

Empowerment Of Fermented Kitchen Waste To Improve The Economy Of The Sei Mencirim Village Community And Sell Processed Products Through Internet Technology

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Abstract.

Sei Mencirim village is a village consisting of various tribes who come from several areas in North Sumatra. Sei Mencirim Village consists of 24 hamlets. The Sei Mencirim Village Community Work consists of groups that do not work as much as 11,72%, groups that take care of the household as much as 25 %, groups of students as much as 30, 38 %, groups of retirees as much as 0,24%, groups of farmers 1,46%. The total population of the Sei Village community is 8608 population consisting of 4052 male population and 4556 female population. At present the role of the state apparatus in protecting the community is quite dependent on their income from work and farming and for those whose income is uncertain therefore one of the easiest product manufacturing modalities to find is to utilize household waste. Household waste is one factor that needs to be addressed. From household waste management, it can be used as a product that has economic value. An alternative to waste management is to deal with the problem thoroughly and sustainably by recycling waste into eco enzyme, which come from organic waste, namely leftover vegetables and fruits. Therefore, by looking at the group of housewives as much as 25 %, recycling waste management can support the economy of housewives in Sei Mencirim Village as additional income. The service team decided to hold socialization in the hope that the community, especially the housewives of Sei Mencirim Village, could change their mindset and advance their village in their own way and style. This community service activity for the people of Sei Mencirim Village provides understanding to the community to manage household waste into products that have economic value and support the economy for the people of Sei Mencirim Village, especially for housewives and has an impact on environmental cleanliness.

Keywords: *Eco enzyme, household waste recycling and additional income.*

I. INTRODUCTION

The problem experienced is household waste, every household will produce waste if the waste is not handled properly it will have an impact on the surrounding environment. Household waste is the waste of leftover vegetables and fruits. If this waste is allowed of interfere with human health. Because if this waste is left unattended there are many germs and bacteria that cause unpleasant odors and area a source of disease [1]. Household waste, which is the waste of leftover vegetables and fruits, includes organic waste. Seeing the enormous impact of household waste on the environment, action is needed to manage household waste properly. Every family has the same role in managing the household waste it produces [2]. The problem of household waste is very closely related to the culture of the people who are accustomed to littering, this is an obstacle because they have to change their habits for better environmental conditions [3]. There are many ways to prevent the adverse effects of household waste, including separating different types of waste. An alternative to managing household waste from leftover vegetables and fruits can be recycled into organic eco enzyme [4].

So that it can reduce piles of garbage, environmental pollution and make the surrounding environment healthier. Managing household waste from vegetables and fruit to become eco enzyme is easy for housewives who have free time and so the results can be used to meet their daily needs and as an additional source of income [5]. Eco enzyme processed products can be sold through internet technology making it easier for housewives who have free time to market their products through internet technology to

earn additional income. Sales can be through instagram, facebook and tik tok. However, the limitations in the marketing strategy through internet technology media made their steps a dead end. So it is necessary to train marketing models through internet technology in the form of instagram, facebook and tik tok which are more systematic to market products. Thus, this community service program is expected to provide benefits namely the benefits of a clean and healthy surrounding environment, housewives can take advantage of free time and housewives gain new knowledge and improve the economic standard of the family in the surrounding community [6].

II. METHODS

This community service activity method is carried out using the lecture, tutorial and discussion methods with the following systematic implementation:

1. The first stage is the lecture method, the participants are given motivation and understanding so that housewives can utilize household waste originating from fruits or vegetables into a product that has economic value to support the economy of Sei Mencirim Village.
2. The second stage of the tutorial method, for training participants to Sei Mencirim Village lasted two hours.
3. The third stage is the tutorial method, for training participants to get material about the stages of the process of utilizing wet waste into the products needed and can produce eco enzyme so that it becomes a source of additional income for housewives in the Village of Sei Mencirim.
4. The fourth stage is the discussion method, participants are given training and are given the opportunity to discuss matters relating to household waste in the form of vegetables and fruits.

III. RESULT AND DISCUSSION

Result

The results of the counseling and training were carried out for three days starting from Monday the fourth of July two thousand and twenty two to Wednesday the six of July two thousand and twenty two smoothly and without any obstacles. On the first day, a view of the location will be carried out for socialization and counseling were carried out regarding the meaning of household waste, the harmful effects of waste and the positive impact of processed waste products. Third day the closing of the photo session with the community, the village head, the hamlet head and the head local environment.



Fig 1. Socialization



Fig2. Socialization

Discussion

The success of this community service activity was achieved thanks to the support of the Village Head of Sei Mencirim and each sub district head who facilitated the location. The people of Sei Mencirim Village who are very enthusiastic about conducting counseling and outreach to increase the understanding of the Sei Mencirim Village community, especially to housewives.



Fig 3. Group Photo With The Sei Mencirim Village Head

IV. CONCLUSION

The Sei Mencirim Village Community is enthusiastic in conducting counseling and training to increase the understanding of the Sei Mencirim Village community, especially housewives regarding the management of household waste originating from fruits and vegetables to made into products so that they can produce good eco enzyme which can be used as a source of income for Sei Mencirim Village community characterizes especially housewives. This stage lasts for two hours. With the training that has been given. The people of Sei Mencirim Village are more aware of the use of waste for the economy and its impact on their respective households in the area. Therefore the people of Sei Mencirim Village can learn form themselves how important it is to use waste for a more decent life. Apart from getting a lot benefits, also benefits many parties. And it is hoped that it can form habits between communities in producing a more advanced economy.

V. ACKNOWLEDGMENTS

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