural unemployment, and environmental degradation.

The system is based on a circular model: animal waste is transformed into organic compost for fodder crops; local medicinal plants (neem, papaya, chili peppers, etc.) replace chemical treatments. This reduces costs, improves animal health, and protects the environment.

In addition to producing healthy animal protein at an affordable price, AgriLap-Pouss Plus wants to work with women and young people in the village, training them and offering them income opportunities. In the medium term, I plan to develop a small processing unit (smoked meat, compost, organic fertilizer) and collaborate with local researchers or agricultural technical centers to innovate in local animal feed.

The project could also open up to paid practical workshops, in partnership with local organizations or NGOs, to train other young people in sustainable farming techniques and agroecology.



Objectives

The project aims to promote sustainable and responsible farming of local rabbits and chickens to provide healthy animal protein to local populations. It contributes to food security while promoting local resources. This model reduces environmental impact and promotes farmer autonomy.



Biodegradable Packaging Material

Prize : 4th Prize Winner African Project Competition 24-25
Country : Ghana
Committee : IAAS Ghana

General Information

Biodegradable packaging material is a sustainable project that directly contributes to reducing plastic waste in Ghana by offering biodegradable alternatives from banana leaves, a locally abundant and renewable resource. The project aligns with the “No Food Waste” and “One Health” initiatives by promoting environmental health through eco-friendly practices. It has strong potential for scale-up across agricultural regions, empowering local farmers with an added income stream.



Objectives

This project aims to provide alternative packaging material and reduce plastic waste.



SteFarms (Organic Urban Farmng)

Prize : -
Country : Ghana
Committee : IAAS-UG Ghana

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.



Objectives

To provide practical skills to IAAS members, individuals, and colleague farmers (villages) through our partnership programme with the crop science department.



Woman in Me (Women for Innovative Change)

Prize : -
Country : Ghana
Committee : IAAS Ghana, IAAS LC KNUST

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.

To produce women for innovative change for outside world. 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).

The Vision is to aim and equip them with innovative and leadership skills and to encourage them to take up societal challenges without the feeling of inferiority."



Objectives

The objective is to equip them (our women) with innovative and leadership skills and to encourage them to take up societal challenges without the feeling of inferiority. The core motive behind this women empowerment initiative is to produce women for innovative change for outside world.



Organic Agriculture (Woman In Agriculture)

Prize : -

Country : Malawi

Committee : IAAS Malawi

General Information

The project focuses on the assessment of factors influencing adoption of Organic Agriculture among small holder farmers especially women. By the use of primary data which was collected using survey and key information interviews with the aid of a structured questionnaire. The farmers are divided into two strata where one stratum comprised organic producers and another stratum contained conventional counterparts. The project recommends farmers group formation and membership to such groups, provision of training and technical expertise on organic farming practices through agricultural extension services, and educating smallholder farmers on the importance of organic farming systems as well as the processes involved in the preparation of manure through seminars and workshops. This project will promote adoption of Organic Agriculture which will in turn lead to food security and environmental sustainability.



Objectives

Our program will in turn lead to food security and environmental sustainability



FISE (Interschool Festival for the Environment) Second edition (One Health)

Prize : 1500 Euro

Country : Togo

Committee : IAAS Togo LC University of Lomé

General Information

The FISE project (Interschool Festival for the Environment) is a project which, in its first edition, came to instil environmental values, to encourage more than 5000 young pupils and students to adopt acts of environmental protection on a daily basis. It took place in several axes. The first was to raise awareness on eco-citizenship, more than 5,000 young students from primary, middle and high school of 8 schools in greater Lomé. More than 100 of them competed in drawing and poetry on a theme of environmental protection. The first 5 in each category (primary, middle and high school) were rewarded with school trophies and KIT. For at least 150 students, their capacity has been strengthened through workshops training on entrepreneurial waste management and its involvement in policy environment in Togo. Project implementation covered the period from 03 September to 30 October 2022. This first edition was a success thanks to the support of several partners.



Objectives

- Support SDGs → Contribute to targets 6 & 8 of the 11th and 12th Sustainable Development Goals.
- Align with national policy → Support Axis Strategy 8 of the National Environmental Policy.
- Raise awareness → Inspire young Togolese to prioritize environmental protection.
- Encourage action → Motivate youth to use their talents for protecting the environment.



