

**BUSITEMA
UNIVERSITY**
Pursuing Excellence

P.O. Box 236, Tororo, Uganda
Gen: +256 - 45 444 8838
Fax: +256 - 45 4436517
Email: info@admin.busitema.ac.ug

www.busitema.ac.ug

**BUSITEMA UNIVERSITY FACULTY OF AGRICULTURE AND ANIMAL SCIENCES
ARAPAI CAMPUS**

**INDUSTRIAL TRAINING ATTACHMENT REPORT CARRIED OUT IN BUSITEMA
UNIVERSITY ARAPAI CAMPUS FARM, SOROTI**

COMPILED BY



OUTA HANNINGTON

REG NO: BU/UG/2019/2947

DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

0785708268

outa2019hannington@gmail.com

**TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSSINESS AND EXTENSION IN
THE PARTIAL FULFILMENT FOR THE REQUIREMENT OF THE AWARD IN
DIPLOMA IN CROP PRODUCTION AND MANAGEMENT**

MAY 2022

TABLE OF CONTENTS

TABLE OF CONTENTS	i-ii
DECLARATIONS	iv
DEDICATION	v
ACKNOWLEDGEMENT	vi
LIST OF ABBREVIATIONS:.....	vii
LIST OF TABLES AND FIGURES:	viii
ABSTRACT:	viii
CHAPTER ONE	10
1.1. INTRODUCTION.....	10
1.2 BACKGROUND OF ARAPAI CAMPUS FARM BUSITEMA UNIVERSITY.	10
1.3. LOCATION OF ARAPAI CAMPUS FARM BUSITEMA UNIVERSITY.	10
1.4. THE VISION OF BUSITEMA UNIVERSITY.....	10
1.5. THE MISSION.....	10
1.6. OBJECTIVES OF THE UNIVERSITY.....	10
1.7. COLLABORATION.....	10
1.8. OBJECTIVES OF THE INTERNSHIP.	11
CHAPTER TWO	12
2.0 DESCRIPTION OF ATTACHMENT PROGRAM ACTIVITIES	12
2.1. GREENHOUSE ATTACHMENT.....	12
2.2.0 The crops been cultivated in the greenhouse.....	12
2.2.1 HORTICULTURE CROPS;	12
2.2.2 AGRO FORESTRY PLANTS;	12
2.3. The rooting media and seedbed preparation in the greenhouse.	12
2.3.1 ROOTING MEDIA;	12
2.3.2 SEEDBED;.....	13
2.3.3. In our discussion we came up with the following as the importance of green house; .	13
2.4. Planting of cucumber;	13
2.5. During our discussion with the field technician we also discussed on the following propagation techniques used on crop improvement of specifically mango and citrus in the greenhouse;.....	13
2.5.1GRAFTING;	13
2.5.2 BUDDING;.....	13

2.6. The activity I carried out in the greenhouse was weeding of the tomato.....	13
Advantages of weeding in tomatoes.....	13
2.6.1. BANANA ATTACHEMENT PLANTATION	14
2.6.2 I carried out the following activities at the banana plantation;.....	14
2.6.3. We also discussed the following during our interaction in the banana plantation with the help the field technician;.....	14
I identified the following banana pests.....	15
.2.7..ORCHARD ATTACHEMENT PROGRAM ACTIVITIES.....	15
2.7.1 With the help of the field technician we shared on the following in our interaction at the field as the requirements for field marking.....	16
2.7.2 In our discussion we came up with the following as the importance of field marking knowledge.....	16
2.7.3 The key activities I carried out in orchard attachment program.....	16
2.7.4. Digging of the planting holes for the mango seedlings;	16
2.8. PIGGERY ATTACHMENT PROGRAM ACTIVITIES;.....	16
2.8.1. FEED FORMULATION FOR DIFFERENT PIG AGE GROUP;	17
2.8.2. CLEANING OF THE PIGGERY UNIT;	17
2.8.3. We also came up with the following as other management practices carried out in pig production in our discussion with the field technician;	17
2.8.4. We discussed on drug identification and usage, and we were able to come up with the following information with the help of the field technician.....	18
2.9.1 Advantages of disease diagnosis in bovine.....	18
2.9.2 IMPORTANCE OF SPRAYING.....	19
TREATMENT OF THE ANIMALS	19
2.9.3 BENEFITS OF THE ACTIVITY	19
DEDUDDING ON CALF.....	19
PROCEDURE OF CARRYING OUT THE ACTIVITY.....	20
BENEFITS OF THE MANAGEMENT PRACTICE;.....	20
CHAPTER THREE:	20
THE IMPACT OF ATTACHMENT.....	20
3.1 Work climate.....	20
3.2 Mentoring condition	20
3.3 SKILLS AND KNOWLEDGE GAINED.....	20
3.4 Challenges faced.....	21
3.5 Responsibilities conducted during the training.....	21

