

Utilizing Waste from the Natural Resources of Harapan Island to Become Kitchen/Pantry Decoration Elements in Residential Homes

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ABSTRACT

Lecturers and students of the Architecture Study Program at the Christian University of Indonesia together in partnership with Antheia and Fempire once again held a Community Service on Harapan Island by raising the title "Utilizing Waste from the Natural Resources of Harapan Island to Become Kitchen/Pantry Decoration Elements in Residential Homes." This is the fourth Community Service activity on Harapan Island where the method that were used involved conducting socialization with the Harapan island's housewives as participants with the approach involved providing instructional material from the speaker and then guiding the participants in practicing the material presented. The results showed that almost all participants were able to complete the products in form of table decorations for the pantry/kitchen as well as used bottles with shell ornaments added to them.

INTRODUCTION

Indonesia is recognized as a global tourism destination due to its abundant natural resources and relatively high biodiversity, which captivate the interest of tourist and making it a prominent tourism destination. (Ilham, 2021). One of the tourist destinations that is favored by tourists in Indonesia is the Seribu Island (Miswan, 2019). The Seribu Island is an archipelago consisting of 110 islands, one of which is Harapan Island (Aditayoga, 2018). Harapan Island is an island with a relatively small population, but it has charm and tourism potential that attracts tourists to visit the island. Besides, Harapan Island has natural wealth consisting of coral reefs, mangroves and seagrass (Chaturvedi, 2018). However, the natural wealth can also have negative impacts, where mangroves and other natural resources can become litters and reducing the visual quality of Harapan Island. As a result, the environment on Harapan Island may not be clean due to this waste pollution. In addition, the waste can also be carried into the sea which can result in marine pollution (Putra et al., 2023).

Therefore, the lecturers and students of Architecture Study Program of Christian University of Indonesia together with partners held their fourth Community Service after successfully carrying out the previous community service activity titled Socialization and Training on the Utilization of Fabric Waste to Make Home Interior Decoration Ornaments on Harapan Island (Erwin et al., 2023), Training (Workshop). Utilization of Fabric Waste as Ornaments for Living Room and Dining Room Decoration in Residential Homes (Xxxx-xxxx et al., 2023), as well as Socialization and Training on Fabric Waste for Bedroom and Bathroom Decoration in Residential Homes on Harapan island. The Community Service activities continue with the theme "Utilizing Waste from the Natural Resources of Harapan Island to Become Kitchen/Pantry Decoration Elements in Residential Homes." with the aim for this activity to have a positive impact on reducing the volume of waste on Harapan Island and environmental pollution can be gradually addressed.

IMPLEMENTATION AND METHODS

The method used to carry out the Community Service activities titled Utilizing Waste from the Natural Resources of Harapan Island into Kitchen/Pantry Decoration Elements in Residential Homes is as follows:

1. Coordinating with partners regarding the preparation of the event.
2. Preparing tools and materials for the Community Service activity.



Picture 1. Waste from Harapan Island's Natural Wealth with Tools and Materials that Were Used

3. Providing transportation so that the implementation team (lecturers and students) along with partners from Antheia and Fempire can arrive at Harapan Island to carry out the Community Service activity.
4. Conducting socialization by providing education to participants on Harapan Island by inviting expert speakers in the field of waste utilization.



Picture 2. Materials Being Presented By the Speaker.

5. Conducting a workshop by applying the theories presented by the speaker to create a product that utilizes waste from the natural resources of Harapan Island.



Picture 3. The participants is Practicing the Theory Presented By the Speaker.

Before conducting the workshop, a pre-event socialization was held by inviting two speakers who are experts in the field of waste utilization from the Department of Architecture of Christian University of Indonesia. The speakers were Mrs. Ir. Liliek Pinontoan, M.Ars, and Mrs. Dra. Yanni Rosalin, M.Sn. In this workshop, the two speakers took turns presenting different materials and theories that would be applied during the practical sessions. Firstly, the speakers discussed how marine biota waste, such as shells, can be utilized as decorations for walls and tables in kitchen/pantry spaces. Waste from mangrove stems can be used as additional ornaments on containers for storing sugar, salt, and other items. The bottles that were used were also recycled bottles that can be reused. To create wall decorations in the kitchen/pantry area, shells are collected,

cleaned, and washed. They are then arranged in circular or square patterns according to personal preference and attached using hot glue. After the glue has dried, the decorations can be placed on the table and hooks can be attached to them, allowing them to be hung on the wall.



Picture 4. Examples of Wall and Table Decoration Products Made from Sea Shells.

Second, the speaker explains how to create used bottles decorated with ornaments made from Harapan Island's natural resources, which are mangroves and sea shells. The first step is to gather used bottles, such as used jam jars, and clean them. The next step is to attach the ornaments such as mangroves and shells using a glue gun until they are dried. After following the two steps, the bottles can be used in the pantry or kitchen.



Picture 5. Products Produced by Mangrove Waste and Recycled Bottles

RESULTS AND DISCUSSION

The community service activity titled "Utilizing Waste from the Natural Resources of Harapan Island to Become Kitchen/Pantry Decoration Elements in Residential Homes" was executed by lecturers and students in partnership with Antheia and Fempire by bringing two speakers who are experts in recycling. The activity was held in Harapan Island and was attended by housewives who live in Harapan Island expecting that participating in this activity would grant them new knowledge to improve their skills in crafting products with value to increase their household income. In addition, this activity can also help contribute to reducing environmental pollution on Harapan Island. This community service activity is expected to be able to answer environmental research problems so that problems such as environmental pollution, how to design residential interiors at affordable prices but still aesthetic. The socialization and workshop of the community service activity was attended by 12 - 15 participants. Approximately 90% of the participants completed their product at the end of the workshop. Some of the participants who could not finish their product because of their late attendance were suggested to finish their products at home.

CONCLUSIONS AND RECOMMENDATIONS

The community service activity titled "Utilizing Waste from the Natural Resources of Harapan Island to Become Kitchen/Pantry Decoration Elements in Residential Homes" was held in the Antheia Label's production home located on Harapan Island on Saturday, November 11th, 2023. The implementation team consists of a lecturer from the Universitas Kristen Indonesia Architecture study program (Ulinata, ST.Ars., MT), two students (Jessica and Yolanda), and two speakers, namely, Mrs. Ir. Liliek Dyah Pinontoan, M.Ars, and Mrs. Dra. Yanni Rosalin, M.Sn. in partnership with Antheia and Fempire. The participants are housewives who live on Harapan Island. The theme of the event was to utilize waste from the natural resources of Harapan Island. Overall, the participants were able to keep up from the beginning to the end of the activity and almost every participant managed to complete their product. However, not every waste from natural resources was applied to the product because of to the lack of time in finding and gathering said wastes, and some wastes required permission from government officials regarding their usage in the activity. If this activity were to be continued to production, there would need to be adequate time to gather and select wastes and to process permissions so that the wastes from natural resources used can be more varied and that there will be more esthetic products to be created.

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