

PKM Development of Herb Business Traditional Buffer Area Forest Leuser

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ABSTRACT

The Tambar Malem group, which currently consists of housewives still producing traditional Karo concoctions. This group is located in Batu Katak Hamlet, Batu Jong Jong Village. Potions- potions produced by the Medicinal Plant Cultivation Group and produce it Becomes worthy for for sale moment it still is belong simple. Plant The ingredients cultivated are turmeric, galangal, kencur, bengle, temu Kunci, lemon grass, wake-up leaves. get up and other types. Materials are collected from the garden or purchased and then washed and cleaned then processed manually using simple tools such as machetes, knives and swallow. The nutritious rhizomes and leaves are chopped on the chopping board with a machete. After it is felt that these ingredients get the desired texture as a whole the ingredients are mixed into one so that the ingredients are evenly mixed. After this process, do it drying that still relies on solar energy to dry the material. that way is one of the process of making spray. The problems faced are the method of production, still using traditional methods. In production still use simple tools and manual so the amount of production is still small. Methods of implementation using education and counseling, and training. Solutions to partner priority problems from Aspect production ie with procurement and use of equipment. The result achieved is an increase in the quality of the herb product.

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INTRODUCTION

The COVID-19 pandemic hit the world which resulted in the closure of ecotourism in all districts Langkat and limited events that cause crowds such as weddings and traditional events other. This has a direct impact on the income of the people of [1] Dusun Batu Katak. Condition This makes people return to their original routine before Batu Katak became a tourist destination. Communities returned to relying on agricultural and plantation products that they worked on. conditions that thus making mothers who are members of The Tambar Malem group has a chance gold in cultivating herb plants as well as producing potion- efficacious plants become fit for sale for consumption. Potions produced by the Group Tambar Night in the form of spray, param, herbs, and oil [2].

Cultivation of herb plants and producing them to be suitable for sale and use is carried out The Tambar Malem Batu Katak group is still relatively simple. The Tambar Malem group planted plants that are efficacious herbs in the plot of land that they cultivate. Herb plant cultivated are turmeric, galangal, kencur, bengle, temu Kunci, lemongrass, and other types the one that can search around hamlet or fringe forest.

The herb plant seeds planted by the Tambar Malem Group were obtained from their respective gardens. each member but if the seeds needed are not available in their garden, then the Group Tambar Malem bought the seeds. From the planting period to the harvesting period arrives at each type different. For anticipate deficiency ingredient making potion, The Tambar Malem group buys materials from relatives or at the market. The cultivation of herb plants is differentiated with a distance and marked with a nameplate on each medicinal plant of the type of each agar plant make it easy in harvester when harvest time arrived [3] .

Inhabitant hamlet Stone Frog , Village Jongjong Stone _ Subdistrict Bahorok Regency Langkat majority Ethnic group Karo , adat customs and wisdom local Karo still maintained , wrong only one making potion traditional Karo already _ down hereditary [4] . Tradition make potion this Becomes wrong one power pull tour its own , which in the future before pandemic COVID-19 often visited by traveler abroad [5] . The Tambar Malem group which consists of moms house ladder until moment this still produce potion traditional karo . The ingredients produced by the Tambar Malem Group are in the form of spray, param, herbs and oil. Making potion traditional use materials from the plants around _ _ hamlet . Cultivating medicinal plants and producing them became feasible for for sale moment this still relatively simple. Herb plants that are cultivated are turmeric, galangal, kencur, bengle, temu Kunci, lemon grass, wake-waking leaves and other types [6] . Materials are collected from the garden or purchased and then washed and then processed manually using simple tools such as machetes, knives and swallow. The nutritious rhizomes and leaves are chopped above swallow with machete _ After tasting the ingredients, the desired texture is obtained, all the ingredients are mixed together so that the ingredients are evenly mixed. After this process , drying is carried out which still relies on solar energy to dry the material. This method is one of the spray-making processes.

development ecotourism Stone Frog is wrong one opportunity for open network communication and network marketing with party outside [7] . Traveler archipelago and traveler abroad already start interested medicine - medicine traditional [8] . this _ can walk side by side because ecotourism Stone Frog rely on natural panoramas and tradition which unique [9] . Aspect Production The problem in production is the limited tools in the potion-making process. Based on results observation and Interview with chairman group grab Malem , the problem is experienced partners is tambar malem group still very weak in Thing equipment in production potion traditional . Not yet capable implement technology appropriate To use for increase productivity and quality potion traditional . Destination devotion to Public this is as give understanding for group grab night about implementation technology appropriate To use related with there is a production process that is still manual or use tools simple.

