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**INDUSTRIAL TRAINING REPORT CARRIED OUT AT LIVESTOCK
EXPERIMENTAL STATION, NATIONAL ANIMAL GENETIC RESOURCES CENTRE
AND DATA BANK (NAGRC & DB) FROM 20TH MAY TO 26TH JULY 2019**

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COURSE CODE: APM 1209

**TO BE SUBMITTED TO THE OFFICE OF EXTENSION AND AGRIBUSINESS
DEPARTMENT FOR PARTIAL FULFILLMENT FOR THE AWARD OF A DEGREE
IN ANIMAL PRODUCTION AND MANAGEMENT AT BUSITEMA UNIVERSITY -
ARAPAI CAMPUS**

SEPTEMBER 2019

✓

DECLARATION

I **Ssewanyana Brian** declare that this report is my original compilation and has never been submitted to any other institution for the award of any academic document.

Signature..... *BS*

Date *24th/07/2019*

This report has been approved by;

Field supervisor (Mr. ANTONY WABASA)

Signature..... *AWABASA*

Name..... *WABASA ANTONY*

Date..... *24/7/2019*

Academic supervisor

Signature..... *AKM314*

Name..... *Dr. H. KUSAKEYE*

Date..... *02/09/19*

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DEDICATION

I would like to dedicate this report to my entire family especially my wonderful lovely mother Mrs. Mayimuna Nakajwala, my father Mr. Kityo Benard, My Lovely sister, Brenda and all my relatives and friends for their unremitting care and support physically, emotionally and financially during my internship period.

I would also like to extend more love and dedication to my Field supervisors **Mr. Antony Wabasa** who is the assistant manager at NAAGRC and GB and all the staffs for having helped me to learn practical skills through field works and other real life situations.

Finally, I dedicate this work to God for his guidance and protection during the training.

ACKNOWLEDGMENT

I express gratitude to the Almighty God for the wonderful gift of life granted to me during my internship and making me reach all this far in my academic journey, may his name be adored and glorified.

A special appreciation also goes to my Lovely parents, sisters and brothers for the continuous care and support to me during my industrial training.

Special thanks and honor also goes to Mr. Wabasa Antony my field supervisor who helped me gain a lot of skills during the training.

Lastly to all the Course mates and all my lecturers for the unremitting courage provided which steered me to conduct my internship with a lot of determination.

May the Almighty God safeguard, bless and provide all your needs according to his riches in Glory.



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LIST OF ABBREVIATIONS

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

MAAIF: Ministry of Agriculture, Animal Industry and Fisheries

MOET: Multiple Ovulation and Embryo Transfer

AI: Artificial Insemination

Dr, Doctor

i.e. That is to say

Mr, Mister

Mrs, Misses

LG: Local Government

E.g.: For example

Etc.: And many others

Km: Kilometers

Sq: Square

Fig: Figure

Ft: Feet

S/c: Subcutaneous

IB: Infectious Bronchitis Disease

LES: Livestock Experimental Station

NCD: New Castle Disease

LIST OF TABLES AND FIGURES

Table 1: Showing the weekly milk production for NAGRC&DB

Table 2: Showing the feed intake for chick kuroilers

Table 3: Showing the water intake for chick kuroilers

Table 4: Showing the floor space for kuroilers.

Table 5: Showing the vaccination schedule for Kuroiler at NAGRC&DB.

ABSTRACT

This is an internship report carried out from 20th May to 26th July relating the significant practical points of view of my industrial training period at LES/ NAGRC&DB. Here, I was exposed to 3 majorly basic enterprises i.e. Dairy, Piggery and Poultry-Hatchery. Activities done here aimed at emphasizing breeding through provision of the practical essential management skills of the above mentioned enterprises.

I was able to gain a variety of skills through all enterprises during this period. For example, I practically participated in vaccination, castration, ear tagging, feeding, treatment, milking, pasture management, administering of iron and vaccines as well as other management practices across all enterprises/sections at NAGRC&DB/ LES.

After obtaining various skills and knowledge through exposure, I correlated my theoretical knowledge and skills as a way to create a huge impact on the training with activities like, pasture management, Artificial Insemination, Multiple Ovulation and Embryo transfer, castration, ear tagging, among other many more activities.

My day to day contributions through participating in the above mentioned activities derive the facts contained in this attachment and wrap up my entire experience to therefore propose my general plans of action basing on my findings.

In conclusion, the entire industrial training offered additional benefits out of class activities and a great exposure to the field of implementation.

CHAPTER ONE.

1.0 INTRODUCTION

Industrial training is basically an academic course unit majorly focusing on independent inquiry with guidance by the direction of the specified department that consciously allows students to gain insights into working around professional environments and combines practical work experience with academic analysis.

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; and 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 suppliers, 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 two fold 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.