FISE(Festival Interscolaire pour l'Environnement)Second edition (One Health)

Prize : 1500 Euro

Country : Togo

Committee : IAAS Togo LC University of Lomé

General Information

The FISE project is a project that comes to inculcate environmental values, 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 theater 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 eleventh and twelfth SDGs



Objectives

- Sensitize more than 5000 young learners on the importance of environmental protection.
- Train these young people on the One Health concept.
- Enable more than 200 young people to put their talent for poetry, drawing and singing at the service of environmental protection.
- Allow these young people to be able to identify ideas for entrepreneurship in the circular economy through workshops



International Association
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OTHER ONGOING PROJECTS

**IAAS Global
Projects 2025
Americas Region**



Asociación de Mujeres en la Industria del Café en Tarrazú (ASOMIC) // Association of Women in the Coffee Industry in Tarrazú (ASOMIC)

Prize : -

Country : Costa Rica

Committee : IAAS Costa Rica

General Information

Somos una asociación de mujeres que forman parte de la cadena de valor del café de especialidad en la región de Tarrazú, en donde nos apoyamos en el acompañamiento para la gestión del negocio y desarrollo personal. Posicionándonos en el mercado de café de especialidad como un grupo de mujeres líderes inspiradas en el desarrollo personal y social. La descripción del proyecto es lograr recaudar los fondos que nos van a ayudar a representar de manera gráfica mediante una propuesta de branding a nuestra asociación Asomic-Tarrazú, donde podamos lograr una diferenciación con lo ya existente en el mercado y que nos permita acercarnos a nuestro mercado meta en base a los diferentes objetivos que tenemos.

We are an association of women who are part of the specialty coffee value chain in the Tarrazú region, where we rely on support for business management and personal development. We position ourselves in the specialty 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.



Objectives

- To promote the social, economic, and environmental improvement of its members in order to achieve a better quality of life.
- To foster the associativity of the producers, enabling them to enhance their coffee production systems, agribusiness, marketing, and commercialization.
- To manage resources in the most favorable manner, allowing the members to obtain technical assistance, financing, and the supply of agricultural inputs and industrial equipment.
- To ensure the recovery, conservation, and protection of natural resources.
- To strengthen the spirit of association and mutual assistance.



Cooperativa Mujer en Café

Prize : -
Country : Costa Rica
Committee : IAAS Costa Rica

General Information

The Los Santos area (Dota, Tarrazú, and León Cortés) is a rural community where most of its economic income comes from coffee-growing activities. For this reason, the "Mujer en Café" Cooperative's main objective is to empower women from Los Santos, as for years they have been overshadowed by men at every stage of the coffee value chain. The cooperative aims to serve as a means of training and support for the production, sale, marketing, and export of the product. In addition, the creation of a "Mujer en Café" brand is proposed to help position the product in the market. Furthermore, the cooperative seeks to work under the pillars of SDG 5 and 8, providing training on gender issues and economic aspects to its members.



Objectives

To legally establish the Coope Mujer en Café cooperative as a platform that empowers women coffee producers in Los Santos by providing training, project support, financial assistance, product development, market positioning, strategic export alliances, and gender equality initiatives—thereby strengthening their economic independence and visibility in the coffee value chain.



International Association
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OTHER ONGOING PROJECTS

**IAAS Global
Projects 2025
MENA Region**



Bio-Plant Care (One Health)

Prize : -

Country : Morocco

Committee : IAAS MOROCCO LC ENA

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 the bioagriculture because they contain specific substances and molecules which are pest repulsive and rich of plant nutrients. The leaves of this plants are immersed simply in water and left for some days to get fermented so that the active substance be 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.



Objectives

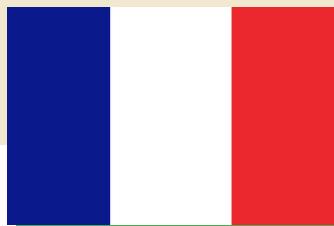
- Reduce chemical fertilizer use → Replace with nettle & spurge biopesticides to lower environmental and health risks.
- Improve plant health & yield → Boost resistance to pests and increase productivity.
- Promote environmental conservation → Protect soil, water, biodiversity, and support eco-friendly farming.



