



**INDUSTRIAL TRAINING REPORT CARRIED OUT AT LIVESTOCK  
EXPERIMENTAL STATION, NATIONAL ANIMAL GENETIC RESOURCES CENTRE  
AND DATA BANK (NAGRC & DB) FROM 21<sup>ST</sup> MAY TO 27<sup>TH</sup> JULY 2018**

**P.O. BOX 183, ENTEBBE - UGANDA**



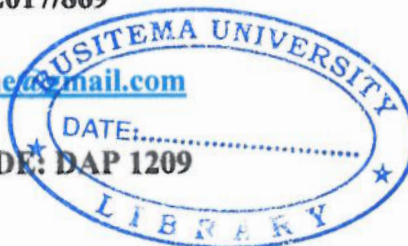
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**COURSE CODE: DAP 1209**



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

**AUGUST 2018**

**DECLARATION**

I, Lutakome Andrew declare that the information contained in this report is my original compilation and has never been submitted to any other institution for any award.

②

Sign: .....

Date: .....

This report has been supervised and is submitted for examination with the approval of my university and field supervisor,

**University Supervisor,**

Mr. Adaku Robert


Sign: .....

Date: .....

**Field Supervisor,**

Mr. Nuwamanya Clement

Date: 24/08/2018

Sign: 



## DEDICATION

I dedicate this report to my parents, Mr. & Mrs. Kyagulanyi and whoever contributed to the success of my industrial training.



## ACKNOWLEDGMENT

I am so grateful to God and my parents Mr. and Mrs. Kyagulanyi for their love and energy extended towards my education from the start of my academic journey. I acknowledge the great work done by my fellow trainees and the entire LES/ NAGRC&DB staff and management who in different capacities provided guidance that enabled me acquire all that I needed to make my entire industrial training a success. May the almighty God bless you all abundantly.

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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





## 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

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## ABSTRACT

The information contained in this report describes the activities I participated in from 21<sup>st</sup> May to 27<sup>th</sup> 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 castration, ear tagging, feeding, treatment, milking, pasture establishment, 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, establishing pastures, Artificial Insemination, Multiple Ovulation and Embryo transfer, castration, 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.

(b)

## 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, 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.