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P.O. Box 236, Tororo, Uganda
Gen: +256 - 45 444 8538
Fax: +256 - 45 4436517
Email: info@adm.busitema.ac.ug
www.busitema.ac.ug

BUSITEMA UNIVERSITY ARAPAI CAMPUS

FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

P.O BOX 203

**A COMPREHENSIVE INDUSTRIAL TRAINING ATTACHMENT REPORT ON
FARM ACTIVITIES CARRIED OUT AT MAKERERE UNIVERSITY
AGRICULTURAL RESEARCH INSTITUTE KABANYORO (MUARIK) IN WAKISO
DISTRICT**



COMPLIED BY;

NAME: MULINDWA MICHEAL

REG NO: BU/UP/2018/2842

YEAR: ONE

COURSE/PROGRAM: BAB

COURSE CODE: 1209

EMAIL: michealmulindwa78@gmail.com.

CONTACT: 0754968047

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BACHELOR'S DEGREE IN AGRIBUSINESS OF BUSITEMA UNIVERSITY FROM
20th MAY TO 26th JULY, 2019**

DECLARATION

I hereby declare that the information contained in this report is original, out of my own effort and is not a copy of or a duplicate of any source and has never been submitted to any university or institution for any award.

This report has been submitted for examination with approval of supervisors;

Name..... MULINDWA MICHEAL

Sign..... [Signature] Date..... 24/7/2019

FIELD SUPERVISOR:

Name..... [Signature] C

Sign..... [Signature] Date..... 24/7/2019

ACADEMIC SUPERVISOR:

Name:

Sign: Date:

INTERN COORDINATOR:

Name.....

Sign..... Date.....



DEDICATION

It's my genuine gratefulness and warmest regards that I dedicate this report to my dear parents Mr. Mulindwa John Bosco and Mrs. Tuhirirwe Loyce without whom this report would have been completed.

I give thanks to the farm manager MUARIK for the knowledge and skills he equipped me as far as agriculture is concerned

In a special way, I also give thanks to my friends for their guidance and advice during the making up of this report, company and a conducive research environment.

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ACKNOWLEDGEMENT

First of all, I would like to express my deepest appreciation and gratitude to the almighty Lord Christ for enabling me complete this report on "Industrial training".

I convey my sincere gratitude to my academic supervisor without his kind direction and proper guidance this study would have been a little success. In every phase of the study, His supervision and guidance shaped this report to be completed perfectly

I would also like to thank my colleagues of Busitema for giving me a clear idea about mobile payment system at MUARIK

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LIST OF ABBREVIATIONS

MUARIK – Makerere University Agricultural Research Institute Kabanyolo

CAES - College of Agricultural and Environmental Sciences

NARS – National Agricultural Research System

NARO – National Agricultural Research Organization

NAADS – National Agricultural and Advisory Services

FAO – Food and Agricultural Organization

CURAD – Consortium for enhancing university responsiveness to agribusiness development limited

KCCA – Kampala City Council Authority

Ha - hectares

IMOs – Indigenous Micro Organisms

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THE ABSTRACT

The report analyzes the internship training which I conducted at Makerere University Agricultural Research Institute Kabanyoro (MUARIK) located 21km North West of Kampala along Gayaza road to Namulonge in Kabanyolo village Nangabo sub country, Kyandondo East county Wakiso District for two and a half calendar months (20th May- 26th July 2019) to fulfill the requirements needed for the award of a bachelor's degree of agribusiness at Busitema University, putting much of the theoretical knowledge learnt in class into practice, acquire practical skills in farm management and get exposed to the working environment.

The report is divided into four chapters where the first chapter describes MUARIK's location, mission, vision, objectives and its organization structure

The second chapter examines the detailed activities I carried out while at the attachment which included the Dairy section where I milked the dairy cows on Wednesdays, sieved it, measured and sold it to the buyers, weight estimated the cattle by use of the weight estimation tape, temperature determined by use of a thermometer and the calf management practices. The Banana section where we propagated them by use of suckers, micro and macro. The pruning, mulching and weeding using different means. Piggery section where we emphasized on organic piggery which deals in the use of IMOS, the procedures for their manufacture and construction of an organic pig sty. Vermiculture section which is an innovation of rearing earthworms, their uses, breeds, nests which are their houses, their feeds, harvesting and consumption.

The third chapter illustrates the skills and qualifications I attained like milking, macro propagating of banana, rearing of earthworms among others, challenges and influence on the future career.

The last chapter bares the conclusion and the recommendations that should be put in place for the perfection of learning like employing of more skilled personnels among others.

The report concludes with the appendix baring the work plan, my photographs and the references for further review of the activities carried out.

CHAPTER ONE

1.0. INTRODUCTION

Internship programme is a method of training used by different universities, institutions and colleges to send their students to various companies, schools, institutions to transfer their theory into practicals in their field of profession

It is aimed at exposing the students to the working environment often within the specified industry. Makerere University Agricultural Research Institute Kabanyolo (MUARIK) is part of Makerere University under the College of Agricultural and Environmental Sciences (CAES). It collaborates with other organizations that aim at supporting education especially agriculture including National Agricultural Research System (NARS), NARO, NAADS, FAO.

It occupies a total of 650ha of land. Soil is well drained, of low organic matter and the Rainfall is bi-modal (average 1100mm per annum) and the mean temperature is 21°C. The PH varies from 5.0 - 5.8

MUARIK offers a vibrant and well-resourced environment for farmers, students of all levels and researchers. It is largely funded by the government of Uganda, development partners and internally generated revenue.

1.1. BACKGROUND OF MUARIK

1912 - Kibirige Nsedo was given land by Kabaka covering 296 acres

1914 - Nsedo and Biligwajo Paul was given another piece in Kyatome 67 acres

1916 - The two formed alliance to join up the two pieces of land making it a lease land under the British protectorate

1922 - Technical institute known as Makerere Kavule in Bwaise trained people on practical skills

1927 - After people enhancing practical skills, supported by British rule attacked the cotton growing companies like the Kirin which took over Kabanyoro for land in 1935

1945 - First family by Ferguson voluntarily gave it to Makerere University as a remembrance as he went back to United Kingdom (UK)

1953 - First independent structures of farm houses were built