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**INDUSTRIAL TRAINING REPORT CARRIED OUT AT NATIONAL
AGRICULTURAL RESEARCH LABORATORIES KAWANDA (NARL)**

COMPILED

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**TO BE SUBMITTED TO THE DEPARTMENT OF AGRI-BUSINESS AND
EXTENSION FOR THE PARTIAL FULL FILL MENT OF THE AWARD OF A
DIPLOMA IN CROP PRODUCTION AND MANAGEMENT**

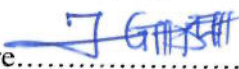
MAY, 2022

DATE OF SUBMISSION... 31st / 05 / 2022




DECLARATION

I am here to declare to the academic board of Busitema University that all the findings presented in this report and all the attachments are correct to the best of my knowledge .This is my own work compiled after research and field experiments at NARLI and it has never been presented by any one for any academic credit.

Signature..........Date.....th18/05/2022.....
.....

Field supervisor..........

Signature..........Date.....10/05/2022.....
.....

Academic supervisor..........

Signature..........Date.....18/05/2022.....
.....






DEDICATION

I dedicate this report to GOD Almighty My creator my strong pillars my source of inspiration, wisdom knowledge and understanding he has been the source of my strength throughout this study.

I also dedicate this work to my father Mr. Amaikori Stanslas and my brother Mr. Omer Simon peter who have supported me in all aspects of life to make sure that I became an important person on planet, my parents who showed me the best route in this world, My friends and course mates to mention but a few, who also encouraged me all the way and whose encouragement has made sure that I give it all it takes to finish.

To My supervisor Dr. ETIANG PATRICK and the entire staff of Busitema University ARAPAI Campus for their time spent to supervise and guide me. Thank you, GOD BLESS YOU.



ACKNOWLEDGEMENT

I would like to extend my sincere gratitude to the head of NARLI Professor. TUSHEMEREIRWE WILBERFORCE for allowing us conduct our industrial training in the institute under the guidance of our field internship coordinator Mr. SSEMAMBO PARTRICK who was a parent, a friend, a teacher and a director to me throughout my IT study .

My sincere regards also goes to the university staff (Busitema University) the faculty of Agriculture and animal sciences especially the head of Extension department Mr. KABBIRI RONALD for driving us through the IT program smoothly and the whole staff at large for the academic, parental guidance and support throughout my industrial training period and may the almighty GOD reward them abundantly.

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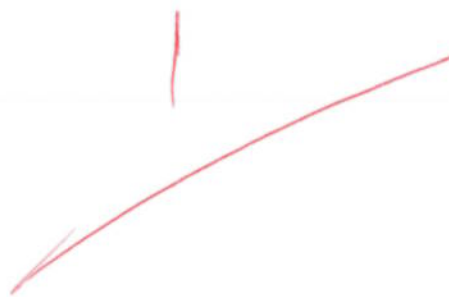
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LIST OF ABBREVIATIONS

NARL - NATIONAL AGRICULTURAL RESEARCH LABORATORIES

IT - INDUSTRIAL TRAINING

REG. NO - REGISTRATION NUMBER

NARO - NATIONAL AGRICULTURAL RESEARCH ORGANIZATION

CIAT - INTERNATIONAL CENTER OF TROPICAL AGRICULTURE

M - METERS

Cm - CENTIMETERS

LAB - LABORATORY

Eg - FOR EXAMPLE

i.e - THAT IS TO SAY

ABSTRACT

This industrial training report held at NARL Kawanda central zone of Nabweru division in Wakiso district for a period of 10 weeks from 28 FEB 2022 to 6 MAY 2022 with the mine objective to equip students with practical skills and knowledge through hands on activities

This report contains four chapters, chapter one entails introduction, location, background of the report and the main objectives of the study. Chapter two describes the internship sections underwent and various activities carried out during the course of the training such as de-suckering, de-leafing, digging of drainage channels and mulching and others. Chapter three explains the skills and qualifications gained, responsibilities under taken and the influence of the attachments to my future career. Chapter four contains conclusion and recommendation, finally appendices which include the work plan, and activity photos of the study.



1.0 CHAPTER ONE

1.1 GENERAL INTRODUCTION

National Agricultural research laboratories (NARL) Kawanda is one of the six public agricultural research institutes under the policy, guidance and coordination of national agricultural research organization (NARO)

NARL is mandated to conduct research and generate knowledge for crops mainly bananas, beans for bioversty and (CIAT) international center for tropical agriculture, vegetables and fruits by (KOPIA) intentional and maize for the seed project

1.2 LOCATION

NARL is sited at Kawanda, central zone of NABWERU division in WAKISO district .Its lies on 630 hectares located 13km north of Kampala 1km away from BOMBO Kampala Gulu highway.

Kawanda receives bimodal rainfall found in 0.32E of the equator and 32.37E it has tropical wet and dry climate slightly humid with woody savannah vegetation containing tall trees and tall grasses.

1.3 BACKGROUND

We were oriented by the farm manager Mr. LUMU MOSES. He stated that NARL began formerly as a rubber estate in 1934 led by K. BORUP a Danish farmer it then became the headquarters of research division under the Agricultural department in 1937 with a mandate to conduct research on coffee, tea, cotton and native food crops. The institute then served countries like Kenya, Tanzania, Rwanda and Uganda.

In 1993 it was taken by NARO which then transformed it to NARL Kawanda in 2011 which now conducts research on banana production and breeding in crops like beans, tomatoes, cabbage, and coffee The institute has 7 programmes this includes Soil science and Agrometeology, Nursery practices (Horticulture and coffee) banana production , food biosciences, mushroom production ,Agricultural Mechanization Namalere and sericulture