

## **Socialization and Implementation Product Drinks Ginger Powder in Tugu Village, Mantup Subdistrict, Lamongan District**

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### **Abstract**

Tugu Village is one of the villages located in Mantup District, Lamongan Regency. Village monument consists from 2 Hamlet, that is Hamlet monument And Hamlet Hair. Area conditions Village monument is plain low with land productive Which used for rice fields. The economy in Tugu Village is very diverse and this can be seen in terms of the residents' livelihoods. Tugu Village Thematic KKN students will invite socialization to public For make product drink powder ginger. Product powdered drink ginger Can beneficial as warmer body And treat flu. Product This It is not only used as a body warmer during the rainy season, because ginger has many other benefits such as pain relief and increasing the body's immunity. By processing ginger into powdered ginger, the ginger will last a long time without the need for preservatives and is ready to be brewed whenever needed. Using the principle of crystallization which is based on utilizing the properties of granulated sugar (sucrose). return form crystal after melted. Method Implementation Which There are three stages, namely the Preparation Stage, the Counseling Stage and the Planning Stage. Activity This done so that public Village monument Can make knowledge about making powdered ginger drink as a business opportunity. The hope is also to improve the economy and welfare of the residents of Tugu Village.

**Keywords** : Village, Product, Socialization.

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## Introduction

Village monument is Wrong One village Which located in Subdistrict Great, Lamongan Regency. Tugu Village consists of 2 hamlets, namely Tugu Hamlet and Bulu Hamlet. The condition of the Tugu Village area is lowland with productive land in use For rice fields. Economy in Village monument very diverse And matter This can be seen from the perspective of the population's livelihood. In general, people's livelihoods Village monument This consists from farmer, Labourer building, self-employed, as well as power local employees such as teachers, health workers, official employees, and others. The majority of the population Village monument utilise the land For match plant paddy, corn, and sugar cane.

At this time in Indonesia the rainy season has occurred, so the majority of the population Village monument Which eyed livelihood as farmer do rice planting. Tugu Village is a lowland area close to the highland area in the Mantup area. This causes the weather during the rainy season to feel very cold, like in mountainous areas. So, in such a situation, Tugu Village KKN students will invite the community to make ginger powder drink products. Ginger powder drink products can be useful as body warmers and treating flu.

This product is not only used as a body warmer during the rainy season, because ginger has many other benefits, such as pain relief and increasing the body's immunity. According to Goulart (1995), ginger can be used to treat vertigo, nausea, motion sickness, fever, cough, moment menstruation, cancer,

And disease heart. Benefits Which Lots This means that this ginger drink can be enjoyed at any time, both in the rainy season and the dry season.

Drink powder is drink Which form powder or details fine which is made from spices and is usually served quickly by brewing. The advantages of powdered drinks are that they are more practical to serve, extend shelf life due to low water content, and have a smaller volume, making packaging and distribution easier. Characteristics of intermediate powder drinks other have flavor, smell, color, And appearance Which comparable with fresh products, have good nutritional characteristics and storage stability (Permata and Sayuti, 2016).

Ginger is a rhizome plant that is very popular as a spice and medicinal ingredient. Ginger has a scientific name ( *Zingiber officinale* ) which was first named by William Roxburgh in his book *Flora Indica* which was published in 1832 (Roxburgh 1832). Between plant herbs other, ginger is one of the most popular traditional medicinal plants dating back thousands of years. This cannot be separated from its benefits in maintaining health and reducing the symptoms of various diseases. When the weather is cold and rainy, people usually drink ginger drink to warm the body.

Ginger ( *Zingiber officinale* ), is widely known by Indonesian people. Ginger allegedly originate from area China south, And moment This cultivated in a way wide in the area tropical And sub tropical. Until moment This India is producer main ginger, with a harvest area of around 50% of the world's ginger harvest area. Ginger is

widely planted in several regions in Indonesia, including in plantations as an intercrop and intercrop in the Community Based Forest Management program. In several other places, ginger is planted only to meet needs House ladder. Ginger even grow in gardens in a way wild (De Guzman & Siemonsma, 1999; Rostiana et al., 2005; Duke et al., 2012).

Ginger is a perennial herb that is grown for its rhizomes. Pseudo stem ginger stunned in land as rhizome, And shoots as well as leaf go out in above ground And can reach tall 75 cm. In Indonesia, farmer know three type ginger, namely emprit ginger (small white/yellow ginger), red ginger, and elephant ginger (large white/yellow ginger). The three types are easily recognized and differentiated morphologically because of the appearance of their rhizomes. Emprit ginger has a small rhizome, temporary ginger elephant have rhizomes Which relatively big. Ginger red easily recognized because its rhizomes are red (Rostiana et al., 2005).

Ginger has pinnate leaves, narrow and elongated like ribbons, arranged regularly in two alternating rows. Panicle flowers emerge from the ground. The flowers are very attractive and easy to recognize with their yellow tubular flower crowns greenish. Lips colored flower crown purple dark with speckled yellowish white. The anthers of the flowers are purple with two pistils (De Guzman & Siemonsma, 1999).

