

(34/42)

**AN INDUSTRIAL TRAINING REPORT CARRIED OUT IN LIVESTOCK  
PRODUCTION AND MANAGEMENT AT NATIONAL SEMI-ARID  
RESOURCE RESEARCH INSTITUTE (NaSARRI) SERERE.**

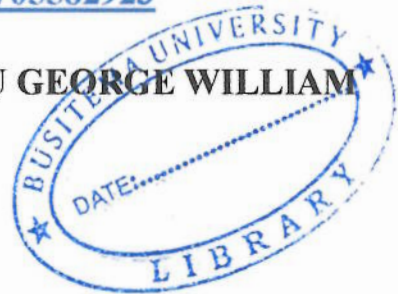
**FROM 28<sup>TH</sup> FEB 2022 TO 22ND APRIL 2022**

**COMPILED BY: AJULO GABRIEL**

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**SUPERVISED BY: MR EGADU GEORGE WILLIAM**



**INDUSTRIAL TRAINING REPORT TO BE SUBMITTED TO BUSITEMA  
UNIVERSITY ARAPAI CAMPUS TO THE DEPARTMENT OF  
AGRIBUSINESS AND EXTENSION IN PARTIAL FULFILMENT FOR  
THE AWARD OF A DIPLOMA IN ANIMAL PRODUCTION AND  
MANAGEMENT.**

**DECLARATION**

I AJULO GABRIEL do declare that this internship report is purely my own original work compiled and documented by me through hard work and has never been submitted to any institute, college or university for any academic award.

Name: AJULO GABRIEL.....

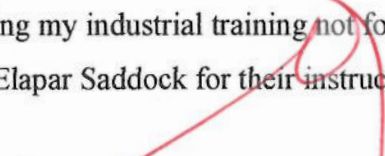
Sign: [Signature].....

Date: 04<sup>th</sup> - 05 - 2022.....



## **DEDICATION**

I dedicate this report to my beloved parents Mr. Otai Lawrence and Amucu Immaculate otai for their support rendered to me during my industrial training not forgetting my field supervisors Mr. Egadu George William and Mr. Elapar Saddock for their instructions and knowledge during my internship training.



## ACKNOWLEDGEMENT

I greatly thank the Almighty God for his great love, joy and protection that he gave me during my internship, in all aspects of life and health and also wisdom for peacefully completing my internship training. I also extend my sincere thanks to my field supervisor Mr. Egadu George William who agreed me to conduct my industrial training at NaSARRI farm. I also acknowledge my experienced field technician Mr. Elapar Saddock for technical skills and practical knowledge he gave me during my internship at NaSARRI farm.

**APPROVAL**

This is to certify that this internship report was compiled and documented under my strict supervision and it's ready to be submitted to Busitema University Arapai Campus, Faculty of Agriculture and Animal Sciences as required for the partial fulfillment for the award of a Diploma in Animal Production and Management.


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**INTERNSHIP COORDINATOR**

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Sign: [Signature] Date: 4/5/2022

## ABSTRACT

The industrial training was carried at NaSARRI farm in Serere District for duration of 8 weeks from 28<sup>th</sup>/Feb/2022 to 22<sup>nd</sup>/April/2022 under livestock production and management section. The internship training was all about exposing students to the practical skills and knowledge in the field, the report contains background, location, vision, mission, mandate, programmes, collaborators and organization structure of NaSARRI. Several activities were conducted in both cattle and goat production and management like census (counting of animals), spraying, weighing, treatment, cleaning of the goat housing, dehorning, hoof trimming, health inspection, record keeping etc. including a tour on farm structures like cattle crush, cattle dip, paddocks, fences, collecting yard etc. and Education on farm tools and the equipment such as lactometer, ear tag applicator, prooder, thermometer etc. elaborating their uses. Impacts of the training was that it exposed me completely to the world of work and interaction, made me transform from the theoretical knowledge and skills to practical etc., skills gained were dehorning animals using a dehorning saw, ear tagging using ear tag applicator etc., challenges faced were long distance from my place of residence to the farm, inadequate farm tools and equipment etc., I made a few recommendations to the farm of NaSARRI and the responsible personnel to avail enough tools and equipment to facilitate the activities conducted. So I conclude by saying the industrial training was conducted successfully.

## ABBREVIATIONS

NaSARRI- National Semi-Arid Resource Research Institute

NARO- National Agricultural Research Organization

NAADS-National Agricultural Advisory Service

SAARI-Serere Agricultural and Animal Research Institute

e.g.-For example

I/V-Intravenous

I/M-Intramuscular

SC-Subcutaneous

MC-Male Calf

FC-Female Calf

FA-Female Adult

MA-Male Adult

MW-Male Weaned

MK-Male Kid

FK-Female Kid

TT-Total

DFI-District Farm Institute

## LIST OF TABLES AND FIGURES

Table 1 shows common diseases affecting goats

Table 2 shows daily census records for goats

Table 3 shows weighing records of some three goats

Table 4 shows weighing records of newly kidded kids

Table 5 shows daily census of cattle

Table 6 shows weighing records of cattle

Table 7 shows the types of acaricide used

Table 8 shows common diseases of cattles



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## CHAPTER ONE.

### 1.0 INTRODUCTION.

NaSARRI is an abbreviation for National Semi-Arid Resource Research Institute and is one of the sixteen Public Agricultural Research Institutes (PARIS) established by the National Agricultural Research Organization (NARO) parliamentary act of 2005 ([www.nasarri.go.ug](http://www.nasarri.go.ug)). It falls under the category of the National Agricultural Research Institutes (NARIS) which carry and manage the Agricultural research of strategic nature and national importance. NaSARRI conducts applied and adaptive research in agriculture in experimental station for ox-cultivation technology that was designed to support and uplift cotton programme in Teso and for training the staff from the department of Agriculture by then.

#### 1.1 BACKGROUND OF NaSARRI

NaSARRI was started in 1920 by colonial government. It was by then called Serere Agricultural and Animal Research Institute (SAARI) after which it was to carry out research for semi-arid tropics and hence the name NaSARRI with the support from the government of Uganda and several donors like World Bank.

#### 1.2 LOCATION OF NaSARRI

It's located in the eastern agro-ecological zone in serere district which was previously under soroti district at altitude of 139 degrees north, latitude 33 degrees and 27 degrees east, 27km south west of soroti town. It is at an altitude of 3078 feet above sea level with sandy loam soil and annual rainfall of 1972mm and bimodal distribution type.

#### 1.3 VISION OF NaSARRI

To be a market leader in generation and dissemination of appropriate technologies for sustainable development in semi-arid areas.

#### 1.4 MISSION OF NaSARRI

To generate, package, and disseminate appropriate agricultural product technologies and information of improved and sustained integrated crops, livestock and natural resource management in the semi-arid areas in partnership with other stakeholders.