International Association
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OTHER ONGOING PROJECTS

**IAAS Global
Projects 2025
Europe Region**



VCP **(Village Concept Project)**

Prize : -

Country : France

Committee : IAAS France and IAAS UL

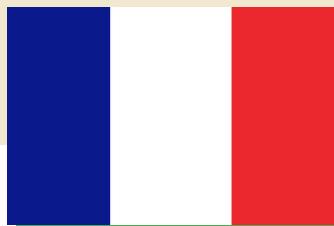
General Information

The Village Concept Project aims to help and support IAAS UL in developing the village of Kovié in Togo. We are currently developing a website to raise their profile among businesses and other potential donors.



Objectives

Our project aims to help the various Kovié projects get off the ground by helping them obtain financial funding.



VCP **(Village Concept Project)**

Prize : -

Country : France

Committee : IAAS France and IAAS Togo

General Information

We are collaborating on this project with IAAS Togo. This committee has an ongoing VCP project in collaboration with local villages. We are therefore stepping in to help and support them. This year, we created a website for this project, and we are aiming for other collaborative goals.



Objectives

We want to develop a website for this VCP project, as well as support the project itself.



WomenTalks Vol. 1 (Woman In Agriculture)

Prize : -

Country : Turkey

Committee : IAAS GTU

General Information

Raising awareness about woman power in agriculture projects



WomenTalks Vol.1

Tarim Bilimleri ve Teknolojileri Öğrenci Topluluğu

Women in Agriculture

Tarımda Kadın Hareketi:

Bitki Bazlı Gıda Üretimi

Deniz Yoldaç

Kurucu Şef

Canlı Yayın 12 Kasım 20.00



iaasworld.org  IAAS  iaas.world  IAAS  IAAS_World

Objectives

Lead the way to young women entrepreneurs to making new projects.



International Association
of Students in Agricultural
and Related Sciences

OTHER ONGOING PROJECTS

**IAAS Global Projects
2025
Asia Pacific Region**



Sweet Solution; IAAS Initiatives in empowering Women for sustainable Agriculture with Chemical Free Cane Peat

Prize : EBCB Choice award in Women in Agriculture Project Competition organized by IAAS World
Country : Nepal
Committee : IAAS Nepal LC FoA Tikapur

General Information

In Tikapur, following the processing of Sugarcane juice, sugarcane bagasse is burned in which has a number of detrimental consequences on the environment. Aerosols and dangerous trace gases, like carbon dioxide (CO₂), sulfur dioxide (SO₂), and black carbon (BC), are released into the atmosphere as a result. Burning sugarcane residues also aggravates asthma, pollutes the environment, and destroys biodiversity. It also affects human health, causing respiratory conditions including wheezing and coughing. Our goal is to start the Climate Smart Women Engaging Project so that women may actively participate in climate activism.



Objectives

- To Empower Women Economically and Socially by engaging them in action against climate change.
- To focus on bulk production of chemical free growing media (Cane Peat) to encourage Chemical Free Farming.
- To reduce the climatic effect cause due to burning of Sugarcane Bagasse which is the byproduct of sugarcane.



Alternative uses of problem soils and eco-friendly prevention of fruit fly insect in Gourds

Prize : Equal merit prize of GPC 2024
Country : Bangladesh
Committee : IAAS Bangladesh KAU

General Information

Our project mainly targets the utilization of 241.4 ha of saline and 6.80 lakh ha of haor lands which are being less valued or not properly utilized due to various problems. This leads to farmers poor condition, national nutrition or scarcity of quality food.

Our “**Tridhora**” structure will support us to the framework for using the land and “Vegetables bagging of Gourds by Sonali bagging” will provide totally new sustainable control of most common Cucurbitaceae vegetables which have high nutritional value and acceptance over the country.



Objectives

- Fight with problem soils specially salinity
- Increase production in flood affected areas.
- To improve the economic conditions of farmers by increasing the value and productivity of these lands, thereby enhancing national nutrition and reducing the scarcity of quality food.





Village Concept Project and Green Movement

Prize : -

Country : Indonesia

Committee : IAAS LC UB

General Information

Village Concept Project (VCP) is a work program of the Project Department that involves a village empowerment movement with three main objectives: education, environment, and community development. It is expected that VCP can serve as a platform for IAAS LC UB members to engage in social service to the community and develop their potential. The plan for this period is to conduct trial and error regarding the potential of Sukosari Hamlet, Pandansari Village, to be turned into a new VCP product for that village. We also conducting IAAS SAGA (Studying Agriculture and Sains) is an educational activity that focuses on delivering lessons about agriculture and science to elementary school students in the VCP village. This activity is designed to facilitate the understanding of agricultural and scientific concepts, using both Indonesian and English languages.

