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**INDUSTRIAL TRAINING REPORT CARRIED OUT AT NATIONAL SEMI-ARID
RESOURCES RESEARCH INSTITUTE (NaSARRI), SERERE UNDER DIFFERENT
PROGRAMS ON CROP PRODUCTION AND MANAGEMENT.**

FROM: 28TH FEBRUARY TO 22ND APRIL 2022

COMPILED BY: LOGOSE BRIDGET GIFT

REG NO: BU/UP/2020/0892

PROGRAM: DCP 1

COURSE CODE: DCP 1208

YEAR: 2022

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**TO BE SUBMITTED TO BUSITEMA UNIVERSITY ARAPAI CAMPUS UNDER THE
DEPARTMENT OF AGRI-BUSINESS AND EXTENSION FOR PARTIAL
FULFILMENT OF THE AWARD OF DIPLOMA IN CROP PRODUCTION AND
MANAGEMENT.**

DATE OF SUBMISSION:

APPROVAL

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Date *04/05/2022*

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Date *04/05/2022*



Director of NaSARRI:

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Signature *[Signature]*

Date *4/5/2022*

Academic supervisor:

Name

Signature

Date



DECLARATION

I LOGOSE BRIDGET GIFT BU/UP/2020/0892 declare that this report is in its original form and has never been submitted for any academic award of degree, diploma or certificate in any Institution of higher learning.

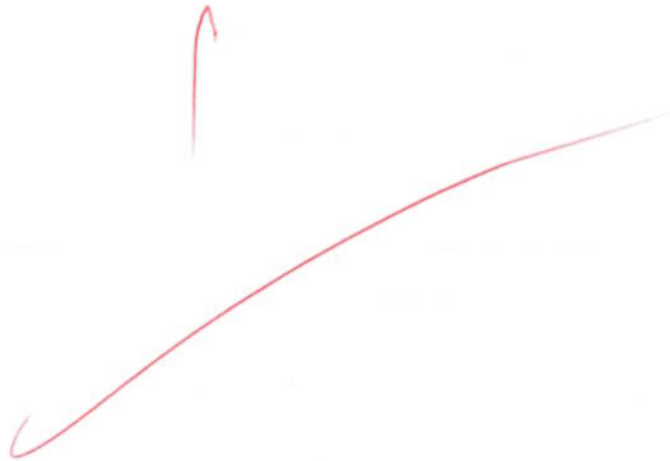
It is based on my experience during the period of internship NaSARRI, Serere District.

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Name: LOGOSE BRIDGET GIFT

Signature: 

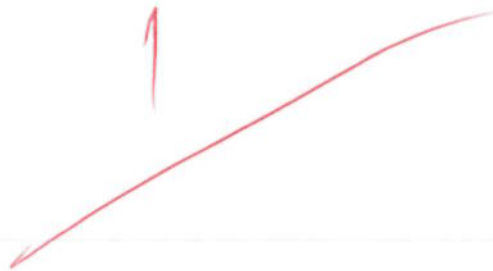
Date: 04/05/2022



DEDICATION

I dedicate this piece of work to Almighty God for the care, knowledge and strength he has offered to me during my time at University and Field work training.

I also dedicate this piece of work to my beloved Mother Mrs. Kadondi Dinah and Mr. Ntanda Henry for the entire support both financially and emotionally not forgetting my Sisters Evas, Gloria, Patricia and brother Joseph and lastly my friends Atikun and Norah for their support.



ACKNOWLEDGEMENT

My best sincere thanks go to the Almighty God who provided me with good health, strength and Knowledge which enabled me to accomplish my internship successfully. I wish to extend my sincere thanks to the administration of BUAC for offering me an opportunity to pursue a course.

I extend my sincere appreciation to the Director of NaSARRI Mr. Michael Ugen and entire management for allowing me do my field training in this place. I also thank my field supervisors Mr. Okwang Dodah, Okiring Joseph, and field assistants Mr. Wangolo Kenneth, Mr. Egosu John Kokus and many others for their effortless support and guidance towards my field work training and report writing.

May the Almighty God Bless you all.

