



## **Empowerment Public Branch Village 2 Amban District In Process Results Agriculture Sweet potato bitch Become processed Which Worth Economical And Highly Nutritious**

**<sup>1</sup> Revisika , <sup>2</sup> Wiska Baharudin , Enik Maturrahman**

College of Teacher Training and Education (STKIP) Muhammadiyah Manokwari . I. Trikora  
Rendani, Anday, Arfai, Manokwari Regency, Papua Bar. 98312

\*Corresponding Author e-mail: [85revisika@gmail.com](mailto:85revisika@gmail.com)

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### **Abstrak**

Generally the farmers in the branch village 2 , Amban District, destination own results enough farming many of them is sweet potato creep , dive This This sweet potato only for sale raw and utilized as one food addition . Capabilities and skills possessed by farmers in process sweet potato bitch This in a manner general Not yet Not yet Lots so that activity planned training important for done. Activity community service this is for practice farmer sweet potato in process sweet potato become processed worth economical and nutritious. Partner in activitiesa This is inhabitant the people of village 2 in the Amban district. The implementation of community service PKM uses the *Participatory Rapid Appraisal* (PRA) approach with the stages of activities, namely 1) planning, 2) implementation, and 3) evaluation. kindly general activity devotion done with Good with indicator participation partners during activity reached 100%, an increase understanding and skills reach 90% and response partners to activity training reach 100%. activity dedication This Still need done in a manner sustainable especially in packaging and marketing from the products that are produced.

**Keywords:** Processing, Sweet Potato, Billiards Economical, Nutritious

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## **INTRODUCTION**

Branch Two Village, Amban District is one of the villages located in region amban, Regency Manokwari. Regency Manokwari is Wrong One districts in West Papua Province. Meanwhile, the distance from the city of Manokwari to branch village 2 about 35 km. Branch 2 village has agricultural land so give benefit Which big for public village branch 2. By Because That majority public village branch 2 own eye livelihood match plant in garden each.. Results agriculture Which Lots in village Branch 2 is sweet potato bitch, cassava/sweet potato wood, Taro, And vegetables. Plant tubers on generally cultivated as a plant source of carbohydrates in the garden and around the house (Tasminto, 2020; Yuliastuti et al., 2022). Community habits is to sell the tubers immediately after harvest in a fresh condition or consumed in moderation in the form of steamed sweet potatoes.

The public view that sweet potato and cassava is synonymous with the food of the middle and lower class people These tubers are less popular in the upper middle class society, because lack of knowledge so they can only cultivate tubers in a way boiled, steamed And fried. However presumption This No Correct, Because in Japan, Europe, And America Union,

sweet potato bitch have status food Which tall, in on material food potato. By Because properties Which positive the, sweet potato bitch rated very in accordance to support the food diversification program towards food self-sufficiency in the 21st century (Ginting et al., 2006; Marta & Tensiska -, 2013; Nurul & Gita, 2020). Problem Which faced farmer in field specifically group Woman in village branch 2 is on moment harvest highway are 1) partners Not yet have understanding and skills related with processing sweet potato become various varied preparations that have mark nutritious and valuable economical, 2) Price sell sweet potato raw Still belong low. Based on problem Which faced public village Branch 2, Amban so needdone something activity training For build And accompany public in village Branch 2, For can produce product food from sweet potato bitch Which own markhigher economical so that it can be used for morning or evening food at the village of Branch 2, Amban District. One way is to process sweet potatoes become a klepon cake. Mentoring and coaching training activities on society village branch 2 expected Also can increase soul entrepreneurship so that will be able to increase the income and welfare of the people in the branch village 2, district Amban.