Green Movement is an environmentally conscious work program. This program involves the management of plastic waste and household organic waste through the creation of biopores using used bottles. Biopores serve as natural compost containers for the remaining organic household materials. Additionally, there will be the cultivation of food crops in pots made from used water gallon containers. The biopores will be applied to these pots, eliminating the need to purchase fertilizers as the plants receive natural compost from the degraded organic waste inside the biopores. The target participants for this program are the PKK (Family Welfare Empowerment) members in the village of VCP, specifically in Sukosari Hamlet.



Objectives

- The event date clashes with a village community activity, so the event had to be postponed.

Cassava Yogurt: Empowering the Women Farmers Group by Optimization of Agriculture Product in Dusun Tanen

Prize :-

Country : Indonesia

Committee : IAAS LC UNS

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 yogurt. 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 turn it into chips. This project will be started by a 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 yogurt from cassava. The training will focus on the process of selecting quality raw materials, product manufacturing, packaging, and wider product market. There's also product trials and legal license training for product commercialization in order to gain a wider market.



Objectives

IAAS LC UNS aims to improve women farmers' skill in processing cassava products as well as giving them more job opportunities. We also give them knowledge about marketing including how to make an attractive packaging, digital marketing, and how to get a wider market. Through this project, we hope we can empower the women farmers in Dusun Tanen to play a bigger role in agriculture and increase the economy of Dusun Tanen in general.

Community Development: The Synergi of Partners, Collaborators and Youth Towards Accelerating Rural Development

Prize : -

Country : Indonesia

Committee : IAAS LC IPB

General Information

The Community Development Summit by IAAS Indonesia is a program aimed at strengthening communities and supporting the progress of Village Concept Projects (VCP) through community-based, local resource-based, and sustainable approaches. It targets farmer groups, women farmer groups, youth groups, and the wider public, fostering collaboration to solve village-level problems. The program is divided into four interconnected sub-programs: highlighting the urgency of village development for national progress; developing typical village products to promote SMEs; encouraging youth social movements to engage with global issues; and implementing the YOUTH AGRICARETURE Goes to VCP initiative, which brings increased awareness and participation from youth, farmers, and stakeholders back to the VCP.



Objectives

The first objective of this program is to develop local potential in the IAAS Indonesia VCP by utilizing various stakeholders in a cooperation and collaboration scheme so that an advanced village structure is formed. secondly, in the long term, there can be 11 village institutions (groups of farmers and groups of women farmers) that are capable of producing typical products so as to support the economy. third, related to sustainable development goals, we are trying to implement this program as participatory action in the SDGs (zero hunger, gender equality, decent work and economic growth, responsible consumption and production, climate action, and life on land)

Youth Agricature Goes to VCP

Prize : Prize
Country : Indonesia
Committee : LC UMY

General Information

The IAAS LC UMY project is dedicated to developing bamboo product ideas from Muntuk Village (VCP) to be more attractive and accepted by the wider community, especially tourists who come to the Special Region of Yogyakarta. One of the products that is still being developed is clothing made from bamboo fiber as a product



Objectives

- Enhance the attractiveness and marketability of bamboo products from Muntuk Village.
- Develop bamboo fiber clothing as an innovative and sustainable product.
- Improve the welfare of local craftsmen by increasing income opportunities.
- Strengthen Muntuk Village's position as a bamboo craft center.
- Boost the economic value of bamboo crafts for wider community acceptance, especially among tourists in Yogyakarta.

Empowered Women: Embracing Strength Through Agricultural Innovation: Mamazolla, Fried Crispy Peanut and Permaculture System

Prize : First winner in Women in Agriculture x VCP 2024
Country : Indonesia
Committee : IAAS LC Universitas Padjadjaran

General Information

The Kutamandiri Village Concept Project is a community empowerment initiative aimed at boosting local livelihoods by introducing and cultivating Azolla as a new agricultural commodity. This project encourages sustainable farming practices, where Azolla cultivation provides both ecological and economic benefits. In addition to planting Azolla, the project focuses on creating value-added products derived from this aquatic fern, offering new income streams and promoting self-sufficiency within the community.



Objectives

- Introduce and cultivate Azolla as a sustainable agricultural commodity.
- Enhance agricultural productivity and soil health through innovative farming methods like raised beds.
- Develop value-added products from Azolla to create new income streams.
- Foster community engagement and ownership of sustainable farming practices.
- Empower local residents to independently manage and expand these initiatives.
- Strengthen the village's long-term economic resilience and environmental health.

