

# PEMBERDAYAAN MASYARAKAT DALAM USAHA PRODUKSI INULIN BERBASIS UMBI-UMBIAN LOKAL SEBAGAI BAHAN DASAR OBAT

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## ABSTRACT

Local tubers in Indonesia is very diverse, but not yet maximally its processing efforts, generally only boiled for consumption and sold in the form of raw materials in the form of bulbs, which are not durable in storage. Generally has a relatively low selling value and less can improve the family economy optimally. This requires knowledge, skills and assistance for the community, especially in rural areas to be able to process crops, especially local tubers into more useful products, more durable in storage and has a relatively high selling value so as to improve the family economy optimally.

Local tubers can be processed into more useful products, have relatively higher selling points, and relatively longer storage times. Local tubers can be processed into flour, either through fermentation or non-fermentation, then it can be developed into various processed products whose selling value is relatively higher, for example processed into foods such as bread and cakes, cosmetic ingredients such as powder, membrane material, and others. "Inulin" is a component in the flour of local tubers that are prebiotic, which can be used as a medicine. In this activity, the provision of knowledge, skill and assistance to the community of Krajan Wedomartani Ngemplak Sleman is related to the processing of local tubers into more useful products, has relatively high selling value, and relatively longer storage time, i.e. fermented flour and unfermented product and extraction of inulin content, a bioactive compound which can be used as a basic ingredient of diabetic medicine.

The participant of empowerment are mothers which represents each woman organization at Krajan Wedomartani Ngemplak Sleman. Yield of fermented flour with raw material of cassava, *Dioscorea alata* L. syn. *D. atropurpurea* Roxb., and purple sweet potato (*Ipomoea batatas* var *Ayumurasaki*) and inulin extract from *Dioscorea alata* L. syn. *D. atropurpurea* Roxb. respectively are 52%, 43%, 40%, and 7.47%. The result shows that mostly of the empowerment participant stated that the activity is very useful, good presentation, good method of delivering, and very helpful to open their insights.

Kata Kunci: *Rural community empowerment, local tubers, inulin, product with relatively high price, and longer storage time*