BUSITEMA UNIVERSITY

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

BY

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DCP 1208

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INDUSTRIAL TRAINING REPORT

SUBMITTED TO BUSITEMA UNIVERSITY

DEPARTMENT OF AGRIBUSSINESS AND EXTENSION
IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD
OF A DIPLOMA IN CROP PRODUCTION AND MANAGEMENT OF BUSITEMA
UNIVERSITY

DECLARATION

I 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.

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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 uncle Commissioner Okanya Boniface and aunt Amuron Beatrice Okanya 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 Patrick 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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LIST OF ABBREVIATIONS

CIAT - International Center of Tropical Agriculture

Cm - Centimeters

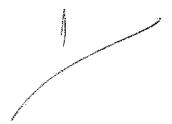
IT - Industrial Training

LAB - Laboratory

M - Meters

NARL - National Agricultural Research Laboratories

NARO - National Agricultural Research Organization



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ABSTRACT

This industrial training report held at NARL Kawanda central zone of Nabweru division in Wakiso district for a period of 10 weeks from 28th Feb 2022 to 6th May 2022 with the nine objectives of equipping 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. 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.

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CHAPTER ONE

INTRODUCTION

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 biodiversity 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 Agrometrology, Nursery practices (Horticulture and coffee) banana production, food biosciences, mushroom production, Agricultural Mechanization Namalere and sericulture