

- Assessment of performance of aquaculture enterprise at ARU

Back ground

- There is a fish deficit of fish in Kagadi evidenced by the high prices
- The population needs fish for their dietary needs
- Natural Water sources are getting depleted for earthen ponds
- Ferro – cement fish production is likely remedy
- There is how ever need to assess fish performance in such ponds
- The purpose of this project is study performance of tilapia fish in ferro – cement ponds at ARU
- The aim is to generate info for increased fish production for nutrition improvement in Kagadi district

Objectives

- Growth rate per of fish per month measured.
- Carrying capacity of fish per square feet of a fish pond in local area setup determined.
- Local food sources of fish feed determined.
- To determine the costs and benefits of fish farming in Ferro-cement ponds

Summary of methods

Objective	Data required / variables	Method/technique	Data analysis
Growth rate per of fish per month measured	Weight of fish Size (Length, girth) of fish	Sample randomly and weight / measure	Descriptive statistics ANOVA
Carrying capacity of fish per square feet of a fish pond in local area setup determined	Number of fish per unit volume of water No. of fish per unit area	Census at harvest	Descriptive statistics
Local food sources of fish feed determined.	Types of fish feeds Suppliers of fish feeds Quantities packaged Prices per unit quantity	Key informant interviews	Content analysis (qualitative)
To determine the costs and benefits of fish farming in Ferro-cement ponds	Costs of inputs Revenues of fish and other products	CBA method	Descriptive stats

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Outcome : 1 Research on fish farming generated and published by 30th April 2020

Accountable	Activity	Due date
VC	Publication	10/04/2020
Researcher	Manuscript writing	12/02/2020
Researcher	Data analysis and report writing	25/01/2020
Researcher	Data collection	05/12/2019
Researcher	Setting up experiments	
PO	Procurement of materials	
VC	Approval of the concept and proposal writing	25/04/2019
Researcher	Concept writing	20/04/2019

Current reality; The project concept document is available, 3 researcher with experience in fish farming, Land is available