



**APPLICATION OF  
JUNCAO TECHNOLOGY  
IN PAPUA NEW GUINEA  
EASTERN HIGHLANDS PROVINCE**

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Juncao Technology is a very simple technology that is easily accepted and adapted by the local communities.

In PNG, it is a cottage industry that is done within the vicinity of their home.

# 1. Juncao Grass Planting



The highest annual yield of fresh Giant Juncao grass reaches **853 tons/hectare**.

## 2. Mushroom Production



Milling



Packaging



Inoculation



Incubation



Trench cultivation



Fruiting

## 2. Mushroom Production

**10m<sup>2</sup>** mushroom trench

= **300kg** fresh mushroom \* **4** seasons

= **1,200kg** fresh mushroom per year

Fresh mushroom sold at **15-60 Kina/kg**

Income: **18,000-72,000 Kina** a year





# 3. Livestock Farming



Cut & Carry



Rotation Grazing

## 4. Juncao For All

- Family unit
- Women & youth
- People living with disability





# 5. Community Achievements

- Formation of 4 Women's Associations
- Healthy community with healthy nutritious diet.
- Malnutrition dropped from 80% -55% in a year.
- Community being economically independent
- (Income: 5,000-80,000 PNG Kina)

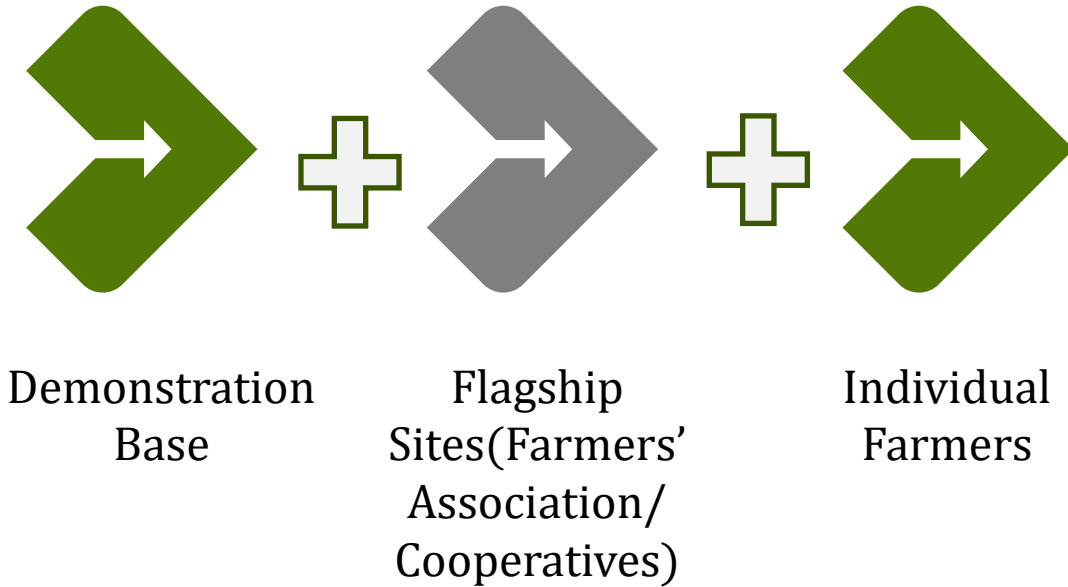


# 6. Individual Achievements

Women farmers: Korarome Freda and Patricia Vira



# 7. Extension Model



Easy to Learn, Easy to Practice, Easy to Succeed



**Thank you!**