

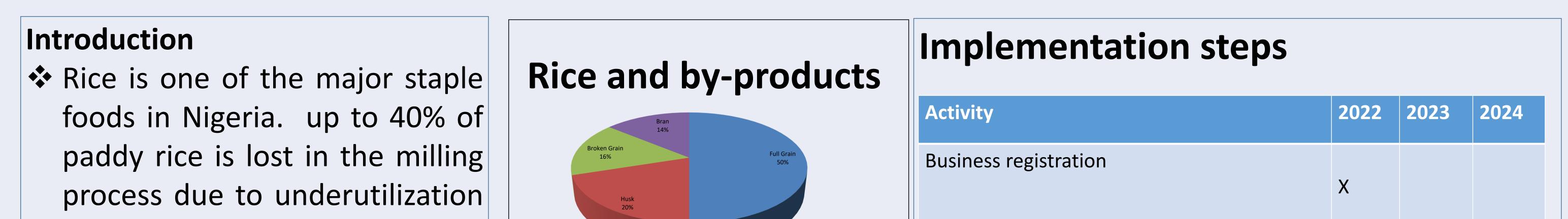




# **PROCESSING AND PACKAGING OF RICE FLOUR FROM BROKEN RICE IN MAKURDI, BENUE-NIGERIA**

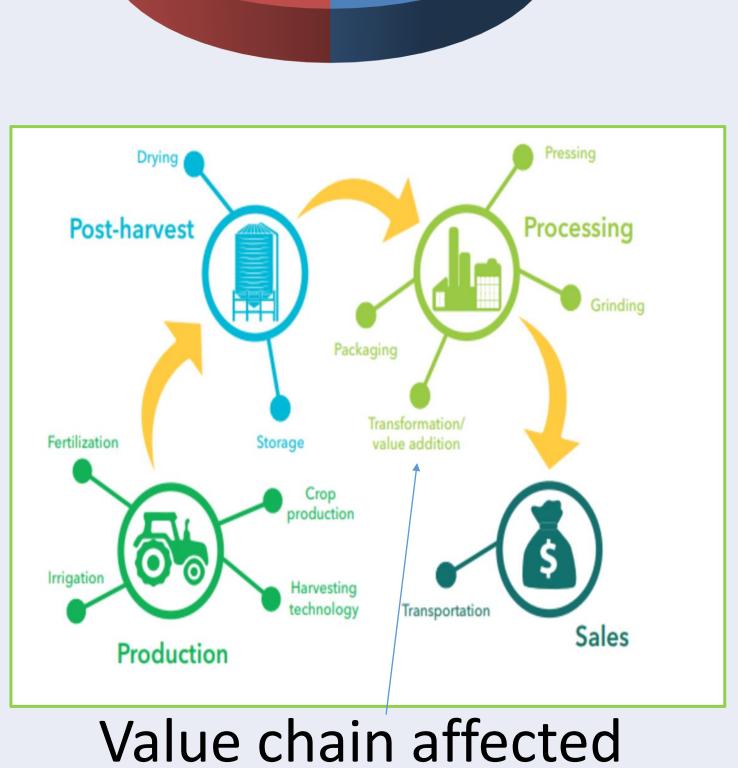
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of the by-products

- The by-products of rice are broken rice, the husk, and the bran layer
- Being able to utilize these byalternative products in industries would, therefore, the yield and improve sustainability of rice production



Training and safety education for workers	Х	Х	
Renting of building		X	
Purchasing of machines and equipment		Х	
Sourcing for raw material		Х	Х
Processing and packaging of rice flour		Х	Х
Certification			Х
Marketing			Х
Training for paddy rice processors			Х