Youth Agricareture X Tribute to Earth

Prize : -
Country : Indonesia
Committee : IAAS Indonesia LC UNS

General Information

Youth Agricareture (YACT) is an annual initiative by IAAS Indonesia, conducted across 14 Local Committees to inspire youth engagement in agriculture. The program educates and motivates young people through events like Goes to School (GTS) and Goes to VCP (GTV). GTS introduces students to sustainable agricultural practices, such as hydroponics, fostering future agricultural leaders. GTV focuses on innovative solutions like maggot cultivation for organic waste management and livestock feed. Through YACT, IAAS Indonesia empowers youth to contribute to agricultural sustainability and environmental resilience.



Objectives

- Provide youth with an understanding of the importance of preserving and managing the environment.
- Introduce effective and wise methods for maintaining and managing natural resources.
- Raise awareness among youth to take appropriate actions in support of environmental health.
- Identify issues in the Village Concept Project (VCP) of each Local Committee related to agricultural environmental management for a healthier environment.
- Educate the community, especially youth in the VCP area, on the significance of environmental and agricultural management.
- Enhance community awareness and understanding of the importance of proper management for environmental health.
- Strengthen relationships among collaborators (Learning Partners, related Local Committees, and participants from VCPs and volunteers).

IAAS Campaign X Monthly IAAS Impact

Prize : -
Country : Indonesia
Committee : IAAS Indonesia LC UNS

General Information

IAAS Campaign X Monthly IAAS Impact is a joint initiative by the PRP and ST Departments to raise awareness of agricultural and environmental issues. Through social campaigns targeting the public, the program promotes education and concrete actions for sustainability. A key activity is plogging, which combines jogging with garbage collection to reduce plastic waste and carbon emissions. This initiative encourages environmental responsibility and active participation in protecting nature. Ultimately, it aims to foster greater awareness and sustainable habits within communities.



Objectives

- Educating the wider community about the importance of protecting the environment by reducing plastic waste.
- Contributing to environmental cleanliness through actions taken.
- Creating a sustainable positive impact in environmental conservation efforts.

Rainwater Management Integrated with Automatic Drip Irrigation Technology for Watering Management Efficiency on Dry Land in Pandansari Village

Prize : -

Country : Indonesia

Committee : IAAS Indonesia LC UB

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 :

- 1) The farmer may acquire water on a wide scale with the aid of a water storage pond that integrates with drip irrigation. The plan has four major ponds that are 4 x 1 x 1,2 m² in size and can hold 19.200 liters of water. This water source may be used to store water during the rainy season for use as a drought irrigation scheme.
- 2) During a drought, farmers may easily irrigate their land with the use of drip irrigation devices. This system includes built-in capabilities that link the temperature sensor and humidity sensor to the farm's real-time monitoring integrated to Android application. This irrigation method will contribute to lower water use, higher production, and higher farm profitability.



Objectives

- Installing automatic drip irrigation systems utilizing rainwater and POC to manage livestock waste in Pandansari Village in order to address the issue of land drought.
- Fostering a technologically aware society through education and the use of Internet of Things (IoT) technologies.
- Improving the output of plantation goods in Pandansari Village to boost local residents' income.

SEED LIBRARIES

Prize : -

Country : Indonesia

Committee : IAAS Indonesia LC IPB

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: We provide educational pamphlets on gardening, climate action, and environmental conservation.

TAKE: People are encouraged to select the seeds they would like to grow.

GROW: Participants can cultivate the seeds at home with the hope of enjoying a bountiful harvest.

SAVE: We encourage individuals to save some seeds from the healthiest plants and fruits for future use.

SHARE: Return a portion of the saved seeds to the seed library, allowing others to grow them.

ENGAGE: By participating in the Seed Library network, individuals become part of the solution in addressing climate change, promoting food security, and managing solid waste.



Through these principles, we aim to foster community engagement and empower individuals to contribute to important issues such as climate change mitigation, food security, and sustainable waste management.

Objectives

Our project goal: To be a model community initiative that will positively impact the lives of people through knowledge and capacity building about seed saving, gardening, and promoting the "Think Globally, Act Locally" in terms of climate action.

Turning Black into Gold: Black Turmeric Conservation

Prize : -

Country : Indonesia

Committee : IAAS Indonesia LC UNS

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 woman 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.



