

Utilization of Natural Resources in the Form of Processed Vegetable Chips in Mondoretno Village to Increase Community MSMEs

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Abstract

Natural Resources has an important life support function. Therefore, its management and development is directed at maintaining its existence in a dynamic balance through various efforts to develop and utilize these natural resources so that they become selling points. Our community service activities are carried out by utilizing natural resources by processing vegetables which are generally served as a staple food, which can now be innovated into snacks in the form of carrot chips and eggplant which can also add value to the market. The presence of this activity, then becomes an innovation how it can be continuously developed by the community, especially teenagers in Mondoretno Village through training on the use of natural resources. This can ultimately increase MSMEs in the village.

Keywords: Utilization of natural resources, community, chips.

Introduction

As a large country, Indonesia has enormous potential for natural wealth, whether it comes from agriculture, plantations, and mining. The existence of natural resources has a very important role in meeting human needs. Natural resources, such as animals, plants, and non-biological natural resources, oil, metals, and natural gas need to be properly utilized and cared for in order to maintain them. Article (#3) of the 1945 Constitution of the Republic of Indonesia mandates that State Assets must be managed in the best possible way for the benefit of all Indonesian people. In this context, the Directorate General of State Wealth (DJKN) has a vision to make the management of state assets (SDA) responsible for the greatest prosperity of the people.

On the other hand, the use of natural resources with new innovations can also be an inspiration to increase household income, empowering human resources (HR) of the

community to open MSMEs by processing natural resources in different ways. In the activities of managing the use of natural resources, we conduct education or training activities for the community regarding the use of natural resources. It is hoped that this activity will be able to increase the economic growth of the community in Mondoretno Village, whose community is dominated by farmers who have land with a variety of plants other than tobacco, such as fruit, rice, and vegetables through the provision of training on making carrot chips and eggplant.

Methods and Approaches

The activity of implementing the utilization of natural resources was carried out in Mondoretno Village, Bulu District, Temanggung Regency, on July 7, 2022. The participants of the training on the utilization of natural resources involved teenagers from Mondoretno Village who had the desire to become entrepreneurs. Equipment needed in training on making eggplant chips and eggplant chips such as: 1 kg of purple eggplant, 300 grams of rice flour, 150 grams of tapioca flour, 100 grams of all-purpose trigo flour, 30 ml of coconut milk or sachet, 450-480 water, 1 sachet roiko, teaspoon of turmeric powder, teaspoon of kencur powder, 2 teaspoons of coriander powder, 2 teaspoons of garlic powder, 5-10 pieces of lime leaves. Ground spices such as 1 tablespoon salt, 3 candlenuts, 2 broad galangal. The method of implementing the activities is divided into 3 stages as follows:

1. Pre-Activity

During the implementation of this activity, the team prepared a letter for coordination to the location. After that, the team visited Mrs. Sri Ningsih's house as a resource person in the implementation of the Natural Resources Utilization Training. The team also coordinated with village youth through the mosque youth forum to participate in these activities. As for some other preparations for activities in the form of making and installing activity banners and buying materials needed for these activities.

2. Socialization

We as a service team conducted socialization about the importance of utilizing natural resources around the village, then provided insight in the form of the need to

increase the selling value of an item, and at the same time calculate the break-even point (BEP) of eggplant chips when they are sold on the market to a group of mosque youths in Mondoretno Village. , Bulu District, Temanggung Regency as a participant in the training activity on the use of natural resources.

3. Training Implementation

The activity was carried out on July 7, 2022, starting at 08.00 WIB at Mrs. Sri Ningsih's house, and was attended by approximately 10 mosque youths, and this activity was also attended by us as members of the community service team. The activity begins with peeling eggplant and carrots then cut into thin strips, then put into the dough and fried using low heat until half cooked and then drained. After that, fried again until cooked. After all the chips are cooked, then put into the tool to minimize the oil in the chips. The next step is packing the chips by weighing them according to the specified number. All mosque youth participated in the activities with great enthusiasm. The activity was completed at 12.00 WIB and went smoothly.

