



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

4/60

P.O. Box 236, Tororo, Uganda
Gen: +256 - 45 444 8838
Fax: +256 - 45 4438517
Email: info@adm.busitema.ac.ug

www.busitema.ac.ug

**BUSITEMA UNIVERSITY FACULTY OF AGRICULTURE AND ANIMAL
SCIENCES ARAPAI CAMPUS**

**A REPORT ON INDUSTRIAL TRAINING CARRIED OUT AT NATIONAL
LIVESTOCK RESOURCE RESEARCH INSTITUTE (NaLIRRI) - SERERE**

FROM 21st MAY 27th JULY 2018

2

PREPARED BY ALUKA STELLA BETTY

REG NO BU/UB/2017/797

STREAM DAP B

CONTACT 0783422851

EMAIL ADDRESS alukastellabetty@gmail.com

**TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND
EXTENSION BUSITEMA UNIVERSITY ARAPAI CAMPUS IN PARTIAL
FULFIMENT OF AWARD OF DIPLOMA IN ANIMAL PRODUCTION AND
MANAGEMENT.**

DECLARATION

I ALUKA STELLA BETTY declare that this report is truly out of my knowledge and it was prepared during my industrial training in livestock production program at NaLIRRI - Serere and has never before being submitted to any institution of higher learning for the award of Diploma in Animal production and management or any other academic award.

NAME OF STUDENT:ALUKA STELLA BETTY

SIGNATURE..... *Aluka*

DATE..... *01/08/2018*

FIELD SUPERVISOR;

NAME: Mr.EGADU GEORGE WILLIAM



SIGNATURE..... *George*
0782 575981

DATE..... ~~27th~~ *01/08/2018*

ACADEMIC SUPERVISOR;

NAME: SIGNATURE..... *Dr. Ci. Lukwada*

DATE..... *02/08/18*

DEDICATION

I dedicate this report to all my family members especially Madam.EVERLINE AKWASO and my parents EITU BRUNO and AKELLO HELLEN GRACE,Mr.ESIMU SIMON for their tireless effort and support of always encouraging me in my education and for their support in paying my tuition.

I would like to dedicate also my friends this report for their support during the time of writing this report for example ATAI ANGELLA LOY, ADEMUM GEMIMA.ALUKA IMMACULATE, ACHOROI JAMES, and OKIROR QUIRINO.

①



ACKNOWLEDGEMENT

I would like to acknowledge the staff of NaLIRRI for their effort in teaching and guiding me as a student because it has been of a great importance to me during the time of industrial training.

I would also like to extend my appreciation to all my supervisors and mostly my thanks goes to my field supervisor Mr Egadu George William for the parental support that he offered to me as a student during the I.T

GOD blesses you.

A red circular stamp or signature mark, possibly containing a stylized letter or symbol, located in the lower right quadrant of the page.

TABLE OF CONTENT

DECLARATION.....	i
DEDICATION.....	ii
ACKNOWLEDGEMENT.....	iii
TABLE OF CONTENT	iv
LIST OF ABBREVIATION.....	vi
LIST OF TABLE S AND FIGURES.....	vii
ABSTRACT.....	viii
CHAPTER ONE INTRODUCTION.....	1
1.1 Vision of NaLIRRI.....	1
1.2 Mission of NaLIRRI.....	1
1.3 Background.	1
1.4 Accomplishments.....	2
1.5 Geographical locations.....	2
1.6 Staff structure.....	2
2.0 CHAPTER TWO, DESCRIPTION OF THE ATTACHMENT.....	4
2.1 Introduction to pasture production.....	4
2.2 Introduction to poultry production.....	5
<hr/> 2.3 Introduction to small ruminants.....	<hr/> 12
2.4 Farm structures.....	15
2.5 Introduction to cattle section.....	16

CHAPTER THREE.....	21
IMPACT OF THE ATTACHMENT.....	21
3.1 SKILLS GAINED DURING THE TRAINING.....	21
3.2 REPONSIBILITIES HELD DURING THE TRAINING.....	21
3.3 INFLUENCE OF THE TRAINING TO THE FUTURE CARRIER PLANS.....	21
CHAPTER FOUR.....	22
4.0 CONCLUSION AN D RECOMMENDATIONS.....	22
4.1 CONCLUSION.....	22
4.2 RECOMENDATIONS.....	22
4.3 APPEDICES.....	23
a) SKETCH MAP OF NaSARRI.....	23
b)WORKPLAN.....	24
b) PHOTOS.....	24
REFERENCE.....	26