3.6 Influence of the attachment activities on future carrier plans 21

3.7 Correlation of attachment activities with classroom knowledge 21

4.0. CHAPTER FOUR 22

CONCLUSIONS AND RECOMMENDATIONS. 22

4.1. CONCLUSION. 22

4.2. RECOMMENDATIONS; 22

TABLE .1 ORGANIZATIONAL STRUCTURE OF ARAPAI CAMPUS FARM. 25

BUSITEMA UNIVERSITY LIBRARY
CLASS NO.
ACCESS NO. FAA 1628

DECLARATIONS

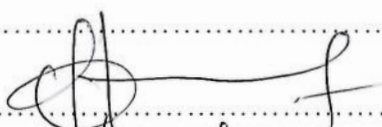
I Du'a HANNING declare that information contained in this report is my own and it's not copied from any individual either been submitted by any institution or organization.

Signature: 

Date: 2nd / 05 / 2022.

Supervised by: Dr. Okwagwu Patrick

Name:

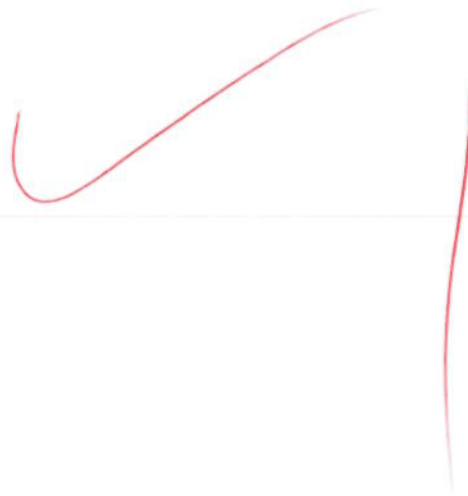
Signature: 

Date: 2 / 03 / 2022



DEDICATION

I dedicate this report to the Almighty God who is the giver of everything in my studies, spiritual and material desires in my life, my beloved parents and sibling, my colleagues in this internship at Arapai campus farm and above all the administrators' and the staff of Busitema university Arapai campus and all those who offered a hand of assistance during my industrial training.



ACKNOWLEDGEMENT

I am grateful to Busitema University Arapai campus faculty of agriculture and animal sciences for offering me a place to do my industrial training, department of crop production and management for facilitating my IT by taking me through various attachment programs in crop production and management, my sincere thanks go to administrator's 'and staff of Busitema university Arapai campus. Also, I want to thank my colleagues at the place of internship those in certificate, diploma and bachelor for their support and helping me to achieve industrial training. A Special attention to the following technicians Mr. Oonyu source peter, Mr. Muhindo William, Madam Eunice

LIST OF ABBREVIATIONS:

ICM: integrated crop management.

FAO: Food and Agricultural Organization.

CAN: calcium Ammonium Nitrate.

CM: centimeter.

IPM: Integrated Pest Management.

GHGS: Greenhouse Gases

IITA: international institute of Agriculture.