The people in Kampung Amban, Manokwari have ample yards wide, Which Already used to they use For plant various plant for example vegetablesAnd tubers (Tasty bitch, sweet potato wood, Taro, etc). Utilization results garden Not yet utilized optimally, after the main harvest they only cook as needed and Most of it is sold in the nearest market. The results of the community's sweet potato garden only process with method fried, boiled And steamed, Because lack of knowledge the community of branch 2 village so there is no alternative for more processed products modern And made from base from sweet potato bitch. On moment observation, a number of inhabitant It is known that most of them immediately sell their garden produce, because they are tired of consuming it Everyday there is no new innovation for sweet potato processing. This is because it hasn't There is knowledge Which they know Good from book nor from training or from socialization, so it is necessary to hold training on the processing of sweet potato agricultural products become processed Which worth economical And nutritious tall to public village Branch 2, Amban district, so that the utilization of garden products, namely sweet potatoes, can be optimal, and worth community nutrition tall one. (Pebrian, 2019) state with done processing sweet potato bitch in form other foods such as noodles dry Eat will can increase mark sell .

Introduce processing sweet potato bitch become product processed other that is klepon Whichsimple and has good nutritional value and is useful for the local community (Aryo, 2019; Scholar et al., 2019; Rani et al., 2018) . Beside That, with give training to public village branch 2, Amba is expected to improve his skills and knowledge more in-depth about garden products, one of which is sweet potato that can be processed into various type product which food simple and easy in processing

## MET ODE IMPLEMENTATION

Devotion to community This carried out in the village branch 2, district Amban, implementation with use method implementation of PKM is with a combination of two community empowerment methods, namely *Participatory Rapid Appraisal* (PRA) or participatory assessment and *Participatory Learning and Action* (PLA) or a participatory learning/practice process.

The PRA community empowerment method is defined as a set of approaches and methods that encourage the community to participate in increasing and analyzing knowledge about life in the context of community conditions so that they can make plans and actions (Chambers, 1994) . Meanwhile PLA is carried out with a focus on socialization activities, lectures, question and answer discussions and guidance which are carried out interactively with the community and followed by *real actions or activities* that are relevant to community

empowerment material (Maragani et al., 2022). As for the stages are described in a manner detail as following;

1. Stage early, covers:

- a. Survey or observation and interview to place And head village, as well as a number of public village Branch 2, amban, Which will made as object activity devotion to public (PKM). Survey This function for get information related knowledge public in place the, related eye livelihood, as well as results biggest from village Branch 2. Matter This intended Forsuccess future community service activities
- b. Licensing to partner, team devotion to community (PKM), and at the same time ensure timetable implementation devotion to community (PKM).
- c. Coordination internal between team devotion, form making proposals and distribution job desk.

2. Stage execution, covers

- a. Introduction team service performed by the local village head as chairman partner.
- b. Counseling and training to public about utilization results garden become product Simple preparations, however \_ own mark economical and nutritious high.
- c. Counseling done with media assist power point, so public Can see Images type plant Which generated by garden public village Branch 2. Then public Can have ideas other For produce results his garden and can increase well-being society in village branch 2, Amba district.
- d. Practice making product cake the Klepon made from base sweet potato bitch
- e. Discussion And ask answer about problem Which related with results processed which already There is result cake klepon, and other alternatives from sweet potato bitch For results processed which still Lots Again kind.

## RESULTS AND DISCUSSION

Service activities to public about the use of sweet potatoes into processed food products has been successfully implemented, with indicator participation partners during activity reached 100%, an increase understanding and skills reach 90% and response partners to activity training reach 100%. This activity starts with a theoretical explanation regarding the benefits of sweet potato and its nutritional content, a brief explanation regarding verification sweet potato become cake klepon, manufacturing practices, as well as product displays as a form of motivation to participants. The training materials are arranged according to the needs and abilities of the participants who have limited knowledge about how to process sweet potatoes so as to produce processed products that have good characteristics and are marketable.

Submission of theoretical material to increase knowledge is carried out by lecture and question and answer methods. The materials provided are: a) nutritional content, benefits and potential of purple sweet potato b) utilization and diversification of processed sweet potato and packaging the good one. For more clear give me will served description general process activities on each stage.

