

## Socialization Of Community Knowledge Management About Pharmaceutical Products In Suka Damai Village, Langkat, North Sumatra

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### **Abstract.**

*Socialization of public knowledge management about pharmaceutical products aims to provide information as a form of dissemination in the form of education. This community service was carried out in Suka Damai Village, Langkat district, North Sumatra Province. The purpose of this community service is to provide and practice knowledge about pharmaceutical products through traditional medicines which are mixed from plant ingredients, animal ingredients, mineral ingredients, galenic preparations, or mixtures of these materials. Traditional medicine can be made into a simple product that can be made and practiced by yourself, for example roll on aromatherapy or commonly called freshcare which has many uses in everyday life. Apart from that, other products such as dry instant ginger drinks can also be consumed with various benefits. The use of natural materials can also be used as a way to open business opportunities. Thus, people gain knowledge and know how to make one of the health products that so far when they want to use it they have to buy it first.*

**Keywords:** Knowledge Management, Roll on aromatherapy and Ginger Dry Instant Drink.

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### **I. INTRODUCTION**

A profession that is dedicated to and knowledgeable about medicament is pharmacy. The term "profession" is derived from this concept and refers to a job (employment) that requires the possession of specific knowledge and is acquired through academic training, [1]. The health industry's pharmacy profession is in charge of the efficacy (quality assurance) of medications and their therapeutic application. Moreover, pharmacy offers services regarding the safe and appropriate/rational use of medications in order to accomplish a core objective, namely enhancing health. So, pharmacy must define a profession with a distinctive leadership approach, [2]. Pharmaceutical preparations include prescription drugs, over-the-counter drugs, and cosmetics. Medications are substances or mixtures of substances, including biological products, that are used to influence or research physiological systems or pathological states with the goal of diagnosing, preventing, curing, recovering, improving health, and providing contraception for people. Traditional medicines are substances or substances in the form of plants, animals, minerals, galenic preparations, or mixes of these substances that have been used for treatment for generations and can be utilized in accordance with social norms. Everyone has the right to fair and responsible health information and education.

Traditional medicine can be applied in pharmaceutical products as an easy-to-make, do-it-yourself product like roll-on aromatherapy, also known as freshcare, which has numerous applications in daily life. According to [3], aromatherapy is a recognized branch of complementary medicine with the goal of preserving human equilibrium. Its primary component is oil collected from the leaves, stems, and roots of plants. Also, individuals are exposed to a variety of odors every day through olfactory stimulation, which can cause physiological changes in mood, stress, and productivity. [4] further explained that employing aromatherapy items is a therapeutic method that makes use of essential oils to improve people's physical and emotional well-being. Sedative, adrenaline-stimulating, anti-bacterial, and antiviral qualities are some of its special pharmacological effects. According to [5], the development of aromatherapy products is favorable as a health product due to their numerous advantages. The added value of the product is anticipated to rise even more with innovative product development. The economics of the neighborhood can also be enhanced by the continued production of this commodity.

Ginger-based dry quick beverage that has several advantages. Using ginger oleoresin extract is one way to raise the economic worth of ginger in the pharmaceutical and healthcare industries. One method of processing ginger oleoresin is to turn it into an instant beverage. Instant beverages are prepared drinks that only need hot water to be consumed. People generally favor quick beverages because they taste better, [6] According to [7], ginger is frequently used in traditional medicine due to its qualities and capacity to ease indigestion, treat motion sickness, lessen pain and inflammation, treat migraines, prevent cancer, and improve the immune system. Also, using natural ingredients to make ginger can be a business opportunity to raise individual and collective incomes in the village. According to [8], Micro, Small, and Medium Businesses typically produce quick ginger beverages (MSMEs). According to [9], dried ginger items can be made into goods for small enterprises like homes and Micro, Small and Medium Businesses because processing does not require specialized technology (MSMEs). The following are the goals of the volunteer work done in Suka Damai Village, Kuala District, Langkat Regency, North Sumatra Province: 1) Teaching the locals how to make dry instant drinks and roll on aromatherapy. 2) Raising revenue in the neighborhood.

## II. METHODS

This community service activity is part of accompanying students at Nusantara Muslim University Al-Washliyah in Real Work Lectures which will be held in Suka Damai Village, Kuala District, Langkat Regency, North Sumatra Province in 2022.



**Fig 1.** Visit to the Kuala Sub-district Office, Langkat Regency, North Sumatra Province

The socialization of community work was accomplished by teaching people how to produce dry instant ginger beverages and roll-on aromatherapy items. What the benefits and uses are, how to use and consume it, what components are utilized, what instruments are needed, and the production process are all explained for the roll-on aromatherapy made with nutmeg oil and dry fast drink made from ginger. The product is then distributed to people so they can try it. In conducting the evaluation, each resident is encouraged to practice and complete it at home in accordance with the steps of the methodology that has been provided.

Surveying the site or village office where the work program would be presented was the first step, followed by making sure that the village head and other village officials had agreed on a time for implementation and who would be invited. The presentation was carried out by setting up the necessary tools and supplies, describing it as it was done in front of the audience, and then practicing it. The group assigned the tasks after breaking them down into phases and practicing them with a large group of people. In Suka Damai Village, Langkat, North Sumatra, the following were done in order to spread knowledge on how to make Roll-on aromatherapy:

1. Gather the necessary equipment, such as a small mortar, funnel, and storage containers, as well as the components champor, menthol, gandapura oil, and nutmeg oil.
2. Add the menthol and champor to the mortar and ground them until they are uniformly combined or homogenous. Then, add the gandapura oil and continue grinding. Finally, add the nutmeg oil.
3. Put the contents in each of the 10 roll-on bottle containers after they have been thoroughly mixed



**Fig 2.**The Process of Making Roll on Aromatherapy

By educating the general public on how to prepare dry ginger instant drinks,

1. Set up the equipment, including the gas stove, frying pan, and sutil. The materials include finely granulated sugar, ginger extract, cinnamon, star anise, and lemon grass.
2. Boil the ginger extract in a pan over medium heat until it boils, add the sugar gradually while stirring, and then add the cinnamon, star anise, and lemongrass. Once the ginger extract has dried and turned to powder, the powder is blended to make it finer before being sieved and placed in a plastic container.



**Fig 3.**The process of making ginger dry instant drink

### III. RESULTS AND DISCUSSION

There has been an increase in knowledge and comprehension of how to manufacture quick roll-on aromatherapy and dry ginger beverages as a result of the presentation of this community service work program. Before, consumers could only use roll-on, also known as freshcare, if they purchased it themselves. Several locals are interested in creating it themselves to make it more affordable after learning how to do so. Similar to how some residents can practice and manufacture their own daily dry instant beverages at home. They reported that the roll on or freshcare feels warm and has health advantages after using the goods we gave them. The individuals who have tried the dry instant drink said they prefer to prepare it themselves and will pursue a business opportunity to sell dry ginger instant drink as a means of generating more revenue for the residents of Suka Damai Village, Kuala District, Langkat Regency, North Sumatra Province.

### IV. CONCLUSION

Collage student mentorship programs for community service projects are a component of the service that the people of Suka Damai Village, Kuala District, Langkat Regency, North Sumatra Province, receive that is efficient and has an impact on their level of knowledge. The role of a pharmacist in pharmaceutical products has also been better understood by the general public thanks to this pharmacy job program activities, as well as general knowledge of pharmaceutical products. The community learns how to create one of the health goods they previously had to purchase in order to use it, and as a result, they have more understanding about it.

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