



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

32+17

49/60

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 AT THE NATIONAL ANIMAL
GENETIC RESOURCES CENTRE AND DATA BANK (NAGRC & DB), LIVESTOCK
EXPERIMENTATION STATION (L.E.S)**

P.O BOX 183 ENTEBBE .

COMPLIED BY

Draru Favour Vanessa

BU/UP/2017/182

dfavourvanessa@gmail.com

**AN INDUSTRIAL TRAINING REPORT TO BE SUBMITTED TO THE FACULTY OF
AGRICULTURE AND ANIMAL SCIENCES IN PARTIAL FULFILLMENT OF
THEREQUIREMENTS FOR THE AWARD OF A BACHELOR OF ANIMAL
PRODUCTION AND MANAGEMENT, BUSITEMA UNIVERSITY ,ARAPAI CAMPUS.**

✓

SEPTEMBER, 2019.

DECLARATION

I, **Draru Favour Vanessa BU/UP/2017/182**, declare that the information contained in this report is my original compilation, and has never been submitted to any academic institution and/or university for the award of any academic qualification.

Draru Favour Vanessa

Sign: 

Student

Busitema University, Arapai campus


Wabasa Anthony

Sign: 

Assistant manager, NAGRC, L.E.S

Field supervisor

Dr.Kisakye Hellen

Sign: 

Lecturer - Busitema University

Academic supervisor

DEDICATION

I dedicate this report to the Almighty God for having protected me throughout the training, my entire family for their tireless effort in my academic struggles and all those who supported me in all possible ways.



ACKNOWLEDGMENT

I thank the Almighty God for the providence that was able to sustain me through the whole industrial training period.

I would like to extend my heartfelt gratitude to the whole body of **NAGRC & DB (L.E.S)** and **Dairy Development Authority (DDA)** for the great opportunity they granted us to do the industrial training at their premises and also the skills and lessons that they impacted on us.

In a special I want to acknowledge my fellows students that we carried out the training with and the physical and academic help they rendered where possible and to both my academic and field supervisor as well.

LIST OF ABBREVIATIONS

NAGRC &DB: National Animal Genetic Resources Center and Data Bank

MAAIF: Ministry of Agriculture, Animal Industry and fisheries

L.E.S: Livestock Experimentation Station.

DDA: Dairy Development Authority

AI: Artificial Insemination

MOET: Multiple Ovulation Embryo Transfer

Dr. Doctor

Mr. Mister

E.g.: For example.

Etc.: And many others

Fig; figure

Tab; table

Table of Contents

DECLARATION.....	i
DEDICATION	ii
ACKNOWLEDGMENT	iii
LIST OF ABBREVIATIONS.....	iv
ABSTRACT	viii
CHAPTER ONE.....	1
1.0 INTRODUCTION	1
1.1 BACKGROUND	1
1.3 OBJECTIVES	3
1.4 VISION.....	3
1.5 MISSION STATEMENT.....	3
1.6 CORE VALUE.....	3
CHAPTER TWO	4
2.0 Orientation.....	4
2.1 Poultry Section	4
2.1.1 Feeding birds.....	4
2.1.2 Egg collection.....	5
2.1.3 Record keeping	5
2.1.4 Hygiene and cleaning	5
2.1.5 Turning litter	5
2.1.6 Vaccination.....	5
2.2 Dairy section.....	6
2.2.1 Multiple Ovulation and Embryo Transfer (MOET)	6
2.2.2 Dipping	7
2.2.3 Artificial Insemination	7
2.2.4 Milking.....	8
2.2.5 Pasture Establishment/ Management	9
2.3 Hatchery Section	9
2.3.1 Collecting Room	9
2.3.2 Cold Room	10
2.3.3 Setter Room.....	10

2.3.3 Setter Room.....	10
2.3.4 Candling Room.....	10
2.3.5 Hatcher Room.....	10
2.4 Piggery Section.....	11
2.4.1 Feeding/ Provision of water.....	11
2.4.2 Administering of Iron to piglets.....	11
2.4.3 Deworming Piglets.....	11
2.4.4 Castration.....	11
2.4.5 Pig Housing.....	12
2.4.6 Identification [ear tagging].....	13
CHAPTER THREE.....	14
3.0. IMPACT OF ATTACHMENT.....	14
3.1 Skills gained from the attachment.....	14
3.2 Responsibilities undertaken during the attachment period.....	15
3.3 Influence of attachment on my future carrier.....	15
3.5 Correlation of attachment activities with classroom knowledge.....	15
CHAPTER FOUR.....	16
4.0 CONCLUSIONS AND RECOMMENDATIONS.....	16
4.1 Challenges faced include;.....	16
4.2 Recommendations.....	16
Appendix 1; Work Plan.....	18
Appendix 2; Poultry Section.....	21
Appendix 2; Farm structures.....	22
Appendix 3; Dairy section.....	23
Appendix 4; Piggery section.....	24

ABSTRACT

NAGRC and DB was established with a twofold mandate, namely; to play a leading role in the commercialization of animal breeding activities in Uganda and to carry out development activities that enhance animal Genetic improvement and productivity, Specifically the commercial activities[responsibilities].NAGRC consists of an administrative structure i.e. from Board of directors to various managers. Orientation was conducted for the first two days at the farm by Mr. Nuwamanya Clement and Sgt. Odwong Martin. At LES Entebbe there were three enterprises i.e. Poultry, dairy and piggery sections. Activities carried out included the following: feeding ,watering, milking, AI, MOET, castration ,record keeping, vaccination, fencing, bucket feeding, pasture management and establishment, egg candling, egg collection and others

Skills gained from the attachment

- Operation of the hatchery machines and setting at right temperature
- Gained skills in the animals section.
- Feed formulation.

Influence of attachment on my future carrier

- I was able to apply the theory I learnt in class in the field areas of animal management practices.
 - The theory was applied in activities like AI, construction of cattle shed, and many others.
 - I was able to identify the drugs taught in class and how to treat their respective diseases
- Challenges faced include;** poor communication, lack of accommodation, failure of internees to participate in activities practically, delayed delivery of feeds and otherequipment.

Recommendations.

Provision of a water storage tank, need to keep accurate records in order to ascertain the accurate amount of milk produced, eggs collected and sorted in a day

CHAPTER ONE;

1.0 INTRODUCTION

1.1 BACKGROUND

The National Animal Genetic Resources Centre and Data Bank (NAGRC AND DB) was established by Animal Breeding Act, 2001 in 1950 before Independence sitting on 32 acres of land. Initially, it was called veterinary training complex institute and acted as a quarantine Centre then taken over by MAAIF in 1990. It's one of the statutory semi-autonomous bodies of the Ministry of Agriculture, Animal Industry and Fisheries (MAAIF). Formation of NAGRC AND DB was part of the fulfillment of the aspirations in the National Animal Breeding Policy (1997), documents and the Action the action plan for its implementation providing guidelines to all actors in Animal Breeding and production value-chain. The actors include input suppliers, farmers, companies, researchers, extension workers and civic readers on suitable breeds for the various ecological and production systems. It also provided for alternative breeding programs; import, export and trade in the genetic resources and use of modern breeding technologies in the country. NAGRC and DB was established with a twofold mandate, namely; to play a leading role in the commercialization of animal breeding activities in Uganda and to carry out development activities that enhance animal Genetic improvement and productivity, Specifically the commercial activities[responsibilities].