



**BUSITEMA  
UNIVERSITY**  
*Pursuing Excellence*

Handwritten red scribbles and a number '4' in the top right corner.

PO Box 236, Tororo, Uganda  
Gen: +256 - 45 444 8838  
Fax: +256 - 45 4438517  
Email: info@adm.busitema.ac.ug

www.busitema.ac.ug

**AN INDUSTRIAL TRAINING REPORT CONDUCTED FROM  
28<sup>th</sup> /02/2022 TO 16<sup>th</sup> /04/2022 AT GOMBA NEXT GENERATION  
MODEL FARM LIMITED**

**BY**

**KIWANUKA JOSEPH**

**REG.NO: BU/UP/2020/1404**

**EMAIL: [josephjimmykiwanuka@gmail.com](mailto:josephjimmykiwanuka@gmail.com)**

**CONTACT: 0706233365**

**COURSE CODE: 1301**


**A REPORT SUBMITTED TO BUSITEMA UNIVERSITY ARAPI CAMPUS IN  
PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF  
BACHELOR IN ANIMAL PRODUCTION AND MANAGEMENT**

**APRIL 2022.**



**DECLARATION.**

I KIWANUKA JOSEPH, do declare that I underwent the entire industrial training and that this report is my own effort.

Signature..........Date. 18<sup>th</sup> - 05 - 2022.....

**SUPERVISORS**

NAME ..... Hellen Kangai Bwama ..... SIGN ..... Hellen Kangai .....

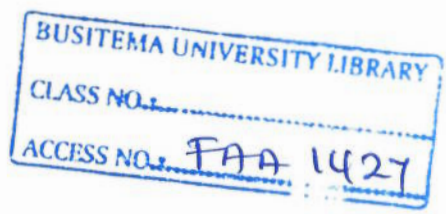
**APPROVAL**

I hereby approve that KIWANUKA JOSEPH has conducted and managed to complete his industrial training for the entire period of time required under my close supervision at Gomba Next Generation Model Farm Limited.

Signature..... *Herbert Kangon* .....Date. *18/05/2022* .....

**DR. HERBERT**

(Supervisor)



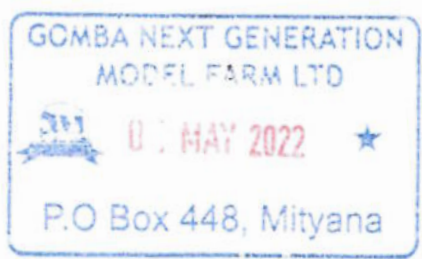
APPROVAL

I hereby approve that KIWANUKA JOSEPH has conducted and managed to complete his industrial training for the entire period of time required under my close supervision at Gomba Next Generation Model Farm Limited.

Signature.....*Herbert*.....Date *27-05-2022*

**DR. HERBERT** *KATEMDE MWSANGI*

(Supervisor)



## **DEDICATION**

This work is dedicated to my parents Mr. ZOROME KENNETH and Mrs. NAKANYIKE HELLEN who has supported me not only academically but also in all facets of life and supporting me up to now at the university. I also dedicate to my fellow comrades for example ELAIJA, KHAMIS and HASSAN. To the field supervisor Dr. HERBERT KATENDE MUSAASIZI for working tirelessly to pass on practical expertise and acquaintance to me

## **ACKNOWLEDGEMENT**

I would like to thank Mr. Phillip Kalera for establishing the farm, I would also like to thank Dr. Herbert Musaasizi Katende my field supervisor, and the entire staff at the farm, for their active support and continuous guidance throughout this industrial training. Mr. Zorome Kenneth for giving me the opportunity to conduct my industrial training at Gomba next generation farm limited.