1. Stage Beginning

Surveys that have been carried out at the same time to obtain related data results garden biggest public village branch 2, district Amban that is sweet potato bitch. based on results interviews with several residents of the branch 2 village, the average resident stated that the results sweet potato garden apart from being consumed in moderation on a daily basis, most of it is directly sold to the market, because they stated that they were getting bored with processed sweet potatoes they only know how to process, steam, boil and fry, the rest Not yet There is other alternatives.

## 2. Stage Implementation

In accordance with the schedule of activities that have been planned before, then this activity officially opened by the head of the village of Amban who really appreciated this activity. This activity was held at the meeting hall of the Amban village hall and was attended by women Mother and children the same age elementary school (SD).

Activity Implementation Making klepon cake made from yam base bitch This, before held practice Together, so given explanation formerly about various type benefit sweet potato bitch And various type processed product Which Can generated with material base sweet potato bitch. As for need and method in making cake call as following;

**Table 1.** Tools and materials making call sweet potato Purple

| Tool      | Material                    |
|-----------|-----------------------------|
| Knife     | Sweet potato bitch ung<br>u |
| Tool Mash | Flour Rice                  |
| Stove     | Sugar Sand                  |
| Pan       | Sugar red                   |
| Spoon     | Salt                        |
| Palstic   |                             |

Whereas For processing ingredients as following

- peel yams and wash clean Then steamed until gentle
- After in steam in destroy it with tool mash
- After destroyed given sugar sand and salt in shape round
- Already formed then filled-sugar red until dough finished new boiled until float
- After That in lift and in sprinkle with coconut scar
- Ready in serve and enjoyed call sweet potato bitch purple (Situmorang, 2020)

Implementation of this community activity aims to educate the public about utilization results garden Which Can made product processed simple And still own markeconomical and highly nutritious. Education is carried out in the form of lectures, giving material about the benefits of various kinds of sweet potatoes. Furthermore, the speaker conveyed several types of sweet potatoes bitch, as well as benefit for nutrition and function for body health.

The implementation of this service activity was attended by participants of women and children with great enthusiasm. At the discussion stage, the speaker then mentioned several types sweet potato bitch along characteristic features And content nutrition Which there is on sweet potato bitch. Participant welcomemention the types of sweet potatoes in the community gardens. At the end of the activity, asked questions answer. This serves to see how much the participants' understanding of the species types of sweet potatoes and alternative processed products that they want to practice directly at home each.

From results discussion Together inhabitant village amban, Manokwari Which has done, then the result is that there is an increase in knowledge up to 100% DNA Skills reach 90%. Another Indicator of Success activity devotion This seen from exists participation and response to activity reach 100%. This show that society very nice need training and coaching in matter processing results agriculture Good form sweet potato or something else .

This activity was considered effective by the participants (based on the results of the evaluation), so further activities should be carried out to introduce other processed purple sweet potato products. Besides, partners create demonstration areas for planting purple sweet potato to attract farmers to plant purple sweet potato and cultivate it continuously. If the area already has purple sweet potato potential, it will be easier to procure raw materials for various processed purple sweet potato products. If this activity is carried out regularly, it is hoped that people's interest in the world of agriculture and processing of agricultural products, especially

marginal areas, can continue to be developed, so that the welfare of farmers in the future can be increased and the formation of a *home industry* for processing agricultural products

## CONCLUSION

Search general activity devotion succeed implemented matter This seen from the achievement indicator the targeted goal like enhancement participation partners, understanding and skills in processing sweet potato catch , and respond partners to very activity. Activity community service (PKM) has a positive impact on improvement knowledge para participant. in the future, para participant devotion to public (PKM) This need done follow-up For see change behavior after getknowledge about the use of sweet potatoes as processed products that can produce various kind of cake .

## RECOMMENDATION

It is hoped that with this community service activity (PKM), partners can take advantage of other garden products in the village of branch 2, Amban, for efforts repair well-being whole public To use reduce dependency on purchase product Ready serve. With exists various type alternative processed Which generated from garden Alone, can beneficial For relieve burden economy family as well as can preserve this local wisdom to next generation.

