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**BUSITEMA UNIVERSITY, FACULTY OF AGRICULTURE AND ANIMAL SCIENCE  
ARAPAI CAMPAS.**

**A REPORT ON SKILLS AND QUALIFICATIONS ATTAINED DURING INDUSTRIAL  
TRAINING AT LIVESTOCK EXPERIMENTAL STATION AND QUARANTINE  
CENTRE – NAGRC&DB.**

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

**FROM 28<sup>TH</sup> FEBRUARY TO 22<sup>ND</sup> MAY 2022**

**COMPILED BY;**

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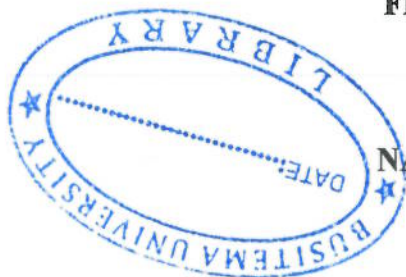
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**COURSE NAME; INTERNSHIP**

**COURSE CODE; DAP1301**



**A REPORT SUBMITTED TO THE DEPARTMENT OF ANIMAL PRODUCTION AND  
MANAGEMENT IN PARTIAL FULFILLMENT FOR THE AWARD OF THE  
DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT AT BUSITEMA  
UNIVERSITY ARAPAI CAMPAS.**

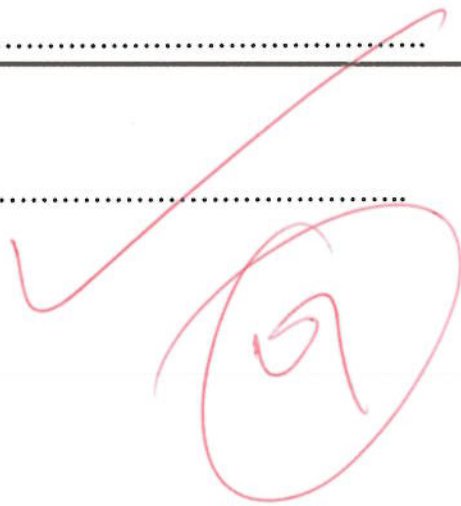
**DECLARATION**

I NANYOMBI VICTORIA MARY clearly declare that this work has been done by me as result of the internship program I had at LES and it has not been submitted for the award of a diploma in any other University or institution.

Signed .....  .....

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Date ... 18/05/2022 .....



**APPROVAL PAGE**

The content in this report has been reviewed, cross checked and approved by,

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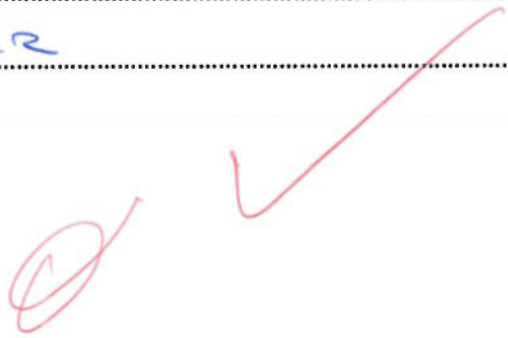
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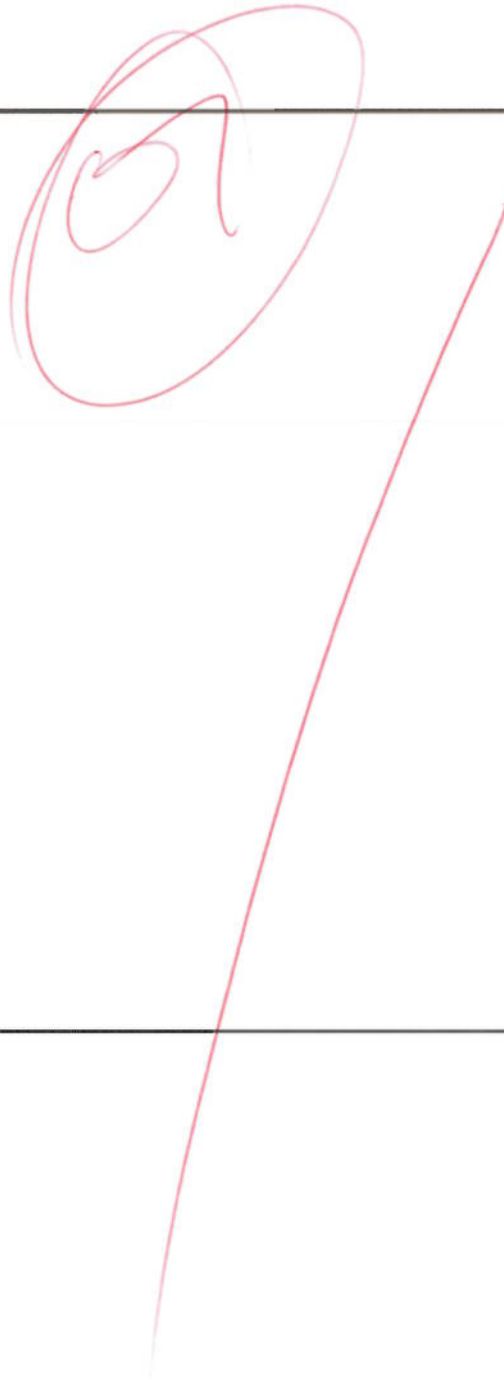
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*18/05/2022*



## DEDICATION

This work is dedicated to my parents Mr. Mulekwa Steven and Mrs. Sunday Victoria and big brother Zziwa Christopher who have supported me not only academically but also in all aspects of life and are still supporting me up now when am at the university. I also dedicate it to my other siblings who always support and encourage me in what I do.



