



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

31
48

39
60

P.O. Box 236, Tororo, Uganda
Gen: +256 - 45 444 8838
Fax: +256 - 45 4430517
Email: info@adm.busitema.ac.ug

www.busitema.ac.ug

**AN INDUSTRIAL TRAINING REPORT CARRIED OUT AT NATIONAL ANIMAL
GENETIC RESOURCE CENTRE AND DATA BANK
(NAGRC & DB) KASOLWE STOCK FARM**



COMPILED BY: AKOL SAM

COURSE CODE: DAP 1301

STUDENTS NO: 1900401305

TEL NO: 0773400766/0759789130

Email: samakol2000@gmail.com .

03

Employer: National Animal Genetic Resources Center and Data Bank (NAGRC\$DB) –
Kasolwe stock farm, Ministry of Agriculture, Animal Industry and Fisheries.

Location: Kasolwe Stock Farm is located in Bugabula B village, Kasolwe Parish, Kagumba Sub
County Kamuli district and 22kms from KamuliTown along Bukungu road.

**A REPORT SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND
EXTENSION FOR THE PARTIAL FULFILMENT FOR THE AWARD OF DIPLOMA
IN ANIMAL PRODUCTION AND MAMAGEMENT.**

MAY, 2022

DECLARATION

I **AKOL SAM** do solemnly declare that this report is completely my original work and it has never been submitted anywhere in any institution of higher learning for academic award of a diploma in animal production and management. All the items in this report have been collected, inspected and compiled by me under the supervision of NAGRC &DB together with Busitema University Arapai Campus as provided below;

NAME: AKOL SAM

Signature: 

Date: 15/05/2022

FARM MANAGER

Name: Mr. EPINYU DANIEL

Signature: 

Date: 06/05/2022



FIELD SUPERVISOR

NAME: Miss APAJE LOYCE

Signature: 

Date: 06/05/2022

ACADEMIC SUPERVISOR

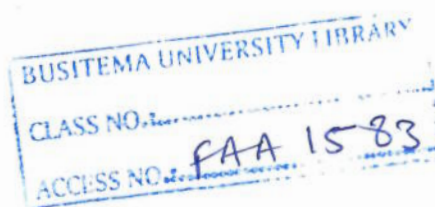
NAME: HAMIRA JUNUSU

Sign: 

Date: 16th / MAY / 2022

DEDICATION

I profoundly and sincerely dedicate this piece of work to my beloved parents Mr. OPOLOT CHARLES & Miss. APEDUN JANET, my brother Mr. OISU AMOS for their valuable contribution towards my academics and to my friends Osia Paul, Twongyeirwe Kedres, to the diligent yet caring field supervisor Madam. APAJE LOYCE and Mr. EPINYU DANIEL farm manager for working tirelessly to pass on practical expertise and acquaintance to me.



ACKNOWLEDGEMENT

First and foremost, I would like to thank the almighty GOD who protected me through the training period. I extend my gratitude to the Human Resource-NAGRC&DB Livestock Mr. Gregory and the entire organization of National Animal Genetic Resources Centre 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.

Special thanks go to;

- The manager Kasolwe Stock Farm, Mr. Epinyu Daniel
- The Animal Husbandry officer, Mrs. Apaje Loyce
- The different field technicians in their respective sections at the farm
- And my fellow students at the farm at the time of the internship program.

Your infinite assistance, guidance, generosity and tolerance during the training will not be forgotten.

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

TABLE OF CONTENT

DECLARATION	i
ACKNOWLEDGEMENT	iii
TABLE OF CONTENT	iv
LIST OF ABBREVIATIONS	vi
LIST OF TABLES AND FIGURES	vii
ABSTRACT	viii
CHAPTER ONE;	1
INTRODUCTION	1
1.1 History of the farm.....	1
1.4 Objectives of the farm	2
CHAPTER TWO	4
DESCRIPTION OF ATTACHMENT	4
2.1. Description.....	4
2.2 Working station	4
2.3 Task description.....	4
2.3.1 Poultry section	4
2.3.2 Aquaculture section	6
2.3.3 Nutrition section:	7
2.3.4 Fencing section	8
2.3.5 Cattle section	9
2.3.6 Goat section	12
2.3.7 Piggery section.....	14
CHAPTER THREE:	16
IMPACT OF THE ATTACHMENT	16
3.1 Work climate.....	16
3.2 Mentoring condition.....	16
3.3 Skills and Qualifications gained.	16
3.5 Challenges faced during internship period.	16

3.6 Responsibilities conducted during the training.....	17
3.7 Influence of the attachment activities on future carrier plans.....	17
3.8 Correlation of attachment activities with classroom knowledge.....	17
CHAPTER FOUR:	18
CONCLUSION AND RECOMMENDATIONS	18
4.0 CONCLUSION	18
4.1 RECOMMENDATIONS.....	18

