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48/60

**A REPORT ON INDUSTRIAL TRAINING CARRIED OUT IN NATIONAL
SEMI- ARID RESOURCES RESEARCH INSTITUTE (NASARRI)-SERERE DISTRICT
UNDER LIVESTOCK PRODUCTION AND MANAGEMENT**

FROM

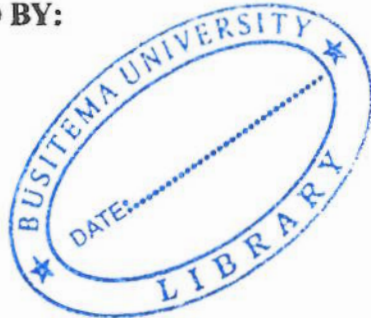
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**TO BE SUBMITTED TO THE DEPARTMENT OF AGRI-BUSINESS AND RURAL
EXTENSION, FACULTY OF AGRICULTURE AND ANIMAL SCIENCES BUSTEMA
UNIVERSITY ARAPAI CAMPUS**

**FOR PARTIAL FULFILLMENT OF REQUIREMENT FOR THE AWARD OF THE
DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT**

DATE OF SUBMISSION

10 | 03 | 2022

DECLARATION

I EGWECH EMMANUEL do here by declare to the Senate of Busitema University Arapai Campus that this industrial training report is my own work and it has never been submitted for the award of Diploma in Animal production in any other university

Signature.....*Emmanuel Egwech*.....

Date.....*10th - 05 - 2022*.....

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APPROVAL

This is to certify that this industrial training report is of my own and has also been supervised and submitted with the approval of the following.

FIELD SUPERVISOR *FRANCO GREGORIO WILLIAMS*

Signature *[Signature]*
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INTERNSHIP CO-ORDINATOR

Signature *[Signature]*
Date 10/05/2022



DIRECTOR OF NASARRI

Name. Dr Michael A. Ugen *OBUD JOHN E.*
Date 10/5/2022

Signature *[Signature]*

ACADEMIC SUPERVISOR

Name.....
Date.....
Signature.....

[Red Signature]

For the partial fulfillment of Diploma in animal production and management at Busitema University Arapai Campus.

DEDICATION

This industrial training report is dedicated to My beloved parents who suffered consequences but remained my richest source of encouragement not for getting my field supervisor Mr Egadu George William who aided as with the practical aspects.

A handwritten signature in black ink, appearing to be 'G. Egadu', located on the right side of the page.

ACKNOWLEDGEMENT

First and foremost I thank God who gave me life and sustains it, without the grace of God to grant me good health I could not have managed to come up with this industrial training report.

I thank all those who allowed and enabled me to undertake the studies in Diploma in Animal production that aims at animal welfare and production of the high quality products. These include the executive committee and the provincial board of BUAC.

Also I am grateful to my parents who agreed to finance all the costs of the studies. Thanks should also go to Mr Emorut Simon Peter who paid for my accommodations expenses.

Many thanks should also go to the farm of NASARRI who allowed me to work and learn from them. Their good co-operation enabled me to undertake my industrial training successfully.

MAY OUR ALMIGHTY GOD BLESS US ALL.



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LIST OF ABBREVIATIONS

NaSARRI.	- National Semi-Arid Resources Research Institute.
OTC.	- Oxytetracycline.
I.M.	- Instead muscular.
I.V.	- Intravenous.
F.A.	- Female Adult.
M.W.	- Male weaner.
F.W.	- Female weaner
M.C.	- Male calf.
M.K.	- Male kid.
F.C.	- Female calf.



LIST OF TABLES AND FIGURES

Figure 1: showing the organization structure of NaSARRI.

Table 1: showing daily census records.

Table 2: showing signs that indicate a healthy and unhealthy animal.

Table 3: showing the different types of acaricides used and their ratios.

Table 4: showing the sample of weights of cattle in NaSARRI.

Table 5: showing the daily census records for goats at NaSARRI.

Table 6: showing the sample of weighing records obtained when carrying out weighing activity for the two different months

Table 7: showing the sample for the difference in the live body weight of the newly produced kids.



ABSTRACT

Industrial training, it's of great importance since it exposes students to the real working environment through allocation to different areas of conduct e.g Institutions, organization, farms e.t.c. However I was attached to NaSARRI which deals with both crop and animal production which encounters the students doing the DAP, APM,AGB, and also those doing CGA. This started from 28th of February - 22nd of March 2022 with the main objective of enabling students to correlate the theoretical knowledge in class with the practical aspects. Otherwise various activities were conducted daily, weekly and others monthly which includes; Health inspection and treatment, pregnancy diagnosis, spraying, Castration, Postmortem, Record keeping, Census e.t.c. This therefore equipped me with various skills of Postmortem which is carried out on the dead animal in order to come up with the conclusion of what caused the animals death, Pregnancy diagnosis with the aim of determining whether the animal is pregnant or not, Ear tagging using the ear tag applicator for the purpose of identification of animals among others. Last but not list, for the training to be complete it must take a period of 10 weeks for its success. Lastly the industrial training is of the great pleasure to me since it motivates me to be a farm manager of my own weather employed or not hence my life will not be on the standstill.

See

CHAPTER ONE

1.1 INTRODUCTION:

NaSARRI is a short form of national Semi-Arid Resources Research Institute and is one of the sixteenth public agricultural research institute (PARIS) established by the national agricultural research organization (NARO) Parliamentary act of 2005 (www.nasarri.go.ug) it falls under the category of the national agricultural research institute (NARIs) which carry and manage the agricultural research of strategic nature and national importance. NaSARRI conduct applied and adaptive research in Agricultural in experimental station for ox-cultivations technology that was designed to support and uplift cotton programs in Teso and for the training the staff from the department of agriculture by then.

1.2 Background of NaSARRI:

NaSARRI was started in 1920 by colonial government. It was by then called Serere Agricultural and animals research Organization (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 such as world Bank.

1.3 Location of NaSARRI:

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

1.4 Vission of NaSARRI:

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

1.5 NaSARRI's mission:

To generate, package and disseminate appropriate Agricultural product technologies and information of improved and sustained integrated crop, livestock and natural resource management in the Semi-arid areas in partnership with other stake holders.