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## BIBLIOGRAPHY

- Aryo, K. P. (2019). *SUBSTITUSI TEPUNG UBI JALAR UNGU TERHADAP SIFAT KIMIA DAN PENERIMAAN KLEPON* [Bachelor, Universitas Widya Dharma]. <http://repository.unwidha.ac.id:880/1678/>
- Cendekia, D., Rani, H., & Afifah, D. A. (2019). PENGARUH SENYAWA ANTIOKSIDAN DALAM PEMBUATAN KLEPON UBI JALAR. *Jurnal Analis Farmasi*, 4(1), Article 1. <https://doi.org/10.33024/jaf.v4i1.1303>
- Chambers, R. (1994). The origins and practice of participatory rural appraisal. *World Development*, 22(7), 953–969.
- Ginting, E., Antarlina, S. S., Utomo, J. S., & Ratnaningsih, R. (2006). Teknologi Pasca Panen Ubi Jalar Mendukung Diversifikasi Pangan dan Pengembangan Agroindustri. *Buletin Palawija*, 11, 15–28. <https://doi.org/10.21082/bul>
- Maragani, M. H., Tampara, J. A., & Lempas, R. (2022). Mendorong Kapasitas Ekonomi Masyarakat melalui Pemberdayaan Kelompok Usaha Mikro, Kecil dan Menengah (UMKM) di Kawasan Wisata Bahari Desa Lilang. *DEDICATIO: Jurnal Pengabdian Kepada Masyarakat*, 3(1), Article 1.
- Marta, H., & Tensiska -. (2013). PEMBUATAN BERBAGAI PRODUK UBI JALAR DALAM UPAYA DIVERSIFIKASI PANGAN DAN PENINGKATAN GIZI MASYARAKAT DI DESA SEKARWANGI DAN DESA CILANGKAP KECAMATAN BUAHDUA KABUPATEN SUMEDANG. *Dharmakarya : Jurnal Aplikasi Ipteks Untuk Masyarakat*, 2(2), Article 2. <https://doi.org/10.24198/dharmakarya.v2i2.8220>
- Nurul, I., & Gita, A. (2020, July 2). *Ubi Jalar Jadi Bahan Utama Diversifikasi Pangan*. Republika Online. <https://republika.co.id/share/qcu6ja423>
- Pebrian, S. (2019). *FORMULASI PEMBUATAN MIE KERING DENGAN SUBSTITUSI TEPUNG UBI JALAR UNGU UNTUK MENINGKATKAN NILAI EKONOMI* [Diploma, Universitas Negeri Makassar]. <http://eprints.unm.ac.id/14868/>

- Rani, H., Cendekia, D. C., & Afifah, D. A. (2018). Pemanfaatan Senyawa Antioksidan Ubi Jalar (*Ipomoea Batatas*) Pada Pewarnaan Produk Klepon. *Prosiding Seminar Nasional Pengembangan Teknologi Pertanian*.  
<https://doi.org/10.25181/proseminas.v2018i0.1185>
- Situmorang, D. A. (2020). *Proses Pembuatan Klepon Ubi Ungu Sebagai Produk Jajanan Pasar di Pastry Kitchen Hotel Grandhika Setiabudi Medan* [Thesis, Universitas Sumatera Utara]. <https://repositori.usu.ac.id/handle/123456789/27051>
- Tasminto, D. (2020). *PENGARUH LEVEL EKSTRAK UBI JALAR UNGU (*Ipomoea batatas* L.) SUMBER KARBOHIDRAT TERHADAP KINETIKA FERMENTASI DAN PRODUKSI ASAM LAKTAT OLEH *Lactobacillus paracasei** [Universitas Gadjah Mada]. <http://etd.repository.ugm.ac.id/penelitian/detail/191883>
- Yuliasuti, E., Fauziyyah, A., Radiansyah, M., Rismaya, R., Ulfah, M., & Nur Hakiki, D. (2022). *KOMODITAS UMBI-UMBIAN SEBAGAI ALTERNATIF SUMBER KARBOHIDRAT* (pp. 331–355).