Objectives

Make a greenhouse as a conservation for intensively black turmeric cultivation.



Upliftment Mahuwari and VCP Kafalghari

Prize : -

Country : Nepal

Committee : IAAS Nepal LC Paklihawa and IAAS Nepal LC CNRM Puranchau

General Information

We are engaged in two VCPs. They are VCP Kafalghari and Upliftment Mahuwari.

The Institute of Agriculture and Animal Science Paklihawa is 30 km away from the Mahuwari Village Project, which is situated in Marchwari Rural Municipality 5. The majority of the villagers work in agriculture, with an average landholding size of 0.3 ha. The main ethnic groups are Tharu, Yadav, and Kurmi, and some others.

The site of VCP Kafalghari is in the village of Kafalghari in the Kaski district of Nepal, where agriculture is also the key occupation.

The activities carried out in Mahuwari Upliftment include:

Soil test

Mobile animal health camp

Training in grafting and air layering

Community sanitation

A chart for menstrual hygiene program

The activities carried out in VCP Kafalghari includes:

Community Sanitation

Dustbin Distribution.



Objectives

To Uplift the socioeconomic condition of Village.



Mush-Hoom (Women In Agriculture)

Prize : -

Country : Bangladesh

Committee : IAAS Bangladesh SAU

General Information

MushHoom is a company where we are creating a block-chain of employment by producing white gold mushroom. In our company MushHoom, our target employees are mostly women, housewives, retired individuals or even small job holders. We will train them to make them professional about mushroom cultivation. We provide them specialized mushroom chamber and spore. By utilizing it they can produce mushroom very easily. They will utilize household cellulosic waste during the production as one of the substrate. We will monitor the whole process and guide them at every point. Then we will collect mushroom and dry them and after packaging they will be ready to sell. Therefore every home will be our production house.



Unemployment, Job security, gender dis-equality and weak immune system are some of the major problems of today's world. Our mushroom is a perfect solution for all these problems. Our employees will grow oyster mushroom at their own home under our monitoring. The product mushroom is 21st century's superfood. Our blockchain of mushroom will change the lives of millions by solving unemployment problem and also enhancing health safety. It's like making the world BOLD by producing white GOLD.

Objectives

Mush-Hoom is creating a block-chain of employment and mushroom to change the lives of millions.



GRIHINI (Housewife) – “From Kitchen to a New Hope”

Prize : WIA Competition 2022

Country : Nepal

Committee : IAAS Nepal LC FoA Tikapur

General Information

GRIHINI (Housewife) – “From Kitchen to a New Hope” is a solution-oriented project aimed at empowering women through skill development and economic independence. It focuses on reducing food wastage, addressing women's limited access to skills and income, and uplifting their mental, economic, social, and legal status. The project provides training in mushroom cultivation, allowing women to utilize kitchen waste efficiently while generating income. Through this initiative, women transition from unskilled domestic work to self-sustained entrepreneurs, contributing to a hunger-free and gender-equal society.



Objectives

- Empower women with practical skills and knowledge.
- Reduce food wastage through sustainable practices.
- Provide economic opportunities for women in agriculture.
- Promote gender equality in employment and entrepreneurship.



Heliciculture: A Hope To Be Flourished

Prize : 3rd Position WIA Competition 2023
Country : Nepal
Committee : IAAS Nepal LC AFU

General Information

This project focuses on the commercial farming of snails for human consumption. Snail farming is a highly profitable business when managed properly, requiring minimal land, labor, and capital investment. By introducing heliciculture to the community, the project aims to create sustainable economic opportunities for women, helping improve their livelihoods while promoting sustainable agricultural practices.



Objectives

- Introduce snail farming as a sustainable business opportunity for women
- Generate additional income sources for rural communities
- Promote environmentally friendly farming practices
- Contribute to sustainable agricultural development

Rainwater Management Integrated with Automatic Drip Irrigation Technology for Watering Management Efficiency on Dry Land in Pandansari Village

Prize :

Country : Indonesia

Committee : IAAS Local Committee Brawijaya University

General Information

During our observation of this project, the problem is with the busy schedule from the members. There's an obligation from Brawijaya University about Village Service in East Java, Indonesia. In this program we're doing Village Service outside Malang where Pandansari Village is located, for about 1,5 Months that makes us all can't execute our project as soon as possible.