2

**Contents**

**DECLARATION**..... i

**APPROVAL** ..... ii

**ACKNOWLEDGEMENT**..... iv

**Introduction**..... 1

**Background of the farm** ..... 1

**Mission and vision**..... 2

**Objectives of the farm**..... 2

**Organization structure** ..... 2

**Objectives of my internship** ..... 3

**CHAPTER TWO** ..... 4

**ACTIVITIES** ..... 4

**Feeding and feed formulation and mixing**..... 4

**Feed mixing for calves** ..... 4

**Silage making** ..... 5

**Cleaning**..... 8

**Branding** ..... 9

**Feeding**..... 10

**Dehorning** ..... 10

**Artificial insemination (AI)**..... 10

**Disease control**..... 11

**Milking**..... 13

**Breeding**..... 13

**Synchronization** ..... 13

**STRUCTURES AND MACHINES AT THE FARM** ..... 14

**MACHINES**..... 16

**CHAPTER THREE** ..... 17

**Skills obtained** ..... 17

**Challenges faced**..... 17

**Conclusion** ..... 18

**Recommendations** ..... 18

**APPENDICES**..... 19

## **LIST OF ABBREVIATION**

DR: DOCTOR

Mrs.: Misses

Mr.: Mister

AI: Artificial Insemination

IT: Internship

GNGMF: Gomba Next Generation Model Farm





## **ABSTRACT**

The main objective of this training was to apply the theory I have acquired into the real life to do different tasks in my field of profession. I conducted my industrial training at Gomba next generation farm limited located in Gomba district- Kigezi Sub County. Gomba next generation farm has got various structures which aid in management of the animals. Some of these include: the calf pen where calves are reared, the spray race where animals are sprayed from which is continuous with the cattle crush where the cows are restrained for various management practices like deworming. Cow pens, milking parlor, staff quarters, and the water bath at the entrance to different structures for disinfection, the fence and the kitchen are other structures found on the farm. The exercise ran from 1<sup>st</sup> April to 8<sup>th</sup> may during which I participated in a number of activities like dehorning, calf management, parasite control, synchronization, deworming, cleaning, feeding and feed formulation, milking, and many others. During this period, I acquired a number of skills like; designing a calf pen, detecting animals on heat to be served, identification of sick animals to be treated, operating a milking machine to mention but a few. However, I also encountered a number challenges like Long distance from the farm to my place of residence and poor network in the area. In conclusion, the exercise gave me a good learning experience and my objectives were achieved to a large extent.

## **CHAPTER ONE**

### **Introduction**

An internship is a discipline which aims at exposing learner to the real life experience, offering a meaningful, practical work related to student's field of study or carrier of interest. An internship gives students an opportunity for carrier exploration and development, and learns new skills .In a nutshell, it is a learning process which emphasizes hands on skills and relating theory to the practice of a professional course.

### **Background of the farm**

Gomba next generation model farm (GNGMF) occupies over 600 acres of land, in Gomba district, Maddu sub county Kiggumba village. It was started in 2018 by Mr. Kalera Phillip. Mr. Phillip developed this idea in 2017 after president Museveni's advice to all Ugandans to invest in agriculture and having made thorough research from fellow farmers both in and outside the country, he decided to venture in dairy production. He left town and begun to settle in the village. He started with 200 cattle of ankole breed, he later changed to Frisians and today the farm has over 500 cattle. The farm keeps dairy cattle, their main product being milk which is sold within neighboring districts. There are a lot of activities which take place at the farm as discussed above but in this section we shall look at the stages a cow goes through from its birth up to when it gives us milk. Breeding is by AI and sexed (female) semen is used to serve the cows. Right after birth, the cow is only allowed to lick her calf and then transferred to the calf pen where it is cared for as already described above, (proper management and care of calves ensures that they develop a strong immunity which guarantees high production, keeping other factors constant). After weaning (at 6 months), the heifers then are transferred to the heifer pen where care continues. Here, heifers are fed mainly on silage, hay and maize bran. Intensive management of heifers ensures that they reach reproductive size as early as possible so as they are served early. After birth, milking starts as soon as colostrum is over (about 2 days). The cow can be served again two months after birth and dried off when 7 months pregnant. The cycle continues