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**NARO**

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

**COMPILED BY:**

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**PROGRAM OF STUDY: DCP 1**

**COURSE CODE: 1208.**

**REG NO. : BU/UP/2020/2217**

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

**SUBMISSION DATE: MAY 2022**

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**DECLARATION**

I GIMBO MARION declare that all the content in the report has been, organized, collected and written by me and have never been submitted for any award

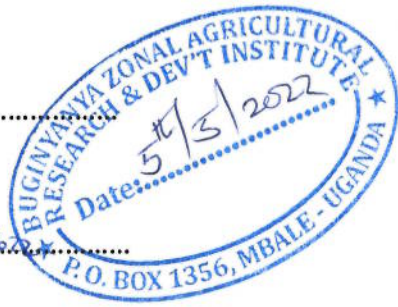
Sign..... ~~MM~~ ..... Date 5<sup>th</sup> / 05 / 2022 .

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Field supervisor

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



Academic Supervisor

Name: WASIGE JOHN EJET

Sign..... date.....

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## **DEDICATION**

I dedicate this report to my beloved parents Mr. DUMBULU JIMMY and Mrs. NAULA MAGRET as an appreciation for their tireless effort and support rendered to me both financially and material. I pray that may the almighty God bless the work of their hands.

Great sincerity 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 to persevere throughout the industrial training exercise and report writing.



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## LIST ABBREVIATIONS

**USEAEZ**.....Uganda's South Eastern Agro-ecological Zone

**BugizARDI**...Buginyanya Zonal Agricultural Research and Development Institute

**NARS**.....National Agricultural Research Organization

**BCRS**.....Buginyanya Coffee Research Station

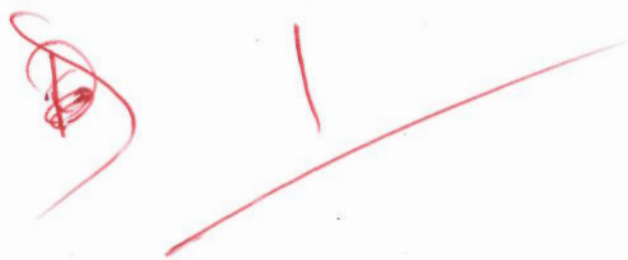
**VTCS** .....Variety Trial Centers.

**BUAC** ..... Busitema University Arapai Campus

**BBW**.....Banana Bacterial Wilt

**FOC**.....*Fusarium Oxysporum.sp Cubense*

**CBD**..... Coffee Berry Disease



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## **ABSTRACT**

The Industrial Training was held at BugiZARDI located in Masira Sub-County, Bulambuli District that started from 28th/02/2022 to 6th/05/2022. 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 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. 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. In addition to the above, there was identification of weather instruments, soil concept among others. The industrial training was successfully done because I was able to gain all the necessary skills. The problem of poor communication because of poor road network can be solved by community by combining efforts with the government to improve on communication.



## **CHAPTER ONE**

### **1.0 INTRODUCTION**

Industrial Training is a module which is conducted outside lecture room or out of Institute. It is important because it gives students a chance to participate fully in practical aspects which enhance their skills and knowledge. It also enables the researcher to interact with different students and working staff thereby helping them to get prepared in different departments and fields. This Field Work was carried out at Buginyanya Zonal Agricultural Research and Development Institute (BugiZARDI) located in Masira Sub-county, Bulambuli District. Buginyanya was operationalized in July 2008 pursuant to the implementation of the NARS Act 2005. The Institute is composed of Buginyanya as the main station, Bulegeni and Ikulwe as Satellite stations. BugiZARDI spearheads Agricultural Research and Development work in Uganda's South Eastern Agro-ecological zone (USEAEZ) that administratively comprise districts of Budaka, Manafwa, Kibuku, Tororo, Namayingo, Iganga, Bugiri, Namutumba, Jinja, Kamuli, Luuka, Buyende and Kaliro.

### **1.1 HISTORICAL BACKGROUND**

The Institute was established in 1969, by the Ministry of Agriculture, Cooperative and Marketing as a Coffee Research Station known as Buginyanya Coffee Research Station (BCRS), as part of the Coffee Unit at Kawanda to centralize research on Arabica Coffee. Before the establishment of Buginyanya Station, trials especially Entomology and Pathology were being conducted at farmers' level and Variety Trial Centers (VTCs) well distributed across the districts in areas of: Chema, Kyeminy, Kapchorwa, Busulani, Buginyanya, Bugusege, Bukigai, Bududa and Buwabwala.

### **1.2 OBJECTIVES OF BUGINYANYA COFFEE RESEARCH (BCRS)**

- ❖ To address the problems related to Arabica Coffee production by farmers such as pests, diseases and agronomic problems.
- ❖ To provide farmers with improved seeds through local district administrations.