



**BUSITEMA
UNIVERSITY**
Pursuing Excellence

33/43

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

www.busitema.ac.ug

**AREPORT OF INDUSTRIAL TRAINING CARRIED OUT AT BUSITEMA
UNIVERSITY ARAPAI CAMPUS FACULTY OF AGRICULTURE AND ANIMAL
SCIENCE**

FROM 20/05/2019 TO 26/07/2019

3

COMPLIED BY

ARIKO ZAKARIA

REG NO BU/UG/2018/4075

Gmail: arikozakaria@mail.com.

COURSE CODE; DCP 1208.

PROGRAM; DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

**INDUSTRIAL TRAINING REPORT SUBMITTED TO THE DEPARTMENT OF
AGRIBUSINES BUSITEMA UNIVERSITY ARAPAI CAMPUS FOR THE PARTIAL
FULFILMENT OF THE DIPLOMA IN CROP PRODUCTION AND MANAGEMENT**

DECLARATION AND APPROVAL

I Ariko Zakaria declare that the information and data attached in this report is a manifestation of my physical and mental effort. The report is original and has never been submitted to any institution for any award. ①


Sign..... 

Date..... 26th/08/2019

the report is submitted with the approval of IT report supervisor signed below;

Field supervisor

Mr. Ewalu Moses Patrick

Sign..... 

Date..... 29/08/2019

Academic supervisor

Dr Achoroi Charles

Sign.....

Date.....

DEDICATION

with the great honour, I wish to dedicate this report to almighty God for the gift of life, my beloved father Mr., ARIKOISAAC, mother Mrs. KULENZA HARRIET, brothers , sisters and all friends for their support, tireless effort and encouragement during the IT and course of my study.

I also dedicate this to my supervisor, trainers Mr .Otim Julius and Mr. .Ewalu Moses Patrick who made the study possible.



ACKNOWLEDGEMENT

I extend my happiness and appreciation first to the almighty God for keeping me alive and safe during IT.

I also thank my trainers for the skills and knowledge they have subjected to me so as to acquire skills for future. (V)

My sincere appreciation goes to my parents ,brothers and sisters then friends for the hands of assistance during the IT.

Then I thank all the administrative for the program of industrial training that has made me achieve more for the best of my future in It period.

TABLE OF CONTENT

Declarations and approval.....	i
Dedication.....	ii
Acknowledgement.....	iii
Table of content.....	iv
List of abbreviations.....	viii
List of tables and figures.....	ix
Abstract.....	x
Chapter one.....	1
1.0 Introduction.....	1
1.1 Objectives of industrial training.....	1
1.2 Background.....	1
1.3 Climate vegetation.....	1
2.0 Chapter two.....	3
2.1 Reporting and orientation.....	3
2.2.0 Sky training.....	3
2.2.1 Phase 1: human dignity.....	3
2.2.2 Phase 2: tradition and culture.....	3
2.3 Fundamental desires of man.....	3
2.2.4. Human development (reproductive system).....	4
2.2.5. Categories of changes.....	4
2.2.6 Personal hygiene.....	4
2.2.7 How to prevent same S.T.I;.....	4
2.2.8 Tradition and culture.....	4
2.2.9 A friend.....	5
2.2.10 Bad friends influence peer.....	5
2.2.11 Abortion.....	5
2.2.12 How to stop abortion.....	5
2.2.13 Drugs and substance abuse.....	5
2.2.14 Love should not hurt (GBV).....	6
2.3 Land marking for banana suckers.....	7

2.4.0 Pasture management.....	7
2.4.1 We have 6 sections in pasture.....	7
2.4.2 Pasture seed bank.....	7
2. 4.3. Types of pastures.....	7
2.4.4. Pasture management.....	7
2.5.0 Cattle section.....	8
2.5.1 Repairing of cattle crush.....	8
2.5.2 Types of cattle crush.....	8
2.6.0 Orchard section.....	8
2.6.1 Field marking on citrus 7m by7m.....	8
2.6.2 Advantages of tissue cultivation.....	9
2.7.0 Agricultural chemicals.....	9
2.7.1 Pesticide	9
2.7.2 Objectives of agricultural chemicals to students.....	9
2.7.3 Pesticides includes;.....	9
2.7.4 Classification of pesticides.....	9
2.7.5 Objectives.....	10
2.8.0. Common diseases in crops.....	10
2.8.1. How to improve crop nutrients.....	10
2.8.2. Methods of crop improvement.....	10
2.9.0. Modern nursery bed.....	10
2.9.1 Advantages of seed tray.....	10
2.9.2 How to make organic pesticides.....	10
2.9.3 Plant organs used are;-.....	11
2.9.4 Procedures of making organic pests.....	11
2.9.5 Compost manure making.....	11
2.10.0. Disease investigation in cattle.....	11
2.10.1 Procedures/ steps of disease investigation in cattle.....	11
2.10.2 Reasons for restraining cattle.....	11
2.10.3. Detailed diagnosis on cattle.....	12
2.10.4. Pinchers teeth go away and replaced with.....	12