## ACKNOWLEDGEMENT

Firstly, I would like to thank the Almighty GOD who has protected me through the training period. Then, I would like to express my deepest thanks to the Human Resource-NAGRC&DB Livestock, Mr. Gregory and the entire organization of National Animal Genetic Resources and Data Bank in the Ministry of Agriculture, Animal Industry and Fisheries for accepting me to do my industrial training on one of their farms. I would like to recognize the invaluable assistance of; The manager Livestock Experimental Station, Rwakaburwa Godfrey and the retired manager Mr. Nathan, our field supervisor Mr. Mugeni Isaac and our university supervisor Dr. Etiag

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I would like to extend my deepest gratitude to Mr. Wabasa Anthony, Mr. Emma, Mr. Dan, Mr. William and others in the diary section then special thanks to Mr. Kajumba, Madam Amina and others in the poultry section and all other members at the farm for the advice, suggestions, guidance, support including their knowledge and experience they shared with us. Finally, I would like to appreciate my course mates especially Male, Deo, Angella, Damba, Becky, Nakato, Kitone, Gerald, Etyang, Shadia, Cyrus and others with whom we cooperated and worked together during our internship at LES.

May God bless and reward you all abundantly for the kindness and sympathy towards me during the training.



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## **LIST OF ABBREVIATIONS**

### **Abbreviations**

**Mr.** Mister

**E.g.;** for example

**Etc.;** among others

### **Acronyms used at LES**

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

**LES;** Livestock Experimental Station.

**MAAIF;** Ministry of Agriculture, Animal Industry and Fisheries.

**AI;** Artificial Insemination.

**NLQC;** National Livestock Quarantine Centre

**NADDEC;** National Animal Disease Diagnostic Epidemiology Centre

**ABC;** Animal Breeding Centre

**MOET;** Multiple Ovulation and Embryo Transfer

**DDA;** Dairy Development Authority





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## ABSTRACT

**INTERNSHIP** as a course is carried out by students doing different courses in universities and institutes in various approved places within or outside. I carried out my Industrial training from 28<sup>th</sup> Feb to 22<sup>nd</sup> April 2022 at Livestock experimental station which is a government farm comprised of three main enterprises i.e.; dairy, poultry, and piggery aimed at producing high quality milk, pork, eggs, chicken, good breeds of cattle and to make agriculture more profitable for the community. During internship we were orientated by Mr. Mugeni Isaac our field supervisor who showed us the various enterprises as stated above and sections like hatchery and brooding under poultry, milking, quarantined cattle, calves under diary. We were divided into two groups A and B where I personally belonged to group A. I cooperatively and actively participated in the different activities carried out and gained skills and knowledge like deworming, tick control, chick vaccination, pasture management, diagnosis and treatment of diseases, record keeping etc. I was in position of getting practical knowledge and skills in line with my career which was part of my objectives. LES is a well-established farm in various aspects like farm structures, production and management in line with animal health and animal welfare. However, some challenges were faced like poor record keeping, diseases e.g. mastitis, dystocia, lameness of cattle which is sometimes due to tightly tying and beating of animals during milking which does not promote animal welfare. We also faced some challenges of accommodation where we had no provision of food and shelter. I therefore recommend for the employment of well-trained specialists who can handle dystocia and other diseases and skilled personnel in milking, construction of hostels to accommodate intern students etc. The training also revealed that production and management in any enterprise are two different broad activities which must move hand in hand for any farm to get the expected profit or even more. Production and management require a lot of hard work, sacrifice, dedication and determination. I therefore conclude that more animal husbandry officers should be trained to guide and advise farmers who are facing hardships in production and management.

X

## CHAPTER ONE;

### 1.0 INTRODUCTION

Livestock experimental station (LES) is a government owned farm under National Animal Genetic Resources and Data Bank in the Ministry of Agriculture, Animal Industry and Fisheries. This farm mainly operates in three main enterprises; poultry, piggery and dairy cattle. It also deals with improvement of genes using artificial insemination and multiple ovulation transfer.

### 1.1 BACKGROUND OF LES

#### **Location and area**

LES is situated in Wakiso district 7 miles from Kitooro trading Centre along Entebbe International Airport Road, along the shores of Lake Victoria, Busiro County, Katabi sub-county, Bugonga Parish, Kigungu Village. In the past, it was covering an area of 132 acres of land before the expansion of the International airport which covers part of its land now. Some of the land has now been transferred for the purpose of airport expansion. Most of the cattle were also transferred to other farms in Ruhengere, Kabanyoro, Rushere and others which are also under NAGRC&DB.

The farm in Entebbe was established in 1950's by the British government. Initially it was called Veterinarian Training Complex to act as a veterinarian training station as well as a Quarantine station for animals. In 1990, it was handed over to MAAIF as NAGRC&DB - LES.

LES is a branch of NAGRC&DB, a government organization under the Ministry of Agriculture, Animal Industry and Fisheries with its headquarters in Entebbe. Its address is P.O. Box 183 Entebbe-Uganda. Telephone: 0414 320 831, Fax: 256-41349422, Email: cattbrd@gmail.com.

The institution produces agricultural products e.g. milk and pure breeds of different exotic cattle like Friesians, Guernsey , Ayrshire , Jersey , Brown Swiss , which are sold to the community around and across the country.

The institution also breeds Kuroiler chicken and Rainbow chicken to produce eggs and chicks for sale to the community around and to other farmers in the country at large.

It is also a livestock training institute which trains students from different universities, communities, organizations and institutions dealing in animal management practices, so as to