



30/13

**A REPORT OF INDUSTRIAL TRAINING CARRIED OUT AT
BUSITEMA UNIVERSITY, FACULTY OF AGRICULTURE AND
ANIMAL SCIENCES, ARAPAI CAMPUS FARM, SOROTI
DISTRICT FROM 20TH MAY 2019 TO 26TH JULY 2019.**

⊕

COMPILED BY:

ENGESU SILAS PAUL

BU/UG/2018/4065

DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

silasanyaitkms@gmail.com

0703824095, 0787349078.

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

DATE OF SUBMISSION

9th SEPTEMBER 2019

DECLARATION

I Engesu Silas Paul, declares that this report is of my own industrial training carried out at Busitema University, Arapai campus farm between 20th may 2019 and 26th July 2019 and it has never been submitted to any institution or university for any academic award.



Sign:

ENGESU SILAS PAUL

(Student)



APPROVAL

The industrial training done at Busitema University faculty of agriculture and animal sciences Arapai campus farm by Engesu Silas Paul was under my supervision and the report made of it has been his own personal work derived from the activities he conducted.

Sign: EWALU MOSES PATRICK 29/08/2019

(Red stamp)

Mr. EWALU MOSES PATRICK.

(Field attachment supervisor.)

Sign:

Dr. ACHOROI CHARLES

(University Academic supervisor)

DEDICATION

In this report, am so much anxious to recognize the efforts of my mother Mrs. Anyait Loyce, sisters Ms. Faith Lydia Anyait, Ms. Acao Brenda, my brother Capt. Julius Adengu and the entire family who offered financial, material and prayerful support together with encouragement that helped me cater for my survival during the time of industrial training and while at the university.

It is a pleasure for me to dedicate this report to you with all my heart felt gratitude.

I love you all.

May the almighty God reward you abundantly and always bless the work of your hands.

(1)

ACKNOWLEDGEMENT

Am so glad to acknowledge this report to all the people who tirelessly worked with me to make the industrial training go through successfully.

First, all the lecturers of Busitema university, faculty of agriculture and animal sciences Arapai campus who equipped me with theoretical knowledge and practical skills, in various agricultural aspects, the farm manager Dr. Okwany Patrick for granting me the chance to carry out my industrial training at the farm, my academic and attachment supervisors Dr. Achoro Charles and Mr. Ewalu Moses partrick respectively together with Mr. Ofim Julius for you made me able to carry out my industrial training activities with ease.

The efforts of the staff of the faculty were very much appealing. The farm casual labourers, who guided me through out the whole attachment period. Not forgetting all the lecturers who sacrificed their time to attend and guide me at the various farm sections.

Finally the cooperation offered by my fellow students especially Apiango Caroline, Madudu Emma, Amongin Christine, Aanyu Justine were so much relevant to the success of the industrial training.

My pleasures go to all of you, and I pray that may the almighty God bless the work of your hands and reward you abundantly.

①

TABLE OF CONTENTS

Declaration.....	i
Approval.....	ii
Dedication.....	iii
Acknowledgement.....	iv
Table of contents.....	v
List of abbreviations.....	vii
List of tables and figures.....	viii
Abstract.....	ix

Chapter one: introduction

1.1 Place of industrial training.....	1
1.2 Background.....	1
1.3 Vision.....	1
1.4 Mission.....	1
1.5 Location.....	1
1.6 Objectives of industrial training.....	2

Chapter two: description of attachment

2.1 Organization of the farm.....	3
2.2 Activities carried out during the industrial training.....	4
2.2.1 Citrus.....	4
2.2.2 Banana plantation.....	7
2.2.3 Horticulture and green house sections.....	8
2.2.4 Cattle section and piggery sections.....	11
2.2.6 Pasture section.....	13
2.2.7 Aquaculture section.....	14

2.2.8 Poultry section.....14
2.3 Training attended during the attachment.....16

Chapter three: impact of the attachment

3.1 Responsibilities undertaken during the attachment.....17
3.2 Skills and qualifications gained.....19
3.3 Influence of the attachment to the future career plans.....20
3.4 Correlation of industrial training activities to classroom knowledge.....20

