



**INDUSTRIAL TRAINING REPORT CONDUCTED AT NATIONAL SEMI-ARID
RESOURCES RESEARCH INSTITUTE (NaSARRI) - SERERE DISTRICT
FROM 28th FEBRUARY TO 6th MAY 2022.**

417

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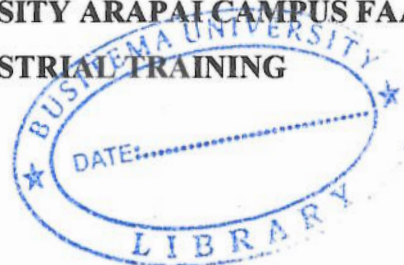
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COURSE CODE: CGA1209 INDUSTRIAL TRAINING

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✓ (Signature)

**TO BE SUBMITTED TO BUSITEMA UNIVERSITY, FACULTY OF AGRICULTURE
AND ANIMAL SCIENCES ARAPAI CAMPUS, DEPARTMENT OF AGRIBUSINESS
AND EXTENSION IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE
AWARD OF A CERTIFICATE IN GENERAL AGRICULTURE OF
BUSITEMA UNIVERSITY**

MAY 2022

No Logbook

DECLARATION

I OPIYO DOUGLAS declare that the report was compiled by my own effort and has never been presented to any institution or university for award of academic credential.

Student.

Name. OPIYO DOUGLAS

Sign. [Signature]

Date. 13/05/2022

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DEDICATION

I dedicate this report to my beloved mother Akwongo Everline and the family at large not forgetting my sponsor Owac giu Geoffrey for his financial support towards my studies and my dearest friends Wozisi Allan Brian and Eboku Martin.

God bless you all.

ACKNOWLEDGEMENT

With great pleasure I would like to thank the almighty God for his mercy and protection offered to me during internship.

I would like to appreciate the Director of NaSARRI Dr. Ugen Michael, my field supervisor Mr. Okiring Joseph the farm manager at NaSARRI, Mr. Okwang Dodaah the intern coordinator NaSARRI and the entire staff of NaSARRI for granting me the opportunity to conduct my internship in the institute.

Thanks also goes to the administrators of Busitema University Arapai campus for including industrial training in their curriculum to equip students with practical skills.

May the almighty God bless you all abundantly.

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LIST OF ABBREVIATIONS

NaSARRI	:	National Semi-Arid Resources Research Institute.
IT	:	Industrial training.
NARO	:	National Agricultural Research organization
SECOW	:	Serere cowpea.
SESO	:	Serere sorghum.
NAROSORG	:	NARO Sorghum.
SERENUT	:	Serere groundnuts.
NAROGRAM	:	NARO Green gram.
BUAC	:	Busitema University Arapai Campus.
FAAS	:	Faculty of Agriculture and Animal Sciences.
CGA	:	Certificate in General Agriculture.
SAARI	:	Serere Agriculture and Animal Research Institute.
REG NO.	:	Registration Number.

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ABSTRACT

This Industrial Training (IT) was conducted for 10 weeks at National Semi-Arid Resources Research Institute (NaSARRI) located in the Eastern Agro-ecological zone in Serere District 27 km south of Soroti City from 28th February 2022 to 6th May 2022. NaSARRI is one of the 16 public Agricultural Research Institutes of the National Agricultural Research Organization (NARO) established by the National Agricultural Act 2005.

The objective of this IT is to enable students acquire practical knowledge, skills, monitoring and evaluation in agricultural research and other related activities. It is also to improve on the communication skills.

It was carried out in different sections a rotation i.e. farm management, dry land cereals program, oil crops program, dry land legumes program and fiber crop program.

During the training at NaSARRI, various activities were carried out which included;

Identification of varieties of different crops, their pests, diseases and control measures, post-harvest data collection, grafting and budding in Agroforestry, onion nursery bed preparation in horticulture and plant breeding.

While in the field, I gained skills in identification of pests and diseases of different crops and their control, agronomic practices from site selection to harvesting and post-harvest handling.

However, few challenges were faced like; inadequate tools and equipment, adverse weather conditions and long distance from the place of residence to institute.

The IT was successfully done because most of the theoretical aspects were put into practical thus new skills gained. I suggest that adequate tools be provided, health facilities (sick bay) should be put in place to offer first aid to workers/students in case of any accident or sick



CHAPTER ONE: INTRODUCTION TO INDUSTRIAL TRAINING

1.1 Introduction-

This industrial training was conducted for a period of 10 Weeks at National Semi-Arid Resources Research institute (NaSARRI) Serere from 28th February 2022 to May 6th 2022. Industrial training is one of the modules incorporated in the curriculum to expose students to hands on skills in correlation to the class theory. Its main objectives are to enable students acquire practical knowledge, skills, methodology, evaluation in agricultural research and other related activities and techniques. The training was carried out in the different units and programs in a rotation manner.

1.2 Background of NaSARRI

The National Semi-Arid Resources Research institute (NaSARRI) is one of the 16 Public Agricultural Research institutes (PARIs) of National Agricultural Research Organization (NARO) established by National Research Act 2005 (www.nasarri.go.ug). The National Semi-Arid Resources Research institute started its operation way back in 1920. It was initially established as an experimental station for ox-cultivation which were charged to support cotton production in Teso. It as well served as a unit for training staff of Department of Agriculture.

It pioneered as research study on cotton, livestock and other animal attraction technologies to emphasize quality output under supervision of the Ministry of Agriculture. In 1992, NaSARRI was called Serere Agricultural and Animal Research Institute (SAARI).

1.3 Location

NaSARRI is located in Eastern Agro-ecological Zone in Serere District, 27 Km south of Soroti City, Olio Sub-county, Igola Parish.

1.4 Vision of NaSARRI

To be a market leader in generating and disseminating of appropriate crop technologies for sustainable development in Semi-Arid Areas.

1.5 Mission of NaSARRI

To generate and disseminate Agricultural Production Technologies and Information for improved sustained integrated crops and natural resources management in partnership with stakeholders.