



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

34 + 14

48
60

P.O. Box 236, Tororo, Uganda
Gen. +256 - 45 444 8838
Fax. +256 - 45 4436517
Email: info@adm.busitema.ac.ug
www.busitema.ac.ug

**INDUSTRIAL TRAINING REPORT CARRIED OUT ON LIVESTOCK
EXPERIMENTAL FARM, NATIONAL ANIMAL GENETIC RESOURCES
CENTER & DATA BANK (NAGRC&DB), FROM 20TH/MAY/2019 TO 27TH
/JULY/2019.**

BY:

MUSIMENTA EDMAND.

REGISTRATION NO: BU/UP/2017/210

SIGNATURE.....


✓

**SUBMITTED IN TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION
IN PARTIAL FULFILLMENT FOR THE AWARD OF A BACHELOR OF ANIMAL
PRODUCTION AND MANAGEMENT.**

COURSE CODE: APM2301

Email: musimentaedmand@gmail.com

Phone No. 0774218868

DECLARATION:

I Musimenta Edmand declare that this work is my original, written by myself, with my own efforts and using my own understanding, and has never been handed in to any other institution or university to earn academic credit.

Name: Musimenta Edmand.

Signature: 

Date: 10th, sep, 2019

BUSITEMA UNIVERSITY LIBRARY
CLASS No.:
ACCESS NO.: FAA 1439



DEDICATION

This piece of work is dedicated to my little young sister Orishaba Osyria our last born, my follower brother Turyagumanawe Seth and my sister Musimenta Hellen that I have closely grown up with.

May God Almighty fight all your battles until we all together accomplish our purpose.

APPROVAL:

This industrial training report has been submitted in for scripting with the approval of the field supervisor and the academic supervisor.

Field Supervisor

Name.. Liabasa Antony.....

Signature.. [Signature].....

Date.. 10/ sept 2019.....

Academic Supervisor

Name .. Dr. KISAWYE HELEN.....

Signature.. [Signature].....

Date.. 06/09/19.....



ACKNOWLEDGEMENT.

Am always joyous and full of thanks giving to God Almighty for the assurance of his first love and favor that he has always given me and the undeserving grace that he gave me during this industrial training.

I am greatly indebted to Forum For African Women Educationalists (FAWEU) and MasterCard Foundation for their substantial support to my education in terms material, stipend, tuition, motivation, and every kind of boosting that has kept my dream alive and pushing a biggest hand of support during my industrial training.

Special gratitude to my dearest parents for their ever present help throughout my lifetime ever since I breathed my first breath, they are a source of my inner strength that gives me hope to keep moving and more so their great support during my industrial training.

Lastly but not least great appreciation to both my field and academic supervisors for tireless input to make this industrial training a possibility



Contents

DECLARATION.....	i
DEDICATION.....	ii
APPROVAL.....	iii
ACKNOWLEDGEMENT.....	iv
LIST OF ABBREVIATIONS.....	vii
LIST OF TABLES AND FIGURES.....	viii
CHAPTER ONE: INTRODUCTION.....	1
BACKGROUND OF NAGRC&DB.....	1
1.1 Background of NAGRC & DB.....	1
1.2. LOCATION OF THE ORGANIZATION.....	2
1.2.1 Email Address.....	3
1.2.2 VISION STATEMENT.....	3
1.2.3 MISSION STATEMENT.....	3
1.2.4 GOALS.....	3
1.2.5 CORE VALUES.....	3
1.2.6 Concept of the organization.....	4
1.3 OWNERSHIP OF THE ORGANIZATION.....	4
1.3.1 SECTOR OF OPERATION.....	5
OBJECTIVES OF INTERNSHIP.....	6
CHAPTER TWO: DUTIES AND RESPONSIBILITIES.....	7
2.1 DAIRY AND CALF MANAGEMENT.....	7
2. 1.1 milking cows and keeping milk records.....	7
2.1.2 Bucket feeding calves.....	8
2.1.3 Cleaning the milking parlor and milking utensils.....	8
2.2 Deworming the calves.....	8
2.3 Ear tagging.....	9
2.4 Castration.....	9
2.5 Dehorning and disbudding.....	10
2.7. Identifying animals on heat.....	12
2.9 Pregnancy diagnosis (P.D).....	13
2.10 Multiple Ovulation and Embryo Transfer (MOET).....	14
2.14 POULTRY SECTION.....	16
2.14.1 Feeding;.....	17
2.14.2 Poultry Housing;.....	18
2.14.3 Turning of litter.....	18
2.14.5 Other management practices carried out in the poultry section include;.....	19
2.14.6 HATCHERY UNIT.....	19
2.14.6.1 Sorting area.....	19
2.14.6.2 Cold room.....	19
2.14.6.3 Setter room.....	20
2.14.6.4 Hatcher room.....	20
2.15 PIGGERY SECTION.....	21
2.15.1 QUALITIES OF A STANDARD PIG STY.....	21
2.15.2 Feeding.....	21

