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COCO CUPS: COCONUT HUSK CUPS FOR A GREENER FUTURE

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INTRODUCTION

We turn the usual cause of pollution into sustainable coconut seedling cups.



IDENTIFIED PROBLEM



burning of coconut husk



using plastic seedling cup/container

LOCALE

JC Payumo Dinalupihan Bataan





Living Lab Objective:

"An eco-friendly innovation, Coco Cups repurpose coconut husks into sustainable seedling containers, providing a sustainable solution to plastic waste in agriculture."





Collaborators and Stakeholders



Yonsei University



SK CHAIRMAN & Barangay Secretary



MA-COORDINATOR
Department of Agriculture

METHODOLOGY

gather and prepare coconut husk



METHODOLOGY

collect vegetable scraps



METHODOLOGY

dissolve the cassava starch with water and add the fertilizer



METHODOLOGY

heat and mold the husk and the dissolved cassava starch as glue



METHODOLOGY

dry the finished seedling cups



COMPARISON



1st trial



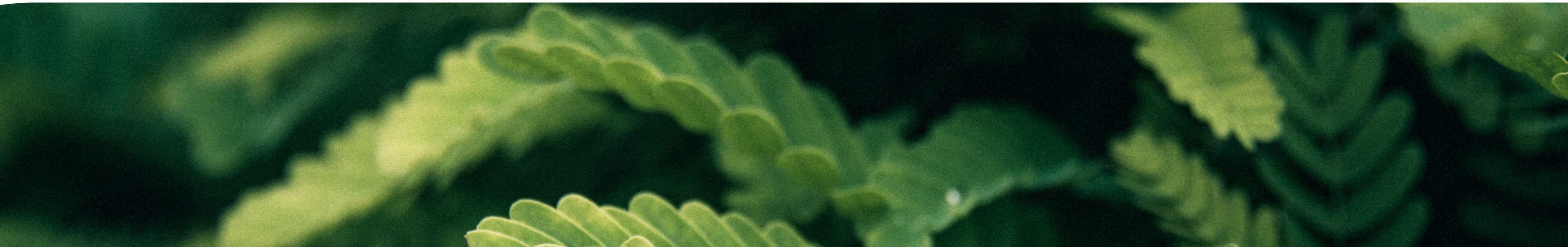
2nd trial



3rd trial

RATIONALE

- Sustainable seedling cups
- Lessen plastic
- Reduce the piled coconut husk



EVALUATION



"As someone with expertise in agriculture and working under the Department of Agriculture, what are your thoughts on our coco cups?"

M.A. Coordinator: using coconut is a good choice, considering it is biodegradable and beneficial to the soil as well.

"Do you have any suggestion to improve our product?"

M.A. Coordinator: make a larger size of this for fruit bearing

Sustainable Developmental Goals



ACTION

- Biodegradable cups from coconut husks
- Repurposing waste

- Green alternative to plastic
- Drives circular innovation



- Coconut husk processing
- Mold with natural binders



Promote
upcycling and
zero-waste

- Less plastic waste
- Scalable eco-solution

• Coconut husk

INTERVENTION

FUTURE DIRECTION

- Community outreach
- Foster partnership for sustainability
- Create larger-size coco cups



LESSONS LEARNED

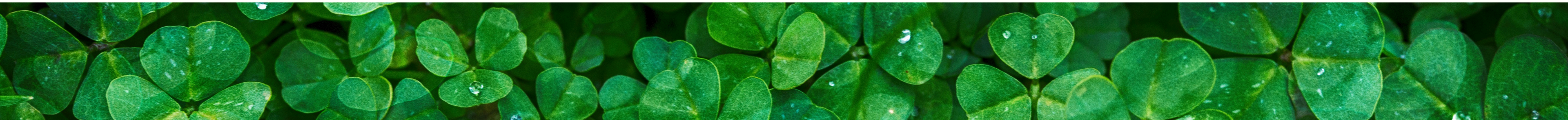


Teamwork and
collaboration

Innovation

Resourcefulness

Sustainability



ACKNOWLEDGEMENT

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CoCo Cups Group

Brgy. JC Payumo

Municipal of Agriculture



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https://youtu.be/_yRZWKU06FM?feature=shared

THANK YOU!

From husk... to hope

