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BUSITEMA UNIVERSITY ARAPAI CAMPUS

FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

**A REPORT OF INDUSTRIAL TRAINING CARRIED OUT IN
NATIONAL SEMI-ARID RESOURCE RESEARCH INSTITUTE
(NaSARRI)**

COMPILED BY:

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**TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION
BUSITEMA UNIVERSITY ARAPAI CAMPUS FACULTY OF AGRICULTURE AND
ANIMAL SCIENCES IN PARTIAL FULFILMENT FOR THE REQUIREMENTS
LEADING TO THE AWARD OF
A DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT**

DATE OF SUBMISSION: 18th May 2022

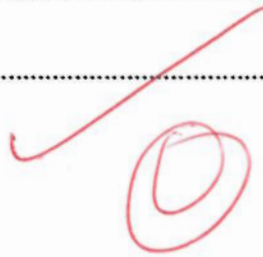
DECLARATION

I **WANYAMA NELSON** declare that this report is mine it has never been presented any University Institute by another person for any award.

Name: WANYAMA NELSON

Date: 04.05.2022

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APPROVAL

This is to certify that internship training report in the names of Wanyama Nelson was done and supervised so it's ready to be submitted to Busitema University Arapai Campus as required for the partial fulfilment for the award of Diploma in Animal Production and Management.

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ACADEMIC SUPERVISOR;

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Tel:

Date:

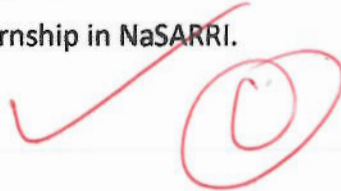
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DEDICATION

I dedicate this report to my beloved my parents Mr. Makabbayi Vincent, Ms. Makabbayi Allen Mayobo, Sister Kakaii Esther, Brothers Andrew, Solomon, Joshua and David, and Grand mam Neumbe Merry for the support they have given to me physically, spiritually and financially.

I also dedicate this report to my farm manager/field supervisor Mr. Egadu George William and his assistant Mzee Zaddock Elapar for the care, love, and skills they have equipped me with, may the almighty God bless them all in Jesus's name.

I also dedicate this report my friends Wagime, Benjamin, Andrew, Chalotte, who freely coordinated with me well during my internship in NaSARRI.

A red handwritten mark consisting of a checkmark-like shape on the left and a circular scribble on the right.

ACKNOWLEDGEMENT

With great pleasure, thank the almighty God for the love, care and protection he offered to me during the internship training in NaSARRI

I also thank my field supervisor Mr. Egadu George Willum and his assistant Mzee Zaddock Elapar for the skills they have equipped me with, care and love they showed me while at NaSARRI

I also thank my parents, sisters, brothers and friends who supported me physically, spiritually and financially during my internship at NaSARRI.



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LIST OF ABBREVIATIONS.

NaSARRI – National Agricultural Resources Research Institute

NARO – National Agricultural Research Organization

BUAC – Busitema University Arapai Campus

DAP – Diploma in Animal Production and Management

ECF – East Coast Fever

SC – Subcutaneous injection

MW – Male weaner

MA – Male adult

OTC – Ox tetracycline

GIT – Gastro-intestinal tract

FA – Female adult

FW – Female weaner

IV – Intravenous injection

IM – Intramuscular injection

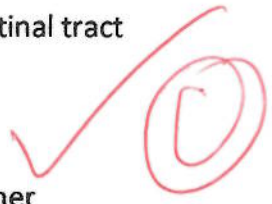
BBBRH – Back Belly Brisket Rare body and Head

IT – Internship training

I.e. - That is

Eg – For example

ETC – And many others



ABSTRACT

A report of industrial training carried out at NaSARRI livestock farm in Serere District, it contains chapter one; introduction containing the history, type of ownership, products produced, services offered and collaborators of NaSARRI. Chapter two description of attachment containing description of work station i.e. characteristics, advantages and disadvantages of breeds of animals kept in NaSARRI. Activities performed i.e. daily, weekly, monthly, annually and others and description of specific attachment having farm structures like weigh bridge, cattle dip etc. and tools and equipment's like drenching and bolting guns. Chapter three impacts of attachments having skills gained, responsibilities under taken, how the industrial training influences my future career plans and how the industrial training activities collorate with lecture room knowledge and challenges faced. Chapter four having conclusions and recommendation.

In conclusion the industrial training was very good and gained a lot of skills, however there were some challenges like walking long distances to and from the farm, use of expired drugs like opticlox and duo dip, weak paddocks, shortage of enough tools and equipment's etc.

I recommend that the management of NaSARRI to increase the number of tools and equipment's, farm manager should take note expiry dates of drugs before taking them to the farm, weak wooden poles should be replaced with the metallic, concrete or poles which can regrow, bulls and he goats should be separated from the herd to avoid inbreeding and injuries due to fighting.

CHAPTER ONE

INTRODUCTION

1.1.0 BACKGROUND

1.1.1 Departments/programs of NaSARRI

NaSARRI is organized into four research programs to ensure quality outputs. I.e;

- Dry land legumes program
- Dry land cereal crop program
- Oil crop program
- Fiber crops program (cotton) and livestock section.

1.1.2 Structure of NaSARRI

Direct resource coordinator is the chief accountant, Human Resource manager and other technical experts include; Finance officer, Auditor, Procurement officer, System administrator, and farm managers are responsible for the day today management of the organization.

1.1.3 Size of NaSARRI

NaSARRI is a very big farm covering about 1700 acres

1.1.4 Mandate of NaSARRI

To undertake research in technologies for semi-arid production systems so as to high yields, increase disease resistant varieties. The operation covers the cattle corridor and five other Agro economic zones comprising of Eastern savannah, and Teso regions.

1.1.5 Vision of NaSARRI

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

1.1.6 Mission of NaSARRI.

To generate, package and disseminate appropriate agriculture products, technologies and information of improved and sustained integrated crops, livestock and natural resource management in the semi-arid area in partnership with other stake holders.

1.2.0 HISTORY OF NaSARRI.

NaSARRI was started in 1920 by the colonial government, it was by then called Serere Agricultural and Animal Research Organization (SAARO) after which it was to carryout research for semi-arid tropics and hence the name NaSARRI with the support the government of Uganda and several donors such as world bank.