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**A REPORT OF INDUSTRIAL TRAINING CARRIED OUT AT BUGINYANYA ZONAL
AGRICULTURAL AND DEVELOPMENT INSTITUTE (BugiZARDI) MASHIRA
SUBCOUNTY IN BULAMBULI DISTRICT**

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**TO BE SUBMITTED TO THE DEPARTMENT OF EXTENSION AND
AGRIBUSINESSBUSITEMA UNIVERSITY ARAPAI CAMPUS FOR PARTIAL
FULFILLMENT FOR THE AWARD OF A DIPOLAM IN CROP PRODUCTION AND
MANAGEMENT OF BUSITEMA UNIVERSITY
SEPTEMBER 2018**

DECLARATION

I do declare that this report is of my own effort and it has never been submitted to any higher institution of learning

Name: CHESURODOREEN

Sign: ~~ChesurodoREEN~~.....



Date: 20th/09/2018.....

FIELD SUPERVISOR (FIELD TECHNICIAN)

MR. PANDE JAMES

Sign: ~~PANDE JAMES~~.....

Date: 18/09/2018.....

ACADEMIC SUPERVISOR

MR. MUSOBA ANDREW

Sign.....

Date.....



DEDICATION

I dedicate this report to my beloved mother Mukanfuna Sarah, my father Chekwech Michael, my brothers and sisters and all my friends.

I also dedicate this report to coordinator of industrial training madam Asero Diana. May you use this for the development of the university.

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ACKNOWLEDGEMENT

First and foremost I would love to acknowledge the almighty God the gift of life and good health that he accorded to me during the whole the period of industrial training,

I also love to acknowledge my beloved parents for the financial support and the parental guidance the enable me to be successful.

MAY THE ALMIGHTY GOD BLESS YOU ABUNDANTLY

A handwritten mark or signature, possibly a stylized 'O' or a similar symbol, located to the right of the main text.

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LIST OF ABBREVIATIONS

BugizARDI - Buginyanya Zonal Agricultural Research and Development Institute U'SEAES
Uganda's South Eastern Agro-ecological Zone

- VTCs** - variety trials centers
- NARO** - National Agricultural Research Organization.
- BCRO** - Buginyanya Coffee Research Station
- BAUC** - Busitema University Arapai Campus
- DR** - Doctor
- Mr** - Mister
- CBD** - Coffee Berry Disease

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ABSTRACT

It was in the grace period of May up to August that I happened to carry out my industrial training at BugiZARDI which is located in Masiira-sub-county in Bulambuli District in Eastern Uganda. The Institute is composed of Buginyanya as the main station, Bulegeni and Ikulwe as satellite station and the organization is under the ownership of NARO. It basically deals in the enterprises of bananas, apples coffee, seed potatoes, wheat and maize, ground nuts, Robusta coffee both in high altitude, mid altitude and lower altitude. 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) with the objectives of addressing the problems related to Arabica coffee production by farmers such as disease, insect pests and agronomic problems and mission of developing and promoting appropriate Agricultural technologies and knowledge. During my I.T I carried out the following activities, agronomic practices, training and grafting apples, pricking coffee, potting coffee, field marking, spraying coffee and data collection amidst challenges of unfavorable climate, theft, overtime work e.t.c I manage to gain skills like Preparing a sand bed for raising coffee seeds and pricking, Formulation of different proportion of soils for potting

Conclusively the internship was great achievement to me as I achieved my objectives and expectations and finally I do recommend that the institute to purchase more equipment, and Also I recommend institute to put up some affordable rooms which can be used by the students during their research.



CHAPTER ONE

1.1 INTRODUCTION

It was in the grace period of May up to August that I carried out my industrial training at Buginyanya Zonal Agricultural Research and Development Institute (BugiZARDI). The training was successful in that I gained practical skills and knowledge. administratively comprises of Bukwo, Kween, Kapchorwa, Bulambuli, Sironko, Mbale, Bududa, Manafwa, Budaka, Kibuuku, Palisa, Tororo, Busia, Namayigo, Butaleja, Iganga, Bugiri, Namutumba, Mayuge, Jinja, Kamuli, Buyende, Kaliro and Luuka Districts. This organization is under the ownership of NARO

1.2 Location

Buginyanya Zonal Agricultural Research and Development Institute (BugiZARDI) is located in Masiira-sub-county in Bulambuli District in Eastern Uganda at 2,980masl. Pursuant to the implementation of the NARS Act 2005, BugiZARDI was operationalized with effect from 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, Kibuuku, Palisa, Tororo, Busia, Namayigo, Butaleja, Iganga, Bugiri, Namutumba, Mayuge, Jinja, Kamuli, Buyende, Kaliro and Luuka Districts. This organization is under the ownership of NARO

1.3 Enterprises at BugiZARDI

Its enterprises are distributed according to stations and agro-ecological zones;

Buginyanya station (high altitude), deals in bananas, apples coffee, seed potatoes, wheat and maize.

Bulegeni station (mid altitude) deals in maize, coffee, goats, rice, cassava

Ikulwe station (lower altitude) deals in rice, maize, ground nuts, Robusta coffee, cattle, cassava and sweet potatoes.

1.4 Historical back ground