## **Objectives**

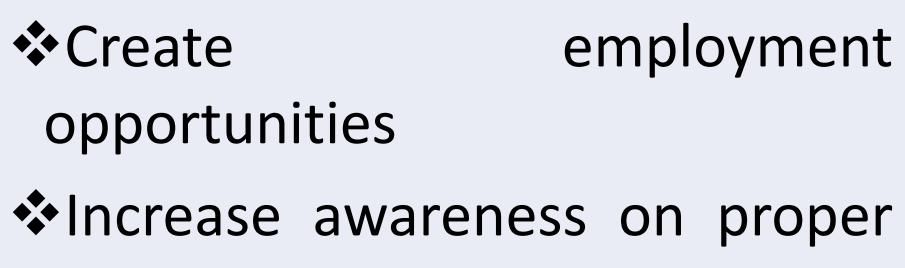
Value addition to Broken Rice Increase food availability and affordability

## Conclusion

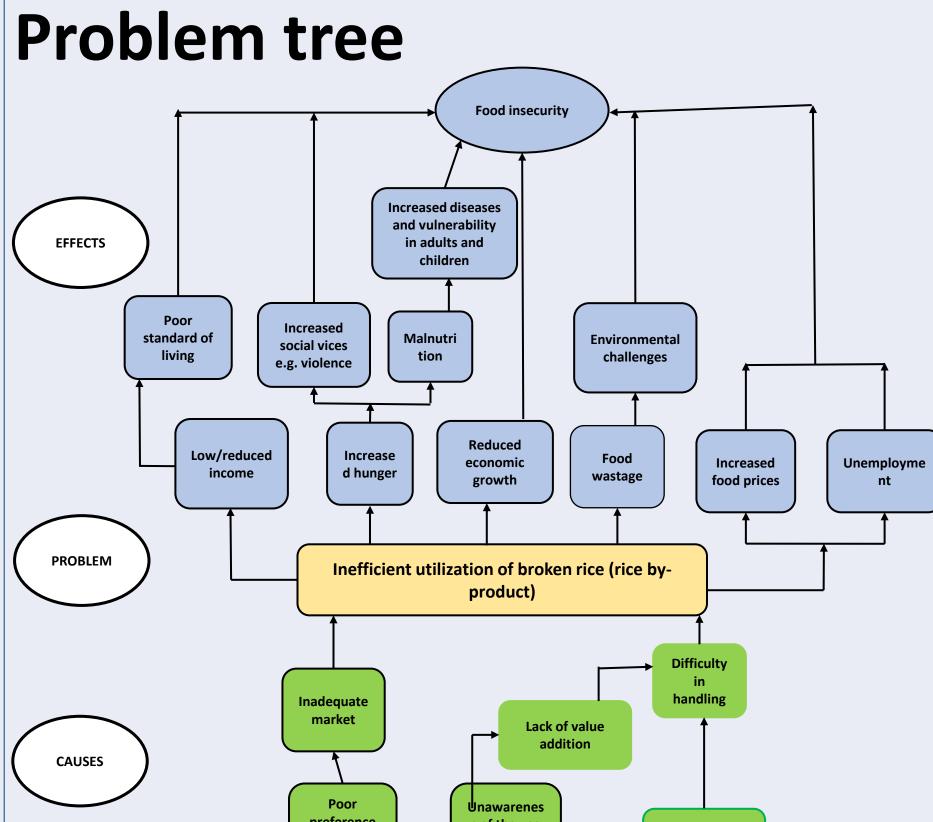
As paddy rice goes through the milling process to produce edible by-products kernels, rice are generated such as Broken Rice, Rice husk and Rice bran. Medium and large rice mills generate 10 to 15% broken kernels and this can be as high as 25% in small mills. The effective utilization of Broken Rice will increase sustainability in rice improve production and food security.

#### **Expected costs**

Cost	Euro (€)
<b>Business Registration</b>	200
Training and safety education	100



utilization of Broken Rice



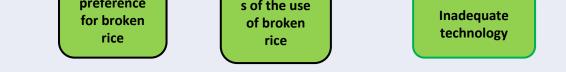


Total	16,350		
Operating cost	2000		
Rice processor's training	3000		
Marketing	100		
NAFDAC registration	150		
Packaging materials	100		
Broken rice	200		
Machines and equipment	9000		
Renting of building	1500		

#### **Expected outcomes**







#### **Possible risks**

- Unfavourable government policy
- Poor economic conditions
- Competition from other flour industries
- Seasonality of raw material
- Inadequate funding

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# **Project area**