Objectives

Our objectives are to provide solutions to solve the problem of land drought in Pandansari Village by using an automatic drip irrigation system using rainwater and managing livestock waste using POC. Then developing a society that is sensitive to technology by educating and utilizing the Internet of Things. We also aims to increase the productivity of plantation products in Pandansari Village, providing by-products of gardens in the form of fish farming, and making organic fertilizer as additional income for the people of Pandansari Village.

PPM X TPV2 (Pemberdayaan dan Pengenalan Masyarakat x Top Progres VCP Team) or in english "Introduction and Community Empowerment x Top Progres VCP Team"

Prize :

Country : **Indonesia**

Committee : **IAAS Indonesia, IAAS LC UMY, IAAS Asia Pasific**

General Information

The PPM x TPV 2 is a program where does it come from combination of 2 interrelated words and programs from Indonesia word, namely PPM (VCP Community Introduction and Empowerment) and TPV2 (Top Progress VCP Team and VCP Product) which are social project activities carried out to provide an introduction to the goals of the IAAS project department LC UMY, in providing socialization and training in efforts to improve agriculture, animal husbandry and MSMEs in VCP villages and provide motivation to VCP residents in a sustainable manner. The PPM X TPV 2 program was created because the village from IAAS LC UMY was a VCP village that had just moved. So it is necessary to introduce and adjust the implementation of the activities that will be carried out and as an effort to increase the progress of work programs that have not been implemented optimally. The PPM x TPV 2 program is a bridge for the VCP community in achieving 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 has just been formed by the village head 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 feces into organic fertilizer as income for VCP villagers. Not only that, the Head of Muntuk Village also formed farmer cadets. Farm cadets are young farmers who are deliberately formed to become successors of mainstay farmers as facilitators to other farmers who are expected to be able to encourage agriculture and animal husbandry. Most of the farming cadets and residents in the VCP village have managed livestock, but do not know how to properly manage and provide alternative mixed feeds. With the management of livestock in an innovative way, alternative feed sources and alternative feed management are one of the solutions to meet the availability of feed every year, of course, while still paying attention to the nutritional quality of feed as a source of energy and protein sources. In the PPM x TPV activity in the livestock sector from the IAAS LC UMY Departmental Project it has been carried out once but needs to be carried out on an ongoing basis because it has never been held before and was held in that village.



Objectives

The aim of the PPM x TPV 2 program is in the livestock sector

1. Helping Farmer Cadets and VCP villagers in managing livestock so that the livestock on the farm can develop properly and livestock becomes a daily income sector for VCP villagers
2. The continuation of the PPM x TPV 2 program which was carried out became a bridge for farmers and breeders to align goals in achieving the success of the village program regarding food self-sufficiency
3. Facilitate Farmer Cadets and VCP residents in increasing information about livestock and livestock development, especially in alternative feed solutions

Honoring Cinanjung

Prize :
Country : Indonesia
Committee : IAAS Indonesia LC Universitas Padjadjaran

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 come 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.

In addition, IAAS LC Unpad collaborates with Rumah Kayu Permaculture to optimize the cultivation process of roselle plants using permaculture methods. The land improvement process using permaculture involves:

1. Land processing using organic fertilizers.
2. Creating raised beds that consider aesthetic and ergonomic values.
3. Integrating the cultivation of roselle plants with the cultivation of tilapia fish.
4. Creating ecoenzymes to improve roselle plant yields using waste from tilapia manure.

Implementing permaculture as a land cultivation method aims to increase crop yields and enhance the aesthetic value of the land. The goal is for the roselle cultivation area to not only produce roselle but also serve as an educational tool for the community.



Objectives

Our project's objectives are multi-faceted and impactful. We aim to produce rosella plant seedlings through the technique of cuttings, employing a sustainable approach to cultivation. Our focus on ergonomic principles ensures a well-designed planting layout, optimizing the use of 140 m² of abandoned land using permaculture principle and technique in Cinanjung Village to become a thriving Aesthetea production area. With adherence to PIRT and legal requirements, we aim to establish a reliable and compliant operation.

However, the heart of our mission lies in transforming the lives of the 22 members of the Malati Asih Women Farmer Group. By increasing their family income by 20% each month through the sale of Aesthetea, we seek to significantly enhance their welfare and economic stability. Members of Malati Asih Women Farmer Group are able to independently operate the production process up to the marketing of Aesthetea, allowing the 20% monthly increase in family income to be sustained.

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