

# Growth performance of African Catfish (*Clarias gariepinus*) fed differently processed High Quality Cassava Peel (HQCP) in Nigeria

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## Introduction

- Nigeria produce over 60mt of cassava and generate about 14mt of cassava peel (waste) annually
- High cost of feed is a major Problem facing aquaculture production
- Therefore, Cassava peel which causes environmental pollution will be used as fish feed

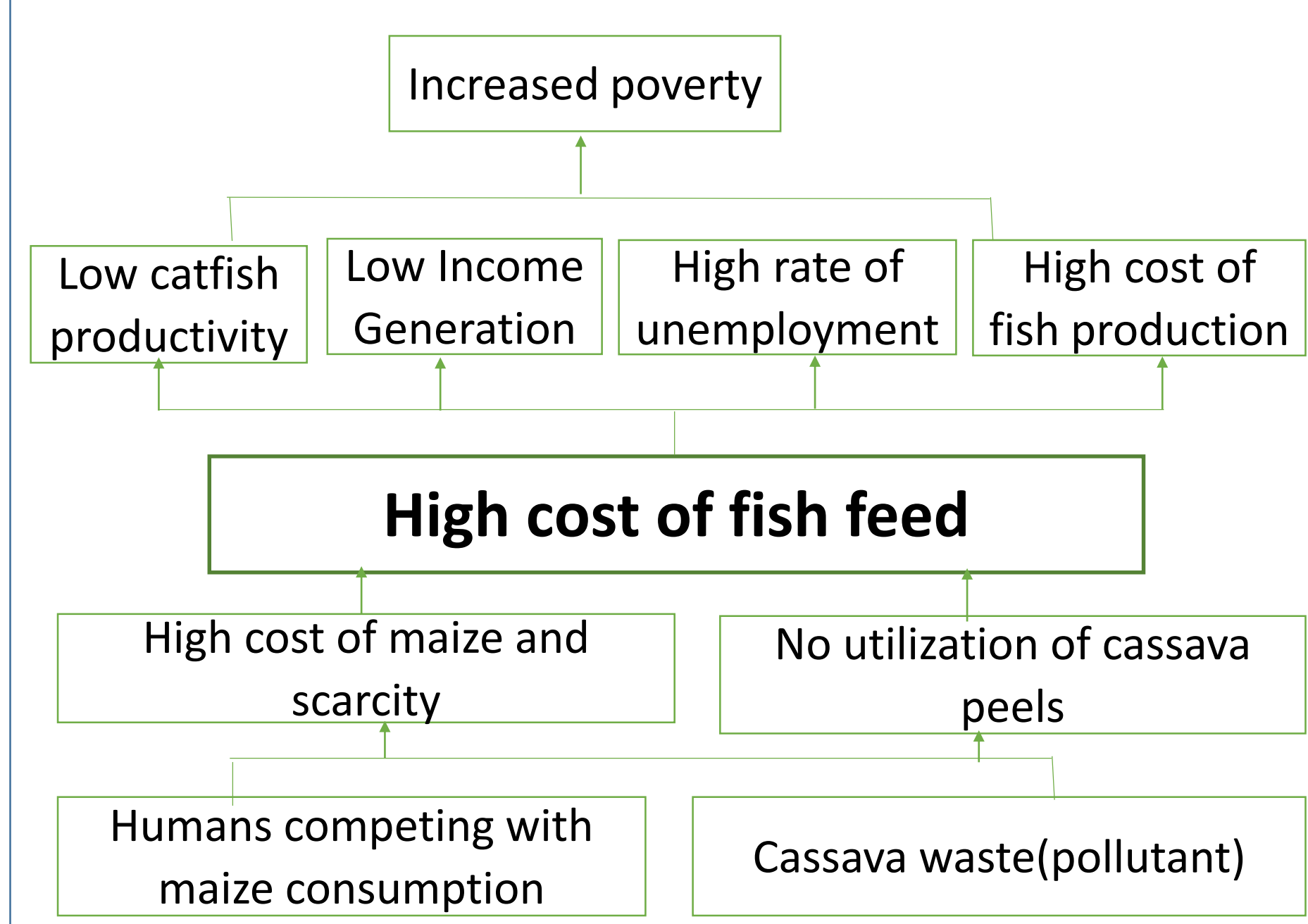
## Objective(s)

**Major Objective:** Improve aquaculture production through production of high quality cheap feed

**Specific Objectives:**

- Reduce fish production cost
- Reduce environmental pollution
- Increase job and income for youth and women especially

## Problem Tree



## Possible risks

- Cost of technology investments
- Emerging competitors
- Diseases and epidemics



**Cassava Tuber**

**HQCP**



**Cassava peels**

## Implementation steps

### Step 1

- Setting up production center
- Procurement
- Production by:
  - soaking
  - boiling
  - autoclaving
  - conventional methods

### Step 2

- Testing result with juveniles
- Monitoring and evaluation
- Training
- Packaging
- Marketing

## Conclusion / Highlights

- Quality cheap Fish feed produced with HQCP
- Reduced environmental pollution
- Job opportunities for unemployment youths
- More Income for processors (85% women) and fish farmers
- Best feeding trial result will be recommended



**Pelleted feed**

**Packaged feed**



**African Catfish**

## Expected costs

Items	Cost (Euro)
Processing building	8000,00
Machines/ Equipment	7.570,55
Other Inputs	3.000,00
Total	18.570.55
Miscellaneous	928.528

## Expected outcomes

- Increase in Aquaculture production
- Reduced environmental pollution
- Increased income of farmers and women processors
- Fish processing industries will increase