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***A REPORT OF INDUSTRIAL TRAINING CARRIED OUT AT ST. PAUL'S COLLEGE,  
MBALE MIXED FARM STARTING FROM 20<sup>TH</sup> MAY,2019 TO 26<sup>TH</sup> JULY,2019.***

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***TO BE SUBMITTED TO BUSITEMA UNIVERSITY FACULTY OF AGRICULTURE AND  
ANIMAL SCIENCES IN THE DEPARTMENT OF AGRIBUSINESS & EXTENTION AS A  
PARTIAL FULFILLMENT FOR THE A WARD OF A DIPLOMA IN CROP PRODUCTION  
AND MANAGEMENT.***

***AUGUST 2019***

## DECLARATION

I Namusedde Geoffrey do declare that this report is the original copy and has never been submitted to any other institution for any need of award and it has been done to the best of my knowledge and effort.

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This report has been submitted with approval of my:



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## DEDICATION

I dedicate this report to Mr. George Mbogo, Dr. Stephen Birungi, Mummies: Beatrice Namubali and Margaret Nabusimba and my brothers: Andrew Kirya and Lapa Francis for their support and encouragement word "Education is the key to success", for sure I will never forget you in my entire life on this World, may the Almighty God reward you what you desire most in your life.

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## ACKNOWLEDGMENT

I send my sincere thanks to the Almighty God for the gift of life given to all of us students who did internship from St. Paul's College, Mbale Mixed farm and to both staffs of BUAC and St. Paul's College, Mbale Mixed farm.

Besides that, I extend again my thanks to my parents, relatives and friends, Mr. George Mbogo, Mr. Thomas Mukalere, mummy Margaret Nabusimba, Mr Balaki Mukalere, Aunt Annet Musiime, Aunt Eva George, Dr. Stephen Birungi, Mrs. Beatrice Namubali, bros; Andrew Kirya and Lapa Francis, for guidance and financial support during exercise.

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## LIST OF ABBREVIATIONS

NPK	NITROGEN PHOSPHORUS AND POTASSIUM
N <sub>2</sub>	NITROGEN
BUAC	BUSITEMA UNIVERSITY AGRICULTURE CAMPUS
I.E.	THAT IS TO SAY
E.G.	FOR EXAMPLE
ETC.	EXTRA
WK	WEEK
BTB	BLACK TWIG BORER
MMF	MBALE MIXED FARM
TEL	TELEPHONE
REG. NO.	REGISTRATION NUMBER
MON	MONDAY
TUE	TUESDAY
WED	WEDNESDAY
THURS	THURSDAY
FRI	FRIDAY
H <sub>2</sub> O	WATER
LTRS	LITRES
SCH	SCHOOL

## ABSTRACT SHEET

The internship was conducted at St. Paul's college Mbale Mixed Farm, located in college cell, Namakwekwe ward, northern division, Mbale Municipality in Mbale district along Soroti road 2km from Mbale town for a period of ten (10wks) starting from 20<sup>th</sup> May, 2019 to 26<sup>th</sup> July, 2019. 4

The purpose of this farm was to impart students with practical skills and knowledge in order to meet the demands of the communities in the following areas as seen below;

**Pasture Management**, we carried out activities like; cutting and collecting both Napier and brachiara species in preparation for raising new pasture gardens, planting them using Napier stem cuttings and brachiara splits with the spacing of 1m x 1m, planting soybean in guinea grass in order to fix N<sub>2</sub> to the soil, harvesting elephant grass to feed on animals and rejuvenate, clearing weeds in paddocks to create space and reduce on competition.

**Poultry section**, we carried out activities like; operating the incubator in preparation of setting eggs for incubation and mixing both layers and broilers chick mass to feed on chicks.

**Banana plantation**, we carried out activities like; minimum tillage to maintain the soil structure and texture and conserve soil moisture, we pruned them, pricking out some banana plants, opening water channels, measuring and marking banana holes to renew the garden.

**Maize garden**, we investigated the effects of fall army worms on maize plants, pest management by setting up moth traps to trap the moths, spraying using Hitcel, Eminent and AMDOCS to control fall army worms.

**Farm structure and green house farming under farm structure**, we made a barbed wire fence to fence the farm land, and under green house farming we maintained the green house, collecting gutter positions and opening blocked emitters, harrowing and leveling ridged soils, sprinkling and watering, fixing drip lines and binding wires, dibbling holes, planting, spraying insecticides, weeding and monitoring the planted crops in the green house.

**Cotton garden**, we fetched and collected water for mixing pesticides, measuring the pesticides to have a correct mixture, spraying against cotton boll worms, and repairing matabi knapsack to increase on the pressure and mist.

**Passion fruit garden**: we dug pole holes for supporting passion fruit plants and branches, weeding, cutting and collecting poles for making the shade, measuring and cutting poles, treating the stand poles to prevent pest attack, spraying against spider mites and aphids, raising the treated poles, making the shade, and pruning them.

**Finally, coffee plantation**, we slashed weeds to prevent the outbreak of pests and diseases, we were supervised by our university lecturer Mr. Buddo Mark on the above activities through interviewing us one by one and assessing marks on Thursday, 18<sup>th</sup> July, 2019 in the 9<sup>th</sup> week of our internship and lastly pest management by spraying against coffee pests and diseases.

## CHAPTER ONE

### 1.0 Introduction

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#### 1.1. Introduction of the farm

This farm is called St. Paul's College, Mbale Mixed Farm, located in college cell, Namakwekwe ward, Northern Division, Mbale Municipality in Mbale District along Mbale to Soroti road, 2KM from Mbale town.

#### 1.2 Background of the farm

This farm was founded in the year 1950s by Rev. Fr. Leonard Vandersalam from Holland as an agricultural and livestock farm under the Archdiocese of Tororo, Uganda. It started as a demonstration farm for agriculture and animal husbandry where it was seen as a leading producer of milk, eggs and pork.

The farm was critical in local population of breeding and was seen as source of all agricultural needs until 1972 due to political and economical unrest, the farm stopped progressing until when it was revived in early 1980s.

The economic environment in Uganda led to the repair of structures on the farm, recently a renew of interest in agriculture has expended the reach of the farm. It is currently targeting the youth in the surrounding areas to take interest in farming as a productive occupation. The farm has over 165 acres of crisp green farm land. This was conducted by recording method.

#### 1.3 objectives of the farm

To create an atmosphere for visitors to come and enjoy the natural beaut of Mbale and have real farm experience.

To impart knowledge and skills to the young generation to the farmers in the community.

To provide practical education to students and to those interested in agriculture for application purposes in the society today.

To increase the productivity to meet the demands of the community.