



BUSITEMA UNIVERSITY

FACULTY OF NATURAL RESOURCES AND ENVIRONMENTAL SCIENCES

**CLIMATE CHANGE MITIGATION OPTIONS BY THE COMMUNITY
A CASE STUDY OF NAMASAGALI SUB-COUNTY COMMUNITY, KAMULI
DISTRICT**

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**A RESEARCH REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE
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DECLARATION

I, LWANGA DERRICK, do declare that the work presented herein is original, and has not been submitted for any other degree award to any other university.

Candidate's Name: **LWANGA DERRICK**

Signature:

Date:

APPROVAL

This is to certify that this research has been done under the supervision of:

..... Date.....

Mr. SSUUNA JAMES

(Supervisor)

DEDICATION

This report is dedicated to my beloved Mother, Ms Busingye Anne, Grandmother, and Ms Busingye Eunice whose encouragement and selfless sacrifice enabled me to obtain University Education.

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Above all, I would like to thank my God for his untold and all time grace that gave me enthusiasm to start and finish this report work.

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LIST OF ABBREVIATIONS AND ACRONYMS

GHG	Green House Gases
IPCC	Inter-government Panel on climate change
NAMAS	Nationally Appropriate Mitigation Actions
UNAPA	Uganda National Adaption Plan of Action
UNFCCC	United Nations Framework Convention on Climate Change

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ABSTRACT

This study uses Namasagali Sub-county; as a case study in investigating the climate change mitigation options by the community with emphasis on; how climate change has affected the people, the contributing factors to climate change, and the measures to mitigate the effect of climate change. The study uses semi-structured interview guides to collect data from the community, secondary data from published reports, journals, books, and conventions. The study revealed that climate change imposes many effects on livelihoods of the people living in Namasagali, including drought and heavy precipitation. Furthermore, the existing local and institutional strategies are not sufficient and sustainable to cope with climate stresses; people's adaptability is constrained by unavailability and expensiveness of agricultural inputs, unemployment, land scarcity pests and diseases to crops and animals and water shortages in the Sub-county.

This study suggests persistent need to address these challenges both short and long-term policy perspective by the people, government and institutions. Undertaking Climate-smart agriculture provides a framework for putting in place comprehensive policies, adequate institutions and proper governance to implement sustainable, climate-sensitive development strategies.