METHOD

a. Stage Preparation

Stage Preparation, which conducted for prepare various Thing before To do activity which covers intertwine communication with partner, do studies preliminary (Field Survey), identifying each problems with partners and prepare a solution plan problem (Problem Solving) The preparation phase is coordinating with the place devotion Public in framework preparation training, setup modern production equipment and sealing machine packaging.

b. Stage implementation

This activity begins with notification to partners and continues with this PKM Activity Training consisting starting with a system survey packaging and marketing product . Socialization plan packaging and system marketing which will held in Service activities To Society. In accordance with the schedule that has been planned Process Implementation of activities September 2022. Process activity devotion To Public which consists election procurement of modern equipment for the production of potion ingredients. The implementation took place in Batu Katak Hamlet, Batu Jong Jong Village, Bahorok District, which is a buffer zone for Gunung Leuser National Park.

c. Evaluation

Group leader night star together member group attend activities. Settings the place already in accordance with plan which made and equipment which conducted for counseling already available and already used as should. Use language which used communicative in delivery use language Indonesia, understand Theory which already be delivered team devotion Public and could facilitating hearings during walk training and discussion.

RESULTS

Activity devotion Public this very role in field social society , goals main activity this is stay in touch which is very worship _ glorious , easy and bring blessing . Expected results _ with exists devotion to Public could cultivate a love to fellow man [10] . Role gotong cooperate very required . one _ characteristic inherent characteristics _ on Indonesian people and no could removed that is spirit gotong cooperate in helping others [11] . Member the Tambar Malem group have religious diversity , that is consists of Islam, Christianity and Buddha . Through the Tambar Malem group effort could run with good without differentiate one with other . Realization Justice social and unity in operate his efforts in receptacle group organization with vision develop effort .

On aspect production moment this is what it becomes weakness is lack of equipment for processing ingredient Becomes product as in Solution to problem production is procurement equipment form dryer chopper, mattress drying , gas stove , frying pan and spatula for processing materials potion so that produce more product _ good quality good from side hygiene and appearance potion [12] . Processing plant drug very important because good processing _ will produce healthy food _ [13] . If technology processing no Correct so result will toxic for man [14] . Technology processing plant Drug consists from a number of stages that is sorting , washing , draining or drying , storage and processing [15] . Sorting conducted after harvest on commodity plant medicine . Plant medicine taken _ leaves , rhizomes or tubers cleaned from dirt . Part existing plants _ harvested then separated from rotten parts , earth , sand _ nor sticking weeds _ must cleaned . There are several the resulting plants through tubers like ginger , turmeric , kencur . Besides from quality product expected quantity production also can improved .



Figure 1. The Karo Traditional Herb Production Process Using simple tools



Figure 2: Tubers Chopper Machine (For chopping ingredients in the form of tubers and rhizomes such as ginger, turmeric and others

Table 1. Types of Medicinal Plants and Their Efficacy

No	Name Local	Efficacy
1	Sabi Menci	Lust enhancer eat
2	Sepahaggan	Enter Wind
3	Celebrate Kumpa	Menstruation, Coral Wind
4	Amak-Amak	Hot In
5	Iron-Iron	Typhus
6	Bid Ipoh	Can Snake
7	follow Tempura	Wrong Tendon
8	gaten Tiger	Stamina

9	Saka Kampilet	step
10	Garang-Garang	Add eat lust
11	Celebrate Coral	Coral
12	Immune Push	Diabetes
15	Cep-Cepan	ulcer , Dysentery
16	Rumba lake	Enter Wind



Figure 3 : Food Grade Plastic Packaging Material (Standing Pouch) and Clip

Packaging product must made interesting and ensure hygiene and sterilization product until to hand consumer Repair in packaging product is procurement ingredient appropriate packer _ with type potion like bottles , plastic special food , and machine vacuum sealer. Understanding level and awareness Public about meaning importance education in framework form source power quality human beings in order to be able to follow development knowledge knowledge and technology (IPTEK) enough high .

CONCLUSION

Cultivation plant drug with types local still need observation which intensive so that besides benefit from side health could also excavated benefit in a manner economical especially as source income alternatives. Group Tamber night expected could Becomes wrong one mover effort based gender in Regency Langkat, North Sumatra. Associated Mothers _ _ _ in Group Tamber Evening which known very toughness in farming, with organization or Group farmer like this of course will more growing . hamlet Stone Frog is potential village _ for Becomes wrong one mover economy in the district Bahorok through material business base vegetation plant growing drug _ fertile in the area National Park support Mountain Leuser . Besides that also Potency supporting tourism _ traveler foreign and visiting domestics Becomes wrong means support wisdom local society.

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