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FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

**INTERNSHIP TRAINING REPORT HELD AT MAKERERE UNIVERSITY
AGRICULTURAL RESEARCH INSTITUTE KABANYOLO (MUARIK)
NANGABO SUBCOUNTY, WAKISO DISTRICT**

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PRODUCTION AND MANAGEMENT OF BUSITEMA UNIVERSITY**


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DECLARATION

I **MBULAMAYE GODFREY** declare that this industrial training report has been carried out of my own effort and participation in the various activities at Makerere university agricultural research institute kabanyolo and it has never been submitted to any institute for any award

Signature: .....

Date: 4/5/2022.....

APPROVAL

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DEDICATION

I would like to thank our coordinator Awalo Mercy and my fellow students at the same University for the support and cooperation, and the team work made altogether during my industrial training at MUARIK

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I appreciate my supervisors for the good work done they have made to me through my industrial training and the entire staff of MUARIK

I greatly appreciate my parents for the contribution they have done during my studies and I also appreciate my colleagues for the good cooperation during the internship.

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LIST OF ABBREVIATIONS

MUARIK: Makerere University Agricultural Research Institute-Kabanyolo

CAES: College of Agriculture and Environmental Sciences

I.T: Industrial Training

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LIST OF TABLES AND FIGURES

FIGURE

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Fig.1: shows the structural organization of MUARIK.....11

ABSTRACT

This report analyses the internship training I conducted at MUARIK. The place is located 19km North of Kampala along Gayaza road to Namulonge in Kabanyolo village, Nangabo Sub County, Kyadondo East County, Wakiso district. The training I carried out under the field supervisor Mrs. Awalo Mercy, Mr. Natamba, Mr. Aziz, Mr. HOLLIS among others. As to me, I learned more in greenhouse management, dairy production, banana management, pasture management and among others.

It contains four chapters

Chapter one details the background and location of the farm, mission, vision goal, objectives of the farm and organization structure

Chapter two describes the internship activities or tasks that I was involved in at the farm throughout my industrial training. This chapter entails the practical sessions involved in during the industrial training for example poultry management practices such as feeding, vaccination, dairy management which included management practices such as silage and hay making, milking, disease diagnosis and treatment, fencing, deworming, calf management, bucket feeding and branding. In piggery section, I was able to know the factors to consider before setting up a piggery section, the diseases that attack pigs and the signs of pigs on heat. It also contains banana management, mechanization and more

Chapter three describes the impact of the attachment. It describes the skills attained for example I learnt how to manage calves and handling bucket feeding. Responsibilities undertaken during my internship such as cleaning the calf barn are also indicated in this chapter. This chapter also indicates how the industrial training has influenced my future career and lastly the correlation of activities with classroom knowledge.

Chapter four describes the conclusion and recommendations

CHAPTER ONE: INTRODUCTION

1.1 Background of MUARIK

Makerere University Agricultural Research Institute-Kabanyolo (MUARIK) is a public institution established in 1953 as a farm and upgraded to a fully-fledged research institute in 1996. It is owned by Makerere University under the college of Agricultural and Environmental sciences. The land capacity is 650 hectares, located 19 km North West Kampala off Gayaza Township on Kampala-Gayaza-Zirobwe road. It is found in Kabanyolo village, Nangabo Sub County, Wakiso district. It experiences bi-modal rainfall (averages 1100 mm per annum) and the mean temperature is 21°C. The soils are well drained rich of low macrobiotic matter. MUARIK offers favorable environment to farmers, students of all levels and researchers. The institution became self-accounting in 1996 and it has taken on the task of generating revenue to run most of its operations.

In brief, MUARIK structures are composed of all types of farming ranging from crop to livestock which includes: piggery, horticulture, poultry, dairy, goat rearing, aquaculture, mechanization, coffee, soya bean among many others.

1.4 Services or roles carried out by MUARIK

Research

Training

Outreach

Production for income generation

1.5 Future plans of MUARIK

MUARIK plans to increase on the acreage of its crop fields for example banana field, the soya bean field and so many more

MUARIK plans to construct new infrastructures like stores, animal units and milk processing plant to enable them increase on production

MUARIK plans to increase on the breeding capacity of pigs in the piggery unit. This is planned to be achieved by obtaining all the pig breeds to enable them create a breeding center