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BUSITEMA UNIVERSITY ARAPAI CAMPUS
FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

A COMPREHENSIVE INTERNSHIP REPORT CARRIED OUT FROM 28TH FEB - 06TH MAY 2022 AT ABI-ZONAL AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE.

REPORT COMPILED BY ONGUA INNOCENT

COURSE: DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

COURSE NAME: INDUSTRIAL TRAINING.

84 / 4

COURSE CODE: 1208

REG NO: BU/UP/2019/1361

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THIS REPORT IS SUBMITTED TO BUSITEMA UNIVERSITY ARAPAI CAMPUS, DEPARTMENT OF AGRIBUSINESS AND EXTENSION IN PARTIAL FULFILLMENT OF THE AWARD OF DIPLOMA IN CROP PRODUCTION AND MANAGEMENT.

DATE OF SUBMISSION: 18/05/2022

SIGNATURE: ONGU INNOCENT

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DECLARATION

I **Ongua Innocent** declare that this report has been written after fully attending and participating in the various industrial training activities and I declare that the information recorded in this report is true, current and has never been submitted to any institution for the award of any academic document.

Signature..... 

Date..... 04/05/2022

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Signature..... 

Date..... 4th/5/2022

ACADEMIC SUPERVISOR

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Date..... 

DIRECTOR OF RESEARCH ABIZARDI

NAME: DR. JOHN WALAKIRA

Signature..... 

Date..... 4/5/2022

**DIRECTOR OF RESEARCH
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AND DEVELOPMENT INSTITUTE**

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DEDICATION

I dedicate this piece of work to the Almighty God for His divine ability is at work in us. To my beloved parents and guardians who supported me financially with money to facilitate my movement to and from the institute.

I also dedicate this piece of work to my dear supervisor Ms. Barungi Mary Immaculate for guiding me throughout the time of the industrial training.

To my beloved family, my sister and sponsor Mercy Adania, Alfred Madira and family and many others.

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First of all, I acknowledge and thank the Almighty God for His protection from the dangerous SARs CoV19 virus and also for the provision throughout the time of the industrial training.

I also acknowledge my family members who supported and are still supporting me in every way they can to ensure that my academic pursuit is successful, thanks, you are indeed my family.

I acknowledge the administration of Abi-ZARDI for accepting us and giving us the opportunity to carry out our internship in the institute.

I acknowledge the various technicians and facilitators at the institute who helped and guided us at the various units of the institute, taught us the things we had not known and made us understand better the things we had known.

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LIST OF ABBREVIATIONS.



Cm² –centimeter squared

Km – kilometer

M- Meters

NPK –Nitrogen, phosphorus potassium

CAN- Calcium Ammonium Nitrate.

C:N ratio- Carbon Nitrogen ratio

SARs CoV19- Severe acute respiratory syndrome Corona Virus.

Abi-ZARDI- Abi-Zonal Agricultural Research and Development Institute.

NARO- National Agricultural Research Organization

Mgt – management

DCP – Diploma in crop production and management

PARI- Public Agricultural Research Institute

NARS- National Agricultural Research System

WNAEZ- West Nile Agroecological Zone

VTC- Variety Trial Centre

DFI- District Farm Institute

ARDC- Agricultural Research and Development Centre

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ABSTRACT.

This report serves to provide information about my Industrial training held at ABI ZARDI Agricultural Research and Development Institute in Arua City for a period of 10 (ten) weeks. The objectives of the training were to acquire practical skills and more knowledge in addition to the classroom work, expose the students, improve their competence and build them up in their career in agriculture.

During the training, I got involved in various practical activities which were conducted in different units like agro-forestry, livestock, aquaculture, apiculture and crop units. This report therefore dissolves all the activities I carried out in different chapters. Chapter 1 looked at the introduction, chapter 2 covered the activities carried out in the different units, chapter 3 involved skills gained, influence of training on my career and the correlation of activities with classroom work, chapter 4 looked at the challenges faced, conclusions and the recommendations.

Some of the skills I learnt while at Abi-ZARDI include; how to make mineral block as a supplement for dairy animals, construction, management and maintenance of the fanya chini and the fanya juu, field marking using the Pythagoras theory, making compost using only two raw materials, how to make propolis tincture among others.

In as much as the industrial training was interesting with lots of new skills, there were still some few challenges faced such as the training being conducted in a dry season thus few cultivation activities, lack of proper communication between students and the university administration, no orientation by the university on self-conduct.

With the above challenges, I recommend that orientation should be done at the university before students report to their various places of attachment and there should be a clear communication between university administration and the students.

Despite the challenges, I had a fruitful time at Abi-ZARDI with so many skills gained which I believe when practiced, can truly lead to the achievement of the above mission statement both at individual and community level.



CHAPTER ONE.

1.1 INTRODUCTION.

The industrial training was conducted at Abi-ZARDI, a government agricultural research institute under the umbrella of ministry of Agriculture, Animal Industry and Fisheries (MAAIF). The institute is found in the West Nile agroecological zone (WNAEZ) with the mission to innovate for sustainable agricultural transformation.

The institute achieves this by carrying out adaptive research, training farmers either individually or in groups, multiplying high quality seeds and releasing them to farmers at affordable costs and liaising with educational institutions to teach and train students who come for agricultural trips and internship with the major objective of exposing them to new innovations and practical field aspects.

The IT was carried out within ten weeks and in each week, students were to rotate and learn, work in the different units of the farm. The university sends students to different agricultural institutions to learn practical aspects in the field of agriculture, exchange knowledge and as well as build on their career.

The IT qualifies the students for the award of the transcript in their course of pursuit and it's assessed in a way that during the course of the IT, students are to record daily activities carried out in the log book that is submitted to the university, the university sends academic supervisors to assess the students, and the students are then to write a report.

1.2 OBJECTIVES OF THE INDUSTRIAL TRAINING.

- To impart learners with practical skills in the field of agriculture.
- To expose students to learning outside classroom and as well as exchange knowledge.
- To improve on learners competence in field.
- To build up the students in their career in agriculture.

1.3 ABOUT Abi-ZARDI.

Abi- Zonal Agricultural research and development institute abbreviated as ABI-ZARDI is a semi-autonomous Public Agricultural Research Institute (PARI) of Uganda established by the National Agricultural Act of 2005 headed by the Director of Research and operating under the National Agricultural Research System (NARS) as a component of National Agricultural Research Organization (NARO). Its located in the West Nile agroecological zone (WNAEZ) in Manibe Ward, Arua city 8km away from Arua city.