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**INDUSTRIAL TRAINING REPORT CARRIED OUT IN BUGINYANYA
ZONAL AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE
IN MASIIRA SUB COUNTY, BULAMBULI DISTRICT FROM 28TH FEB, 2022
TO 06TH MAY, 2022**

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YEAR OF STUDY: YEAR ONE

**TO BE SUBMITTED TO BUSITEMA UNIVERSITY ARAPAI CAMPUS FOR
PARTIAL FULFILMENT REQUIREMENT OF THE AWARD OF DIPLOMA
IN CROP PRODUCTION AND MANAGEMENT**


SUBMISSION DATE: MAY 2022

23/05/2022



DECLARATION


I WABUDEYA ESTHER, declare that all the content in the report has been, collected, organized, and written by me and has never been submitted for any award in any institution of learning.

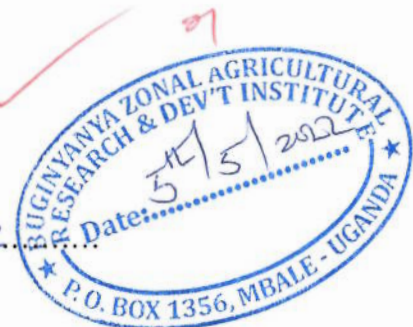
Sign.......... Date 5/05/2022.....

APPROVED BY;

Field supervisor

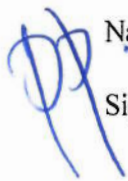
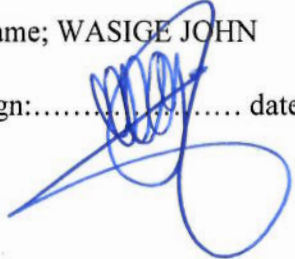
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Sign ..... date 05/05/2022.....



Academic supervisor

Name: WASIGE JOHN

 Sign: ..... date 23/5/2022.....



DEDICATION.

I dedicate this report to my beloved parents Mr. MAFABI JOSEPH and Mrs. NABUZALE LOYCE as an appreciation for their tireless effort and support rendered to me both financially and material.

In addition to the above, I also dedicate this report to my brothers, Mr. Manyanye Andrew, and Manana Ronald, who also supported me in my academic struggle.

I pray that may the almighty God bless the work of their hands.

A handwritten signature consisting of a long, sweeping stroke followed by the initials '09'.

Great appreciation goes to my beloved lecturers who guided me academically and the entire well-wishers.

ACKNOWLEDGEMENT

I would like to extend my sincere appreciations to Buginyanya Zonal Agricultural Research And Development Institute staff especially my field supervisor Mr. Wolimbwa Kenneth, Mr. Woniala Bonny, Mr. Nandira Wilson, madam Saufa Nyakahima for the knowledge and skills rendered to me during the training and my parents who supported me financially and through guidance and counseling to see that my internship was completed. May the almighty **GOD** bless and reward them extra abundantly and above all the almighty **God** for the strength, knowledge, wisdom, good health and gift of life, which enabled me persevere throughout the industrial training exercise and report writing.

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ABSTRACT

The Industrial Training was held at BugiZARDI located in Masira Sub-County, Bulambuli District, starting from 10th-Dec-2018 to 28th-Jan-2019. The main objectives of the study were to enhance skills learnt in class by being exposed to applied knowledge and practical skills for self and community empowerment. To provide me with the opportunity to apply principles and technologies theoretically learnt and putting them into real life. The major activities carried out involved; orientation, classification of coffee, data collection on wheat and barley, field marking and design, tagging, identification of banana varieties among others. The report has four chapters, chapter one talks about introduction, historical background, objectives of Buginyanya Coffee Research, BugiZARDI mission, Vision, Goal, Mandate, Key Objectives of the study and organ program of BugiZARDI. Chapter two talks about description of attachment. Chapter three talks about conclusions about Industrial Training exercise, challenges faced during Industrial Training like poor allocation of activities in different sections by the institute and recommendations.

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LIST OF ABBREVIATION

BugizARDI	-----	Buginyanya Zonal Agricultural Research and Development Institute
B.C.RS	-----	Buginyanya Coffee Research Station
BUAC	-----	Busitema University Arapai Campus
NARO	-----	National Agricultural Research Organization
USEAEZ	-----	Uganda South-Eastern Agro Ecological Zone
CBD	-----	Coffee Berry Disease
IPM	-----	Integrated Pest Management
CGA	-----	Certificate in General Agriculture
DCP	-----	Diploma in Crop Production
HR	-----	Human Resource
DAP	-----	Diploma in Animal Production

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CHAPTER ONE

1.0 INTRODUCTION

Industrial training is module which is conducted outside lecture room or out of university. It is essential because it gives students a chance to participate fully in practical aspects which enhance their skills and knowledge. This field work report was carried out at Buginyanya zonal Agricultural Research and Development institute (Bugi ZARDI) located in Masiira sub county Bulambuli district. Pursuant to implementation of the NARS Act 2005 BugiZARDI was operationalized w.e.f. 1st July 2008.

1.1 LOCATION

Buginyanya Zonal Agricultural Research and Development Institute (BugiZARDI) is located in Masira sub-county in Bulambuli District in Eastern Uganda at 2,980masl. Pursuant to the implementation of the NARS Act 2005, BugiZARDI was operationalized w.e.f. 1st July 2008. The Institute is composed of Buginyanya as the main station, Bulegeni and Ikulwe as satellite station. BugiZARDI spearheads Agricultural Research and Development work in Uganda's South-Eastern Agro-ecological Zone (U'SEAES) that administratively comprises of Bukwo, Kween, Kapchorwa, Bulambuli, Sironko, Mbale, Bududa, Manafwa, Budaka, Kibuku, Palisa, Tororo, Busia, Namayigo, Butaleja, Iganga, Bugiri, Namutumba, Mayuge, Jinja, Kamuli, Buyende, Kaliro and Luuka Districts.

1.2 HISTORICAL BACKGROUND

The Institute was established in 1969 by the Ministry of Agriculture, Cooperatives and marketing as a Coffee Research Station known as Buginyanya Coffee Research Station

(BCRS). It was established as part of the coffee unit at Kawanda to centralize research on Arabica coffee under the research division of the Ministry of Agriculture.

Before the establishment of Buginyanya station, trials especially Entomology and Pathology were being conducted at farmers' level and variety trials centers (VTCs) well distributed across the district. These were; Chema, Kyeminy, Kapchorwa, Busulani, Buginyanya, Bulaago, Bugusege, Bukigayi, Bududa and Buwabwala. The system proved difficult and expensive for effective management for government. It was decided to centralize research

programs on Arabica coffee under the research division of the ministry of Agriculture for closer and efficient supervision.

1.3 OBJECTIVES OF BCRS.

- To address the problems related to Arabica coffee production by farmers such as disease, insect pests and agronomic problems.
- To provide farmers with improved coffee seed through the District nurseries.
- To render advisory services to farmers through Demonstrations and visits.
- Enhance Development in the area through improved coffee management and provide employment to the community.