



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

P.O. Box 236, Tororo, Uganda
Gen. +256 - 45 444 8838
Fax. +256 - 45 4436517
Email: info@adm.busitema.ac.ug

www.busitema.ac.ug

FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

A REPORT ON INDUSTRIAL TRAINING CARRIED OUT AT THE
NATIONAL SEMI ARID RESOURCES RESEARCH INSTITUTION FROM
28th/ FEB/ 2022 TO 6th/ MAY/ 2022



BY

KAGGWA JONATHAN

BU/UP/2019/1129

Email; kjonathan1930@gmail.com

Contact;0701119040

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DECLARATION

I **KAGGWA JONATHAN** declare that the material contained in this report is my own and has never been submitted to any institution or any university for any academic award.

Sign. .....

Date. 5th / 05 / 2022.....

1. Field supervisor, NaSARRI

Name. Hamba Sophia.....

Sign. .....

Date. 5th / 05 / 2022.....

2. Intern coordinator, NaSARRI

Name. .....

Sign. .....

Date. 05 / 05 / 2022.....



3. Director, NaSARRI

Name. OBUO JOHN EMILIANTIS.....

Sign. .....

Date. 5 / 5 / 2022.....

DEDICATION

I dedicate this piece of work to the 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 family for the entire support both financially and emotionally not forgetting my colleagues with whom I have been working with in the course of my industrial training



ACKNOWLEDGEMENT

My grateful thanks go to the staff of NaSARRI who guided me through all activities for the success of industrial training.

First and foremost, I would like to appreciate the Director of NaSARRI Dr. Ugen Michael for granting me that opportunity to conduct my industrial training from the institute, my field supervisor Madam Hamba Sophia the socio economist at NaSARRI, Mr. Okwang dodah the assistant internship coordinator NaSARRI and the entire staff, program leaders, scientists, technicians and field assistants. However, the efforts of my internship colleagues in NaSARRI were very much appealing.

Furthermore, let me appreciate the staff of Busitema University Arapai campus for implementing industrial training as one of the core modules which help students learn hands-on skills in correlation to the class theory, enhancing their agricultural experience hence preparing them best for job market, thus effective service delivery to farmers upon the modernized agricultural technologies.

Finally, special thanks goes to my family members for their tireless support to me.

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LIST OF ABBREVIATIONS

NaSARRI.....	National Semi-Arid Resources Research Institute
NARO.....	National Agriculture Research Organization
IT.....	Industrial Training
SERENUT.....	Serere ground nut
SESO.....	Serere sorghum
NAROSORG.....	Naro sorghum
SESIM.....	Serere simsim
Kgs.....	Kilograms
Kgs/Ha.....	Kilograms per hectare
Mr.....	Mister

Abstract

In chapter one of my report is the introduction which contains the back ground of NaSARRI like the year in which the institute was established and its evolution over time, location of NaSARRI what the institute does and its objectives then the different research programs at NaSARRI like the dry land legumes program, the dry land cereals program, the oil crops program and the cotton program.

In chapter two is the description of the activities carried out under the different programs in the course of my industrial training at NaSARRI

Chapter three; highlights on the impacts of the attachments that include the skills and qualifications that I gained, responsibilities undertaken, 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 and field pictures.

I.0: CHAPTER ONE: INTRODUCTION

1.1: INTRODUCTION TO NATIONAL SEMI-ARID RESOURCES RESEARCH INSTITUTE

The National Semi-Arid Resources Research Institute (NaSARRI) 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.

1.2: 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.

1.3: LOCATION OF NaSARRI.

The Institute is located 21km South West of Soroti City, Serere District, Olio Sub- County in Igola village. The address is P.O.BOX 56 Soroti Uganda,

Email director@NaSARRI.org.Ug/WWW.nasarri.org.ug.

1.4: THE VISION OF NaSARRI.

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

1.5: 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.