Results and Discussion

Preparation for Community Service Activities

Preparation for community service activities include: preparing letters for coordination to community service locations, preparing equipment for the training process for the use of natural resources, coordinating with resource persons or practitioners and Youth Leaders to inform their members that there will be training activities for the use of natural resources. This is done so that the community, especially teenagers, can use existing natural resources into food commodities that have economic value. Due to local customs, people do not realize that natural resources in the form of agriculture if used properly will produce products that have a selling value and of course can help in increasing community economic activities.

Socialization of Community Service Activities Program

The community service team carried out socialization activities about "Training on the Utilization of Natural Resources Based on Millennial Generation Empowerment in Mondoretno Village". The youth of the mosque in Mondoretno Village, Bulu District, Temanggung Regency were targeted in this community service activity. Approximately

15 youths from the mosque participated in the training activities enthusiastically. The participants of this training were explained how to utilize the potential of natural resources in Mondoretno Village. The village has a lot of agricultural products, including carrots and eggplant. One of the uses of these two materials can be processed into high-value products such as chips.

The method used by the community service team to socialize the activity was first conveying to the Mosque Youth Trustees who is familiarly called Kang Ipin. Then Kang Ipin disseminated the information during the mosque's regular youth meeting which is held every Saturday night. After the information was spread, the community service team followed up by creating a WhatsApp Group for this training activity as a medium of information for the training participants.

Utilization of Natural Resources Based on Millennial Generation Empowerment

After the program socialization activities are completed, the next activity is to demonstrate the use of natural resources. This demonstration was carried out with the youth of the mosque. The location for the demonstration of the use of natural resources is at Mrs. Sriningsih's house. The location was chosen because the house has become a training and production center for SMEs in Mondoretno Village. The production house has produced various MSME products ranging from processed products from fruits, vegetables and fish. In addition to being a production center, this location was chosen because the equipment and equipment are far more complete than the others, so that in terms of preparation, it is much easier.

After the equipment and supplies have been prepared. Ingredients such as vegetables began to be cleaned and dough began to be made. The dough is made with a mixture of eggs, flour and spices. Furthermore, after making the dough, the vegetables that have been cleaned are then cut to a predetermined size. In cutting it is also recommended to be appropriate so that in the frying it can be cooked evenly. Next prepare equipment and supplies for the frying process. Before frying, it is recommended to heat the pan and oil first so that the frying process does not take a long time. After everything has been prepared, it's time for the frying process. Before frying make sure the dough and vegetables must be well mixed. Frying takes 10-15 minutes. The frying process is done 2 times so that the dough and vegetables are completely dry. After

frying, let it rest for 5-10 minutes so that the oil on the chips is reduced. Furthermore, the packaging process uses packaging that is pressed using a press machine.

Through this training activity, the skill level of youth has increased, especially in utilizing the existing natural resources in Mondoretno Village. This skill improvement if used properly can be a selling point and can be useful for entrepreneurial activities. The results of this community service activity, socialization and demonstration of the use of natural resources received a fairly good response from the people of Mondoretno Village. The benefit of the results of this community service activity is that in addition to being able to add to the positive activities of teenagers, this activity can also increase the skills of teenagers which can then produce added value which can then be sold.

Conclusions and recommendations

Utilization of natural resources in the form of training and demonstrations among the youth of Mondoretno Village can certainly be the first step to increase community empowerment, especially through how to manage natural resources so that they can be used as new products by improvising and innovating chips type snacks. This at the same time can also be an inspiration for people who want to open MSMEs, which in the future can also open up jobs for the surrounding community while increasing community economic activity.

It is recommended that there is a need for sustainability for activities like this so that teenagers and all communities can be more creative and always improve their creative ideas in creating products that have a high selling value from the abundant natural resources in this village.

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