LIST OF ABBREVIATIONS

NAGRC&DB	National Animal Genetic Resources Centre and Data Bank.
KSF	Kasolwe Stock Farm
ABC	Animal Breeding Center
i.e.	That is to say
ECF	East Coast Fever
TBDS	Tick Borne Diseases
Dr.	Doctor
e.g.	For example

LIST OF TABLES AND FIGURES

LIST OF TABLES

Table 1: Showing number of birds.....	5
Table 2: Showing fish species.....	6
Table 3: Showing nutrient requirements for layers.....	7
Table 4: Showing recipes for layer birds.....	8
Table 5: Showing pastures.....	8
Table 6: Showing cattle census.....	11
Table 7: Showing number of goats.....	13
Table 8: Showing breeds and number of pigs.....	15

5P ABSTRACT

The objective of this industrial training is to make students benefit from the skills and knowledge gained from the fields, apply the knowledge they got from the classroom in the field and build confidence in the students. I held my internship at Kasolwe Stock Farm from the 28th of February 2022 to 6th May 2022. KSF is a government farm with five main enterprises i.e.; cattle, poultry, piggery, aquaculture and nutrition. It is aimed at training farmers to produce high quality and quantity milk, beef, pork, eggs, chicken, fish and feeds. The major activities include; Pond construction, sexing, sampling, grading, feeding, pond maintenance under aquaculture section, Census, disinfection of all units, inspection, treatment, isolation of sick birds, feeding, cleaning poultry units, collecting eggs, litter management, replacement of the disinfectant, assembling and installation of the hatchery in the poultry section, Feed formulation, feed mixing, postharvest handling and pasture establishment in the nutrition section, Castration, pregnancy diagnosis, branding, deworming, artificial insemination, dipping, census and verification, inspection, treatment, ear tagging in the cattle section, goats and piggery section. These activities have made me to gain a lot of skills and knowledge such as feed rationing and mixing of different animal feeds both manually and mechanically using the feed mill at the feed plant, sexing of fish that is tilapia, mirror carp and cat fish to differentiate male from female, construction of a pond by digging, sampling of fish using a fry net, grading of fish according to species, size and health, maggot production for feed formulation and pregnancy diagnosis in cattle. During internship, I also face some challenges like language barrier with some of the staff, lack of hostels at the farm, insufficient pastures, long distance moved to the farm, poor infrastructures like calf pen units and employment of professionals who can speak common language, speeding up construction of hostels, renovation of poor infrastructures, planting pastures and pasture preservation were some of the possibilities. In conclusion all the activities were implemented and industrial training was carried out successfully. I was able to gain a lot from it. I was in position of getting practical skills and knowledge in line with my career and relating with people in the field. Much as all were successfully done, there were also some little challenges which hindered the smooth running of the activities making me recommend that more animal husbandry officers should be trained to guide and advise farmers who are facing hardships in production and management.

CHAPTER ONE;

INTRODUCTION

1.1 History of the farm

Kasolwe Stock Farm started in 1969. It is located in Bugabula 'B' village, Kasolwe Parish, Kagumba Sub County Kamuli district and 22kms from Kamuli town along Bukungu road.

Initially, the farm was citrus farm but, due to insufficient water sources, it was later transformed into a Friesian /Dairy farm which did not thrive due to insurgency and until about 2003 when the farm transit to conservation livestock farm for especially, the indigenous East African Short Horned Zebu [EASHZ], and small East African goat. This key result area is in the line with the conservation of Biodiversity, sustainable utilization and development of indigenous animal genetic resources NAGRC & DB as it stipulated in the five year [2015/16-2020/21] strategic development plan

Kasolwe Stock Farm also started an upgrade of the indigenous EASHZ with the Jersey breeds of Dairy cattle to meet the community demand in terms of milk. Until Financial year 2019/20, Under Busoga Livestock Transformation Project farm is in the revolutionization of livestock farming into center of excellence to serve the entire eleven districts of the greater Busoga region [Kamuli, Jinja, Mayuge, Bugiri, Iganga, Namutumba, Bugweri, Buyende, Luuke and Namayingo]

This revolution was formulated to increase resilience, Wealth and positive livelihood outcomes among the small players along the livestock value chain. This project is focusing on enhancing livestock production and productivity for the different livestock species; Cattle [Dairy and Beef, Goats [Meat goats], Piggery, Poultry [Duo purpose birds-Kuroiler] and fish. The goal of the project is to increase the production and productivity of small holder farmers in the greater Busoga region with the revitalization of the Kasolwe stock farm to serve as a center of excellence for Animal Resources Business Incubation, Breeding and innovation

1.2 Vision of the farm

To be a leading, profitable production and efficient delivery of animal genetic resources and services of East Africa