2.10.5 Cattle kraal repair.....	12
2.11.0 Mushroom production.....	12
2.11.1 Three modes of living can be recognized as.....	13
2.11.2 Materials used for mushroom production.....	13
2.11.3 Procedures of mushroom production.....	13
2.11.4 Objectives of training students on mushroom production.....	13
2.11.5. Procedures of mushroom production.....	13
2.11.6 Solar drying.....	14
2.12.0 Castration of pigs.....	14
2.12.0 Castration of pigs.....	14
2.12.0 Castration of pigs.....	14
2.12.2 Procedures of castration.....	14
2.12.1 Reasons for castration.....	14
2.13.0 Construction of fish pond dyke.....	14
2.14.0 Assembling of sprayers.....	15
2.14.1 Objectives.....	15
2.14.2. Types of sprayers used.....	15
2.15.1 Procedures of silage making.....	15
2.15.0 The making of silage and hay.....	15
2.16.0 Poultry production.....	15
2.16.1 Principles of poultry production.....	15
2.16.2 Feed.....	16
2.16.3 Daily routine in poultry production.....	16
2.16.4 Signs of sick birds in the farm.....	16
2.16.5 Feed formulation in poultry birds.....	16
2.17.0 Feeding in piggery.....	17
2.17.1 Different nutritional requirements in piggery production.....	17
2.18.0 Health management in piggery.....	18
2.18.1 Deworming and spraying.....	18
2.18.2 Signs of healthy pigs.....	18

Chapter three.....	21
3.0 Impact of the attachment.....	21
3.1 Skills, knowledge and attitude.....	21
3.2 Responsibilities under taken during IT.....	21
3.3 Influence.....	21
3.4 Relationship to classroom knowledge.....	21
3.5Challenges faced during the IT.....	21
4.0 Chapter four.....	22
4.1 Conclusion.....	22
4.2 Recommendation.....	22

2

LIST OF ABBREVIATIONS

e.g. – For examples

etc – and so on

kg - kilograms

% - percentage

SKY - Skilling You For Employment in Agribusiness

IT - Industrial Training

GBV – Gender Base Violence

Mr. -Mister

DCP-Diploma in crop production

①

LIST OF TABLES AND FIGURES

Table 1: Differences between milk and permanent teeth.

Table 2: shows creep feeds and growers feeds in piggery.

Table 3; Shows the work plan activities during the IT

Figures

Figure 1: Shows the draining of mushroom substrate

Figure 2: Shows the Agro chemicals identification.



ABSTRACT

This is the industrial training report that I carried out at Busitema university Arapai campus farm during the period of 10 weeks. I was carrying these activities in both crop production and animal production and management. this report contains, declaration, dedication, acknowledgement, table of contents, list of abbreviations, list of tables and figures and abstract itself.

The report contains four chapters which are designed below;

chapter one contains introduction of the IT.

Objectives of the internship, back ground of the farm, climate and vegetation around the organisation.

Chapter two of the report contains all the activities carried out during the IT like mushroom production, crop production, all agro-chemicals, planting of citrus and bananas, their measurements, identification of fertilizers, assembling of sprayers, and spraying of citrus and in animal activities includes castration of pigs, treatment of small ruminants, postmortem practice in dead animal, aging and disease diagnosis, Deworming, spraying and pasture management.

chapter three of the report talks about the impacts of attachment (IT) like skills and knowledge gained, responsibilities undertaken during the IT for example castration, banana planting, citrus planting e.t.c.

Chapter four of the report contains conclusions and recommendations, appendices and references.

The training ended successfully and skillful to students also the university needs to adjust on some section missing for effective studies during the period of industrial training



CHAPTER ONE

1.0. Introduction

Industrial training is course unit run by the University for most programmes.

This is intended to equip students with field skills and enable them to appreciate the link between The theory learnt in class and their respective professional fields. At Busitema University the activity is meant to run for 2month and 2weeks. At he faculty of agriculture and animal sciences, industrial training is done during the internship period to comply with the university requirements, from 20th may to26th July 2019.

Experience gained and observations made are reflected in this report.

1.1 Objectives of the internship

Internship offers many opportunities to students, some of them include;

- To acquire new knowledge.
- To gain practical skills and experience
- To further appreciate the use of the theory learnt in class as applied in the field .
- To improve confidence in problem solving in the real work situation.
- To enable the students learn from the challenges and demands of work places

1.2. Back Ground

Busitema University is a public university established by statutory instrument in November 22 /2007, enacted by parliament on the 10th of may 2007

It has six campuses mainly Arapai, Busitema, Pallisa, Nagongera, Mbale, and, Namasagali Arapai campus where I did my industrial training is located in the former Arapai agricultural college along Moroto road in Soroti district with an estimation of 67hectare of land.

1.3. Climate and vegetation

Arapai farm is situated in Soroti district in eastern region Uganda and it experiences bimodal rainfall partner in the months of March up to June and from September to November. The vegetation is savannah; temperatures fluctuate between 19 to 30⁰c with an average of 25⁰c and rainfall 1000mm per annum

Vision

"A centre of academic and professional excellence in science technology and innovation"