Chapter four: conclusions and recommendations

4.1 Challenges.....21
4.2 Conclusions.....21
4.3 Recommendations.....22

Appendices

Appendix A- showing the work time table of the activities carried out.....23
Appendix B- showing the sketch map of the campus.....24
Appendix C- showing the photos of industrial training.....25



LIST OF ABBREVIATIONS

BUAC	Busitema University Arapai Campus
CAN	Calcium ammonium nitrate
DAP	Di ammonium sulphate
Dep't	department
Dev't	Development
e.g.	For example
Etc.	Ex-cetera
FAAS	Faculty of Agriculture and Animal Sciences
Fig.	Figure
i.e.	That is to say
Km	Kilometers
LT	Industrial Training
M	Metres
Mr.	Mister
Ms	Miss
NPK	Nitrogen Phosphorous Potassium
P.E	Poly-Ethene
SSP	Single Super Phosphate
S.T.D	Sexually Transmitted Disease
S.T.I	Sexually Transmitted Infection

①

LIST OF TABLES AND FIGURES

Tables.

Table 1: showing the characteristic differences between Valencia and Hamlin citrus Varieties.....	5
Table 2: showing citrus pests, their damage and control measures.....	6
Table 3: showing citrus diseases, signs, symptoms and control measures.....	6
Table 4: showing examples of horticultural crops, common pests and diseases that attack them.....	8
Table 5: showing fertilizers, their characteristics and nutrients they supply.....	10
Table 6: showing the recommended amounts of feed ingredients for layers.....	15
Table 7: showing the recommended amounts of feed ingredients for broilers.....	15

Figures.

Figure 1: showing an illustration of the faculty administration hierarchy.....	2
Figure 2: showing the farm organizational structure.....	3

①

ABSTRACT

This is a report of industrial training that was carried out at Busifema university faculty of agriculture and animal sciences Arapai campus from 20th may 2019 to 26th July 2019 at the campus farm. Industrial training is a technical exposure of students to field activities as one way of gaining experiences as various theories learnt in class are transformed into practical activities within a given community. It is well explained in four chapters. The objectives of the industrial training such as learning how to internalize knowledge through hands on experience, to develop various extension skills are well stated in chapter one which also describes the place of the attachment stating its location, mission and vision. The second chapter fully describes the activities that were carried out both in crop and animal husbandry sections such as pest and disease identification in the citrus orchard, renovation of the farm structures, fertilizer identification in the green house, treating sick animals among other activities. The various responsibilities undertaken during the attachment such as developing a business plan, establishment of plantations are captured in the third chapter of the report that also includes the correlation of the attachment to the classroom knowledge as well as its influence to the career future plans. However, there were a few challenges that were faced during the industrial training such as limited practical equipment, inadequate facilities but they did not stop the training as it was successful, where management needs to improve and renovate the farm units as one of the recommendations. All these have been explained in the fourth chapter of this report.



CHAPTER ONE: INTRODUCTION

1.0 Industrial training.

This was one of the course modules compulsory to all the students after their second semester undertaken for a period of ten weeks. It was run by the university with intentions of equipping students with field skills, confidence, working experience that is relevant to their academic and professional development.

This is a report of industrial training that was conducted in Busitema university Arapai campus farm under the faculty of agriculture and animal sciences from 20th may 2019 to 26th July 2019, with the intention of equipping students at various academic levels with agricultural extension knowledge, field skills, confidence and community service delivery skills as they integrated theoretical knowledge with practical skills.

The activities of industrial training were of both animal and crop husbandries that were conducted at various farm sections and in specific lecture rooms.

1.1 PLACE OF INDUSTRIAL TRAINING.

This industrial training was carried out in Busitema University, faculty of agriculture and animal sciences, Arapai campus at the campus farm.

1.2 BACKGROUND

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 of; Arapai, Busitema, Kaliro, Mbale, Nagongera, Pallisa and Namasagali.

1.3 Vision

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

1.4 Mission

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

1.5 Location

BUAC is in the north east district of soroti in the heart of Teso sub region. The faculty is located along Soroti-Moroto highway approximately 7km from soroti town. It is dominated by savannah grasslands with sandy loam soils characterized with thorny grasses.