OTC: oxytetracycline



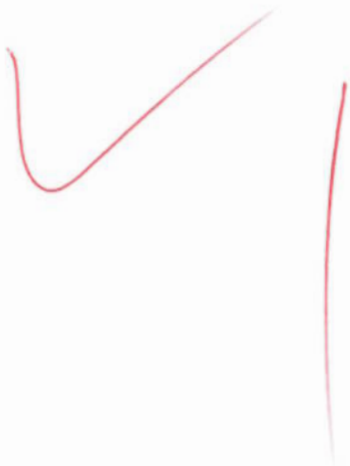
LIST OF TABLES AND FIGURES:

Table 1; showing banana diseases, symptoms, transmissions and control measures taken.

Table 2; showing banana pests, damage cause, symptoms and control measures

Table 3; showing active ingredient of drug, rout of administration, dosage and function of drug.

Table 4; showing work plan for the activities I carried out during industrial training attachment programs in crop and animal sections.



ABSTRACT:

This report contains and describes the activities implemented, skills and qualifications gained, challenges faced during the industrial training, conclusion of the report and recommendations derived from the challenges faced. The objective of this industrial training is to make students benefit from the skills and knowledge gained from the fields, apply the knowledge they get from the classroom in the field and build confidence in the students. During internship I was attached to the department of crop production and management and some animal sections. This was followed by orientation where I was first introduced to the farm and later, I implemented the activities such as; dehorning of animals, deworming, cleaning the piggery unit, planting of Napier grass, establishment of banana plantation, animal diagnosis, mixing of feeds for feeding animals such as pigs and cattle in the farm. We also learnt how relate and communicate with others. These activities have made me to gain a lot of skills and knowledge like; Deworming of goats and cattle, skills in Castration, skills in general management of animals, communication skills and confidence in training farmers on animal and crop management, during internship, I also faced some challenges like; limited plant seeds in crop section, prolonged drought that affected our planning in activities such as establishment of Napier pastures. Limited veterinary drugs and equipment to use at the farm, 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 the university provides the farm section with all the necessary equipment needed for the smooth running of farm activities and also can also better the learning aspect of students with in the university mostly in practical aspect of learning. Government should also increase more equipment and veterinary drugs to be installed so that animals are treated and vaccinated in time.

CHAPTER ONE

1.1. INTRODUCTION.

Busitema University is a public university established by statutory instrument NO. 22, 2007 enacted by parliament on 10th.may, 2007. The university is a multi-campus model with seven campuses namely; Arapai, Busitema, Kallio, Mable, Nagongera, pallisa and Namasagali.

1.2 BACKGROUND OF ARAPAI CAMPUS FARM BUSITEMA UNIVERSITY.

Agricultural farm at Busitema university Arapai campus was started in the year of 1959 by the colonial government. It was initially called Arapai National agricultural College for National diploma in crop and animal production programs and certificate, and then later changed to Busitema university Arapai campus faculty of agriculture and animal sciences with support from the government of Uganda providing the major funding.

1.3. LOCATION OF ARAPAI CAMPUS FARM BUSITEMA UNIVERSITY.

Arapai campus farm Busitema university is located east on Moroto road, Soroti city east Arapai town council. It's one of the six faculties of Busitema University.

1.4. THE VISION OF BUSITEMA UNIVERSITY.

To be a center of academic and professional excellence in science, technology and innovation.

1.5. THE MISSION.

To provide high standard training, engage in quality research and outreach for socio economic transformation and sustainable development.

1.6. OBJECTIVES OF THE UNIVERSITY.

- To improve the quality of research and innovation.
- To share knowledge, skills and facilities with the public and private sector.
- To develop the human resources capacity at university.
- To increase utilization of research and innovation outputs.
- To consolidate collaborative linkages and network with the public and private sector.

1.7. COLLABORATION.

Busitema University conducts its activities in collaboration with;

- Universities such as Makerere, Gulu and other local and foreign universities or institutions.