

BUSITEMA UNIVERSITY

FACULTY OF NATURAL RESOURCES AND ENVIRONMENTAL SCIENCES

**BACHELOR OF SCIENCE IN FISHERIES AND WATER RESOURCES
MANAGEMENT**

**COMMUNITY PERCEPTION TOWARDS ADOPTATION TO POND AND CAGE
CULTURE FARMING SYSTEMS: A CASE OF NAMASAGALI SUB COUNTY,
KAMULI DISTRICT BY**

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BU/UP/2016/277



**A DISSERTATION SUBMITTED TO THE FACULTY OF NATURAL RESOURCES AND
ENVIRONMENTAL SCIENCES IN PARTIAL FULFILLMENT FOR THE AWARD OF
THE BACHELOR'S DEGREE OF SCIENCE IN FISHERIES AND WATER
RESOURCES MANAGEMENT**

JUNE 2019

DECLARATION

I, MPASA REGAN, do declare that this research report is my original work. The information given in this report has been prepared by me and references were made purposely for external information cross reference only. It is my original report and it has never been submitted to any institution of higher learning. I, therefore, take full responsibility for any errors that may arise in this work as a result of omission or otherwise

Signature,

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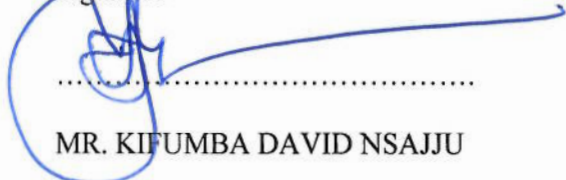
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APPROVAL

This is to certify that the work titled "Community perception towards adaption to pond and cage fish farming systems, a case study of Namasagali sub county, Kamuli District" has been done under my supervision and is now ready for submission to the faculty of Natural resources and environmental sciences of Busitema University

Signature



MR. KIFUMBA DAVID NSAJJU

Supervisor

Date

4/7/2019

DEDICATION

I would like to dedicate this report to my beloved mothers Mrs. Namwase Faith , Sr. Namwase Thereza and Mrs. Akasiba Russia for taking care of me and the financial and the their moral support.

I also dedicate this work to my sisters Kalekwa Resty and Babirye Phiona, my brothers Mpsa Joel and Waidha Livingston without forgetting Alimufunawa Brian, Twali Julius and My Uncle Mr Nabongho Emmanuel

Above all , this work is dedicated to the almighty God who gave me the gift of life and has been with me through all hardships.

ACKNOWLEDGEMENT

I would like to appreciate the almighty God, the giver of life who enabled me in the completion of this dissertation successfully.

I extend my heartfelt gratitude to my family which has provided me with all spiritual, moral, financial and friendly support that inspired me to be the person that I am today. Wish you all the best in life.

I also extend my sincere gratitude to all my friends especially, Mugeni Bairon, Oloya Lawrance Kabila, Kwijjuka Ivan, Opia Fred, Erumbi Gloria Ouma, and all my classmates, May the Almighty God reward you abundantly.

Lastly, I wish to extend my sincere gratitude to my supervisor, Mr Kifumba David Nsajju for the Support, Supervision and guidance that enabled me to successfully complete the Proposal writing, Data collection and report writing. Thank you very much for wise encouragements.

LIST OF ACRONOMS AND ABBREVIATIONS

MAAIF	Ministry of Agriculture Animal Industry And Fisheries
NEMA	National Environmental Management Authority
FAO	Food and Agricultural Organization
UBOS	Uganda National Bureau of Statistics
NAFIRRI	National Fisheries Resource Research Institute
DRC	Democratic Republic Of Congo
BC	Before Christ
BBC	British Broadcasting Cooperation
GDP	Gross Domestic Product
USAID	United States Agency For International Development
NARO	National Agricultural Research Organization
DFID	Department For International Development
NIPAPs	National Investment policy for Aquaculture Parks
GAFRD	General Authority for Fish Resources Development
Aps	Aquaculture Parks
KDLG	Kamuli District Local Government
DFO	District Fisheries Officer

DEFINITION OF KEY TERMS

River / river system. Natural streams of water flowing in channels and emptying into larger bodies of water.

Community. A society of people having common rights, privileges or interests

Perception is the organization, identification, and interpretation of sensory information in order to represent and understand the presented information, or the environment

Fish farming adoption, refers to shifting from other activities to start fish farming

A cage is an enclosure having some openwork for confining

A pond is an area filled with water, either natural or artificial, that is smaller than a lake

A system is a collection of elements or components that are organized for a common purpose

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ABSTRACT

Fish farming in Uganda has to become a priority in Uganda due to everyone next to a permanent source of water as the only solution to the increased demand for food due to population growth and declining catches from water bodies

The study aimed at increasing awareness of the community people about relevance of fish farming in the area considering poverty levels, employment rate and abundance of labour force mostly among the youth

The study was conducted from Kamuli district, Namasagali subcounty aiming at increasing on the quantity of fish farmed from the River Nile and Nalwekomba wetland to add on the quantity harvested from the wild through increasing adoption fish farming

The study assesses the community perception towards fish farming systems with in Namasagali sub-county and establishing reasons for continued use of current fishing methods among fishermen on open waters in Namasagali fishing area

Data was collected by use of questionnaires and analyzed using excel software because it was the best to produce the required output in form of pie charts and graphs

People of Namasagali subcounty are aware about pond and cage fish farming systems but sensitization about these fish farming systems is lacking

People attained primary level as highest academic qualification mostly and are highly engaged in fishing, rice growing and animal rearing mostly

CHAPTER ONE

1.0. INTRODUCTION

1.1. Background

1.1.1. What is fish farming?

Fish farming follows under the broad term aquaculture

Fish farming/pisciculture involves raising of fish commercially in tanks or enclosures such as ponds, cages usually for food (FAO 2014).

1.1.2. What is aquaculture?

Aquaculture refers to the farming of aquatic organisms including fish, mollusks, crustaceans and aquatic plants in a controlled environment such as earthen ponds and cages (FAO 1988).

1.1.3. Global aquaculture output

The leading countries that include, China, Indonesia, India, Vietnam, and Philippines produce 58.8, 14.4, 4.9, 3.44 and 2.3 million metric tons annually respectively (FAO 2016).

1.1.4. Global Origin of aquaculture

Aquaculture originated around 500 BC in the Romans who farmed oysters and fish, whereas freshwater aquaculture developed some 1000 years earlier in China with Farming Carp in ponds, which is also when mussel farming began (The History of Aquaculture, 2019)

1.1.5. Farming in ponds through the ages

From the written literature the earliest evidence of pond farming dates back before 1000 BCE in China with the Zhou dynasty (1112-221 BCE) that first started by carp farming for food then after turned to the Cyprinidae family that marked the first form on (The History of Aquaculture, 2019)

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