The most widely used part of the ginger plant is the rhizome. Ginger rhizomes have been used as spices and medicines for a long time. Ripe and ready-to-harvest rhizomes are characterized by a fibrous and dry structure. Ginger give effect hot, And in Cook give effect delicious. Ginger can grow at an altitude of 600 to 1600 m above sea level. Ginger will grow at an environmental temperature of 23-36° C with sufficient humidity. However, exposure to sunlight should be sufficient and it should not be too dark because it will limit growth ginger. The land too wet with aeration Which bad will cause the ginger rhizome to rot.

Ginger Lots consumed as wedang ginger, However moment This Also Lots processed ginger like candy ginger And ginger powder Which practical. With process ginger into powdered ginger, the ginger will last a long time without the need for preservatives and is ready to be brewed whenever needed. The tools and ingredients for making powdered ginger are very cheap and easy to find, therefore KKN students at Muhammadiyah University of Gresik held a socialization on making powdered ginger drink which took place in Tugu Village, Mantup District, Lamongan Regency. The socialization of making powdered ginger drink is a form of community empowerment to be able to create simple businesses from agricultural products in accordance with the theme of this year's Thematic KKN, namely "*Empowering Community MSMEs through the Processing of Superior and Competitive Agricultural Products*".

## Method

### 1. Preparation phase

On stage preparation For stage activity socialization And product implementation drink powder ginger is with buy ingredients Which needed more formerly, like ginger And sugar. Before We socialize on PKK ladies, we practice making it first. This was done as a preparatory step so that the socialization and implementation could run smoothly.

### 2. Counseling Stage

At the outreach activity stage, we coordinated directly with PKK women in Tugu Village. We convey the aims and objectives of carrying out socialization activities and implementing powdered ginger drinks. PKK mothers were given motivation to be able to process agricultural products in the form of ginger which has many benefits.

Apart from that, PKK women were also given general overview material about processing ginger into instant powdered ginger drink. The first step is held for 1 hour for delivering the material. In the second step, they were given material on how to make a simple ginger powder drink, then implemented it by practicing making ginger powder drink directly.

### 3. Planning Stage

Stage planning activity This done with draft Which simple and with material Which easy obtained

as well as cost Which relatively cheap. As for The activity planning stages that can be carried out are as follows:

- Prepare equipment in provide training.
- Give material about efficacy ginger And ways of making ginger powder .
- Practice making drink ginger powder in a way direct.
- Process packaging product simply .

## Results and Discussion

### Implementation Level



**Figure 1.** Program carried out in Tugu Village, Mantup District, Lamongan Regency.

The target audience for this program is PKK mothers. The socialization program held by Thematic KKN students at Muhammadiyah University of Gresik in Tugu Village aims to increase the activity of mothers PKK as cadre in the environment And can beneficial for himself, his family, and the surrounding environment which can later be used as a business idea to form new MSMEs in Tugu Village. The implementation method used is as follows:

- Student prepare the means infrastructure And the

equipment used in making ginger powder drinks.

- Students carry out socialization and implementation of making ginger powder drinks.
- Moms PKK Village monument do practice making drink powder ginger.
- Accompaniment student in making drink powder ginger towards the people of Tugu Village.
- Evaluate results implementation making drink powder ginger.

The training and mentoring stage of this activity is carried out using method tutorials. As for systematic activity devotion This are as follows: Provide simple procedures for making ginger powder drinks in the recipe provided. The first step was the tutorial method, namely the people of Tugu Village were given material on how to make milkfish crackers. The second step, using the discussion method, is that the people of Tugu Village are given the opportunity to practice making milkfish crackers. Complete information about the products produced:

- Quality product So Which in want

Quality or quality product so you have to determined by producer, recorded and documented so that product quality can be measured, especially by those of us who produce it. Finished product standards include color,

appearance, texture, taste and packaging used. The table below is an example used For inspect quality product end Drink Ginger Powder.

To adapt to the products produced by IRTP in the field, it is necessary to fill in the Observation Results column obtained based on observations during the process production.

#### Stage Making And Process

Making instant ginger drink begins with preparing the ingredients, then the instant ginger drink production process is carried out. The main raw materials used To produce instant ginger drink, fresh ginger is old enough to be harvested. Ginger that has sufficient oleoresin content is aged more from 9 months. Besides That, Specifications for ginger that will be used in production include that it must be fresh, not rotten, and colored red in outside And yellow in in.

Other ingredients used are granulated sugar and water. Ginger is used in form fresh to take the extract and granulated sugar during the co-crystallization process will unite with sugar granules formed. The packer used on production drink ginger instant consists from packer primer (LDPE).

- Stages Production Results  
Ginger Powder

## Conclusion

Program that carried out is the result of observations has been carried out and has proceeded according to what was originally planned. The whole program ran smoothly. This success is due to several things, including the enthusiasm of the target community, scheduling that runs smoothly, adequate facilities, And environment Which support. With results production processing This ginger can be made into attractive and marketable packaging by marketing it to several people place, like through on line in media social And e-commerce as well as offline by being stored in grocery stores, pharmacies and convenience stores. This ginger processing production activity can provide direction, introduction to tools, and adjustments to production. This activity was carried out so that the people of Tugu Village could turn their knowledge about making powdered ginger drinks into a business opportunity. The hope is also to improve the economy and welfare of the residents of Tugu Village.

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