2.15.3 Treatment of abscess in swine.....	21
CHAPTER THREE.....	23
3.1 New knowledge and skills gained.....	23
3.2 Major strengths (benefits) of the field attachment.....	23
3.3. Major weaknesses during the field attachment.....	24
3.4. Level of accomplishment.....	24
3.5 Relationship with other staff.....	24
CHAPTER FOUR.....	25
4.1 CONCLUSION.....	25
4.2 RECOMMENDATIONS.....	25
4.2.1. To Busitema University.....	25
4.2.2. To LES NAGRC&DB.....	25
APPENDICES.....	26
PICTURES OF SOME ACTIVITIES I PARTICIPATED IN DURING INTERNSHIP.....	29
MAP OF AREA OF ATTACHMENT.....	31
REFERENCES.....	32

LIST OF ABBREVIATIONS.

NAGRC & DB: National Animal Genetic Resource Centre and Data Bank.

MAAIF: Ministry of Agriculture, Animal Industry and Fisheries

LES: Livestock Experimental Farm.

AI: Artificial Insemination.

OTC: Ox Tetracycline

PD: Pregnancy Diagnosis.

I.e. that is to say

E.g. example given.

FAWEU: Forum for African Woman Educationalists.

MOET: Multiple Ovulation and Embryo Transfer

Dr. Doctor

Mr. Mister

Mrs. Misses

LG: Local Government

Etc.: And many others

Km: Kilometers

Sq: Square

Fig: Figure

Ft: Feet

S/c: Subcutaneous

IB: Infectious Bronchitis Disease.

LIST OF TABLES AND FIGURES.

Table 1 showing oral administration of Vermonil in cattle.	9
Table 2 showing a few diseases, signs and treatment.	16
Table 3 Showing the vaccination schedule for Kuroiler at NAGRC&DB.	20
Figure 1 organisation structure of the farm.	5
Figure 2 MAP OF AREA OF ATTACHMENT.	31

✓

ABSTRACT.

This industrial training was carried out at Livestock Experimental Farm NAGRC & DB, One of the farms under NAGRC and DB is the **Livestock Experimental Station (LES)** which is located in Wakiso district 7 km from Kitooro along Entebbe Airport Road, around the shores of Lake Victoria

During this period, a variety of activities were carried out e.g. milking, bucket feeding calves, intensive system of poultry management, castration, dehorning, spraying goats and calves, dipping cattle, heat detection, artificial insemination, pregnancy diagnosis, multiple ovulation and embryo transfer, swine management, fencing, disease diagnosis and treatment, deworming, pasture management and pasture conservation in which new skills and exposure to various field cases or activities were gained.

Despite the fact that a number of challenges were encountered especially lack of enough equipment like pangas, hoes and slashes, poor pastures, lack of source of information and lack of sufficient drugs for disease treatment, the industrial training was very beneficial in building up my future career and improving on my professional ethics as related to my course of animal production and management.

I would recommend that the administrators of Busitema University provide some little amount of money to the field supervisors to motivate them to provide sufficient training and skills to students during the field attachment.

To LES NAGRC & DB, I recommend that the managing staff equips the farm with sufficient tools, bid for more drugs from the government for proper disease control and also renovate some of the farm building especially the milking parlor and the calf pen.

CHAPTER ONE: INTRODUCTION.

BACKGROUND OF NAGRC&DB.

1.1 Background of NAGRC & DB

The National Animal Genetics Resources Centre and Data Base (NAGRC &DB) was established by Government of Uganda through the Animal Breeding Act, 2001. It is one of the statutory semi-autonomous bodies of the ministry of Agriculture, Animal Industry and fisheries (MAAIF) for the purpose of providing Agricultural Research services under the policy guidance of the National Agricultural Research Service Organization (NARO) with a mandate to oversee and spearhead animal breeding activities in the country. NAGRC&DB also performs a conservation role of the indigenous animal breeds such as the Ankole, the small East African Zebu among the cattle, the Mubende- goats, small East African goats, among others.

Formation of NAGRC &DB was part of the fulfillment of the aspiration in the National Animal Breeding Policy (1997), document and the Action Plan for its implementation providing guidelines to all the actors in the animal breeding and production value chain. The actors included input supplies, farmers, companies, researchers, extension workers and civil leaders on suitable breeds for the various ecological and production systems.

It also provided alternative breeding programs imports, exports and trade in genetic materials, breeding and management systems for conservation and suitable use of indigenous genetic resources and use of modern breeding technologies in the country.

NAGRC&DB was established with twofold mandate, namely; To play a leading role in the commercialization of animal breeding activities in Uganda and to carry out develop activities that enhance animal genetic improvement and productivity specifically

Commercial activities included;

- a) Availing for sale semen, eggs, ova, embryos and associated equipment.
- b) Management of farms for production, selection and sale of superior dams and sires.
- c) Rearing of sire stands for production and sale of semen.
- d) Production and sale of liquid nitrogen and associated equipment.
- e) Production and sale of founder breed stock of fisheries resources.