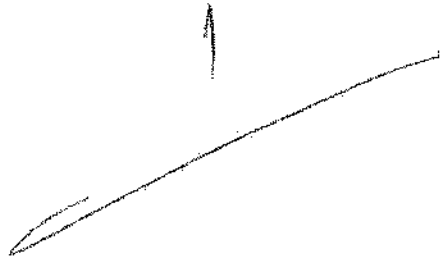
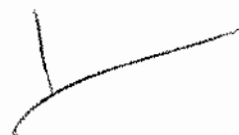


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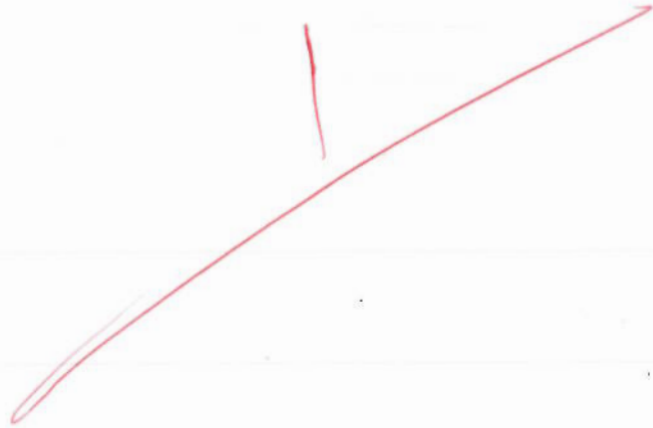
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LIST OF ABBREVIATIONS

NARO.....	National Agricultural Research Organization
NaSARRI.....	National Semi-Arid Resources Research Institute
PARI's.....	Public Agricultural Research Institutes
ZARDI's.....	Zonal Agricultural Research and Development Institutes
NARI's.....	National Agricultural Research Institutes
CRD.....	Complete Randomized Design
CRBD.....	Complete Randomized Block Design
SBD.....	Split Block Design
e.g.....	For example
BUAC.....	Busitema University Arapai Campus
IT.....	Industrial Training
PYT.....	Preliminary Yield Trial



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ABSTRACT

This Industrial training report was carried out at the National Semi-Arid Resources Research Institute (NaSARRI) from 28th February to 22nd April 2022 for a period of eight (8) weeks. In this training I was attached to Four programs which include Dryland Legumes (Green gram, Cowpeas and pigeon peas), Fiber crops(cotton), Oil crops (simsim, Sunflower and ground nuts), Dry land Cereals (Sorghum, Finger millet, Pearl millet), Farm management (pastures, horticulture, Agro forestry, mushroom, Animal traction, Farm Mechanization). The main objective of this training is to expose students to field activities so as to acquire working experiences through transfer of theory knowledge learnt in class to practical in the field within communities. This report comprises of four chapters i.e.

Chapter one; highlights on the background of institute, mission, vision, organizational structure of the institute.

Chapter two; highlights on the description of activities performed during the attachments in the various programs like pest and disease identification, emasculation, field marking, selfing and crossing.

Chapter three; highlights on the impacts of the attachments that include the skills and qualifications that I gained which include emasculation, field marking, crossing. Some responsibilities undertaken include seed bulking, emasculation. influence of attachment to my future career, challenges faced during attachment and how activities under attachment correlate with classroom knowledge.

Chapter four; Summarizes the conclusions and recommendations of the attachments.

At the back and last pages are the appendices which include work plan, field pictures and references.



CHAPTER ONE:

1.0 INTRODUCTION

The National Semi-Arid Resources Research Institute is one of the sixteen Public Agricultural Research Institutes(PARI's) under the National Agricultural Research Organization (NARO) established by the National Agricultural Research Act in 2005 under Ministry of Agriculture Animal Industry and Fisheries(MAAIF). It falls under the NARI's which carry and manage the agricultural research of a strategic nature and National importance. NaSARRI has made a fundamental and considerable progress since its establishment but this progress could not be possible without the support from Government of Uganda and several donors.

1.1.BACKGROUND OF NaSARRI

NaSARRI was started in the year of 1922 by the colonial government and was initially called Serere Agricultural and Animal Production Research for Semi-Arid tropics on crops and then changed to NaSARRI with the help of the government of Uganda and several donors like World Bank providing the major funding.

1.2 LOCATION OF NaSARRI.

NaSARRI P.O.BOX 56 Soroti Uganda, email director@NaSARRI.org.Ug/WWW.nasarri.org.ug is located 21km South West of Soroti City Serere District, Olio sub county, Igola parish.

1.3 THE VISION OF NaSARRI.

To be a market leader in generation and discrimination of appropriate crop technologies for sustainable development in semi-arid regions of Uganda.

1.4 THE MISSION OF NaSARRI.

To generate, package appropriate agricultural production technologies and information for improved management and sustained integrated crop and natural resources management in the semi-arid areas with partnership with other stakeholders.

1.5 THE MANDATE OF NaSARRI.

To undertake research in crop production for semi-arid systems. NaSARRI conducts research on finger millet, pearl millet, sorghum, ground nuts, sunflower, cotton, cowpeas, pigeon peas, social economics and marketing, animal traction, emerging semi-arid issues.