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**INDUSTRIAL TRAINING REPORT CARRIED OUT AT NATIONAL CROPS
RESOURCES RESEARCH INSTITUTE (NaCRRI), WAKISO DISTRICT FROM 1st
MARCH TO 6th MAY, 2022.**

COMPILED BY;

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**TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION
BUSITEMA UNIVERSITY ARAPAI CAMPUS FACULTY OF AGRICULTURE AND
ANIMAL SCIENCES IN PARTIAL FULLFILMENT FOR THE REQUIREMENTS
LEADING TO THE AWARD OF DIPLOMA IN CROP PRODUCTION AND
MANAGEMENT**

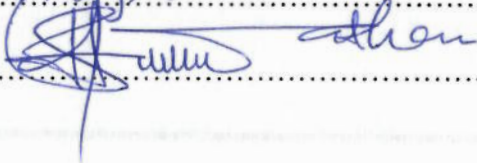
DATE OF SUBMISSION.....

18th May, 2022

DECLARATION

I BYASIIMA Mabingo Nathan do declare that I personally wrote this Internship report and it has never received any academic credit from any University or any other institution.

Date 11th May, 2022

Signature 

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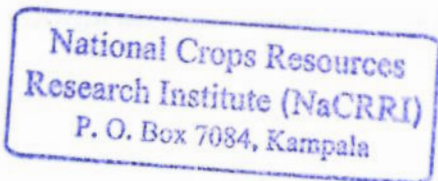
APPROVAL

The Industrial Training was conducted and closely supervised under the following persons

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NAME..... Abitegeye Jude M

SIGNATURE..... [Signature] DATE: 11/05/2022



FARM MANAGER

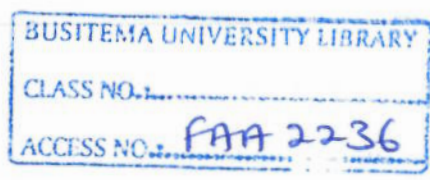
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NAME..... ERIC MUG PATRICK

SIGNATURE..... [Signature] DATE: 18/05/2022



DEDICATION

I would like to dedicate this report to my Dad, Rev. Can Wilberforce Male Mugabi and my Mum, Olivia Male my sister, Nakakawa Hope Edith and Mr. Kiwewesi Steven who are and have been a big pillar by advising me through this period of the Industrial Training. I'd like to thank them for their financial, spiritual support and all the efforts they have put in for my wellbeing during this period. May God grant them all that their hearts desire.

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ACKNOWLEDGEMENT

Firstly, I would like to acknowledge the Almighty God for the healthy life he has given me throughout my Industrial Training period. Secondly, my field supervisors for their support and guidance and all the academic knowledge they whole heartedly managed to render to me both theoretically and practically throughout my Industrial Training period. Furthermore, I wish to extend my sincere thanks to BUAC administration for offering me an opportunity to pursue this course that has greatly and positively impacted my academic journey.

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Table 2 showing Genetic material evaluation.

Table 3 showing fertilizer regimes in oil palm.

Table 4 showing the sampling for white flies.

Table 5 showing breeding in sweet potatoes.

LIST OF FIGURES

Fig 1. Dibbling holes for planting upland rice in the screenhouse

Fig 2. Spore harvesting during the preparation of inoculum.

Fig 3. Clipping sweet potato flowers to be cross pollinated.

Fig 4. Labelling tomato plants.

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LIST OF ABBREVIATIONS

NaCRRI: National Crops Resources Research Institute

IT: Industrial Training

NARO: National Agricultural Research Organisation

Lab: Laboratory

BUAC: Busitema University Arapai Campus

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ABSTRACT

The industrial training was carried out at National Crops Resources Research Institute (NaCRRI) located in Wakiso district along Kampala – Gayaza road at Namulonge village. The Industrial Training was from 1st March to 6th May, 2022.

In this training, I was attached to 6 different sections which include Administration, Farm workshop, Legumes, Horticulture, Cereals and Root crops. The main purpose of this training is to equip students with basic practical skills while relating to the theoretical knowledge learnt from class into practical. This information plus the practical skills were obtained from the field technicians after interacting with them in the different sections as we were allocated and through reading text books, from the internet on sites containing relevant information, visual observations from the field and interaction with fellow internees.

This report comprises of four chapters which include Chapter one containing the information about the institute i.e. background, location, objectives, core values, vision and mission. Chapter two containing the activities that were carried out and was involved in in different sections as we were allocated. Chapter three which has the skills gained, responsibilities, challenges faced, the influence of the activities to my future career plus the correlation of the attachment with classroom knowledge. Chapter four which contains the conclusions and the possible recommendations.

I gained the following skills during my Industrial Training, breeding in sweet potatoes and cassava, genetic material evaluation, planting upland in the screenhouse and lowland rice, setting up experimental designs, grafting in tomatoes, field marking in legumes and field lining in Oil palm

However, despite all the skills and knowledge gained, some challenges were encountered which include little or no exposure to some pests and diseases of some plants due to the offseason.

In conclusion, the IT was conducted successfully and was educative as it equipped me with practical skills and knowledge which further made it more efficient.

Some recommendations include provision of accommodation to the internees by the NaCRRI administration. The University administration should provide some financial support to its students to cater for their lunch during the internship period

CHAPTER ONE

1.0 INTRODUCTION

1.1 Historical Background:

National Crops Resources Research Institute (NaCRRRI) formerly Namulonge Agricultural and Animal Production Research Institute is one of the research institutes under the policy guidance of the National Agricultural Research Organization was established in 1949 by the Empire Cotton Growing Cooperation of Britain. It was solely established to investigate problems related to cotton production within the countries of the Britain Empire. It served the Sudan, Kenya, Tanzania, Zambia, Malawi, Swaziland, Nigeria, Uganda and some extent the Gambia and Yemen. Uganda was chosen to be the regional Centre because it was centrally placed and with exceptionally India, Uganda was the largest producer of cotton in common wealth. The Cotton Research Cooperation handed over Namulonge to the Uganda government in 1972. The institute continued as a cotton research station until 1980 when research on the other end commodity crops and animal production was introduced. The crops introduced included, cassava, sweet potatoes, rice, soybean, sunflower, ground nuts, sim sim and wheat in addition to cotton. Agroforestry research was also introduced to the institute at this time. In addition, Namulonge supervised the collection of weather data, processing and transmission of the information to the department of metrology and agriculture. This information was further processed into advisories on weather to farmers by both the department of meteorology and agriculture.

Present mandate

With the re-organization of Agricultural research and the creation of the National Agricultural Research Organization (NARO), Namulonge became one of the research institute of NARO with the following programmes,

Research Programmes

- Legumes
- Root Crops (Cassava and Sweet potato)
- Cereals (Maize and Rice)
- Horticulture and Oil Palm .