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**THE LEVEL OF ADOPTION OF NEW GROUNDNUT ROSETTE RESISTANT  
VARIETIES BY FARMERS IN BUYENDE DISTRICT-KAGULU SUB COUNTY**

**BY**

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**A RESEARCH REPORT SUBMITTED TO THE DEPARTMENT OF  
AGRICULTURE IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR  
THE AWARD OF A BACHELOR'S DEGREE OF SCIENCE AND EDUCATION OF  
BUSITEMA UNIVERSITY**

**2020**

## **DECLARATION**

I KUTEESA SARA, hereby declare that this research report on the assessment of the level of adoption of new rosette resistance varieties of groundnuts by farmers in Kagulu sub county Buyende district-Uganda is my original work and has never been presented for any award of any degree in any other institution of learning.

Signature.....

Date .....

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## **APPROVAL**

This research report on the assessment of the level of adoption of new rosette resistant varieties of groundnuts by farmers in Kagulu Sub County, Buyende district has been submitted with my approval as the candidate's university supervisor

Signature .....

Date .....

**MR. ONGUA FANUEL (SUPERVISOR)**

## **DEDICATION**

I entirely dedicate this work to my beloved parents (Mr. NAIKA PAUL and Mrs. KUGUMINKIRIZA MATAMA) who have sacrificed a lot and provided constant support and encouragement throughout my life and putting tireless efforts both financially and emotionally until completion of this research work and my academics as well. May the Almighty bless them abundantly.

## **ACKNOWLEDGEMENT**

I wish to express my sincere gratitude and thanks to the Almighty God whose power and wisdom have made it possible for me. Secondly to my supervisor ONGUA FANUEL for the tireless guidance, assistance and mentorship rendered to me through the process of completing this work. You have been so kind and supportive even when I almost gave up.

Special thanks go to my sponsors (FAWEU) for the dedicated financial, spiritual and social support rendered to me throughout the accomplishment of this research work and my life at University.

Sincere appreciation goes to APOSTLE and Evangelist C. B. Kaswabuli, Ms.Namuga Loy, for the spiritual assistance, my parents, the one and only sister Kisakye Elizabeth not forgetting my brothers and one special friend (JULIUS NGOBI) for their dedicated support throughout my life.

I would also wish to thank my course mates for their cooperation from the beginning of the course up to completion.

May God bless you all abundantly!

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## **LIST OF ACRONYMS**

BAT:	British American Groundnuts
DFC:	Dark fire cured groundnuts
FAO:	Food and Agriculture Organization
FCV:	Flue cured Virginia
ICRISAT:	International Crop Research Institutes for Semi-Arid and Tropics
MAAIF:	Ministry of agriculture, Animal Industry and Fisheries
NARO:	National Agricultural Research organisation
NaSAARI:	National Semi Arid Agricultural research Institute
NASFAM:	National Smallholder Farmers' Association of Malawi
NGOs:	Non-Government Organizations
SPSS:	Statistical Package for Social Sciences
UFAAS:	Uganda Forum for Agricultural Advisory Services
WHO:	World Health Organisation

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## **ABSTRACT**

The research was carried out in Kagulu Sub County, Buyende district to assess the level of adoption of new rosette resistant varieties of groundnuts. Objectives of the research include: i). To assess the level of adoption of new rosette resistant varieties of groundnuts ii) To find out the factors influencing the adoption of new rosette resistant varieties and iii) To identify the problems affecting farmers who adopt these new varieties. A cross sectional research survey was used. Questionnaires and interview guides were used to collect information from 70 respondents who were purposively selected from five (5) parishes which include; Bukutula, Bumogoli, Iyingo, Irundu and Nkoone. The research involved 70 participants comprising of 60 Farmers selected using simple random sampling scheme, 10 key informants being selected purposively because of their knowledge on groundnut production. (Farmers-60, Local leaders-05, Extension workers-05). Data was analyzed using Microsoft excel. The findings showed an increased level of adoption of the new rosette resistant groundnuts varieties by the farmers of kagulu sub-county. However from the research findings, it was also observed that there are several challenges the farmers face during the production of these new varieties that lead to the low production of such varieties despite the willingness of farmers to adopt the new varieties. The proposed solutions included: Early planting, Extension services, Formation of farmer groups, increasing access of new varieties to farmers, Improving transport network. Recommendations included linking farmers to the market, improving the government policy on groundnuts production, good management practices and the breeding programme to increase both adoption and production