LIST OF ABBREVIATIONS:

NaSARRI	National Semi-Arid Resources Research institute.
NARO.	National Agricultural research Organization.
BBBRH.	Back, Belly, Brisket Rear and Head
NaLIRRI.	National livestock Resource Research Institute
FMD.	Foot and Mouth Disease
ECF.	East Cost Fever
LSD.	Lumpy Skin Disease
I.e.	That is to say
Eg.	For Example
Mgt	Management
OTC	Ox tetracycline
L.B.W.T.	live Body Weight
IM.	Intramuscular
IV.	Intra-venous
CBPP	Contagious Bovine Pleuro pneumonia
Kg.	Kilogram
Ml	mill liters
I.T:	Industrial training

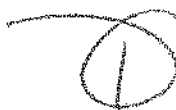
LIST OF TABLES AND FIGURES

TABLES

Table 1: shows types of pastures	4
Table 2: Shows common diseases of poultry.....	9
Table 3: Shows vaccination programs of poultry.....	10
Table 4 Shows the nutrient requirement of poultry	11
Table 5 Shows population census of birds.....	11
Table 6 Shows weight of goats.....	13
Table 7 Shows different diseases of goats.....	14
Table 8 Shows common cattle diseases.....	18
Table 9 Shows weight of cattle in June and July.....	19
Table 10 Shows numbers of cattle kept in NaLIRRI.....	20

FIGURES

Figure 1 Organization structure	3
Figure 2 Shows the picture when I was raking the litter.....	24
Figure 3 shows a picture when I was reading the tag number.....	24
Figure 4 Shows a picture when I was spraying cattle	25
Figure 5 Shows a picture when I was branding a weaner.....	25
Figure 6 Shows a picture when I was weighing a goat.....	25
Figure 7 Shows a picture when I was determining the age of a calf.....	25



ABSTRACT

This report summarizes all the activities that I carried out during my internship at NaLiRRI, starting from 21st to 27th July 2018 under the instruction and guidance of the research field technicians where it was engaged in different research programs at the institute that included pasture production and management, poultry production, goat rearing and cattle section. The activities done include, pasture identification and management, identification of poultry breeds, vaccination of birds, routine management practices, treatment of birds, weighing of goats and cattle, spraying, deworming, age determination, health inspection, surgery, branding, record keeping, disease diagnosis, identification of farm structures and animal census. During my training I have also been exposed to effective communication which expanded my relationship between partners of the institute, people around, team work and good relations with the other interns. Hopefully with the training that I gained out, I can be able to contribute towards the national development in future and also get a job that suits my experience. In conclusion, the training was to expose students towards the working environment as well as seen the connection between theoretical aspect with practical work.



CHAPTER ONE: INTRODUCTION

1 INTRODUCTION:

NATIONAL LIVESTOCK RESOURCES RESEARCH INSTITUTE (NaLIRRI)

National Livestock Resources Research Institute (NaLIRRI) is one of the semi-autonomous Agricultural Public Research institutes established for the purpose of providing agricultural research services under the policy guidance of the National Agricultural Research Organisation

(NARO)

1.1 VISSION OF NaLIRRI:

A sustainable and a competitive livestock sector offering numerous profitable employment opportunities and nourishing animal food demands of Ugandans.

1.2 MISSION OF NaLIRRI:

To enhance sustainable utilization of appropriate livestock research outputs for improved livelihood of Ugandans.

1.3 BACKGROUND

NaLIRRI owes its origin to the colonial era when the **EATRO** was founded in 1956 with the mandate to conduct research on Tsetse flies and Trypanosomiasis in both humans and animals across Uganda, Kenya, and Tanzania under the jurisdiction of the East African common services organisation which later became the East African Community

EATRO was eventually handed to Uganda government in 1977 after the collapse of the EAC and was named **UTRO**. **UTRO** was mandated to conduct research on Tsetse flies, human and animal Trypanosomiasis in Uganda. in 1992, **UTRO** was merged with the then Animal Health Research centre Entebbe to livestock health Research institute (**LIRI**) to handle livestock health and theriogenology , including ,sleeping sickness in man.

The National agricultural Research Act 2005 of Uganda established a National Agricultural Research system (**NARS**) for Uganda comprising of semi-autonomous National Agricultural