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**BUSITEMA UNIVERSITY ARAPAI CAMPUS
FACULTY OF AGRICULTURE AND ANIMAL SCIENCES
DEPARTMENT OF AGRIBUSINESS AND EXTENSION**

**AN INDUSTRIAL TRAINING REPORT CARRIED OUT AT ABI-ZONAL
AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE.**

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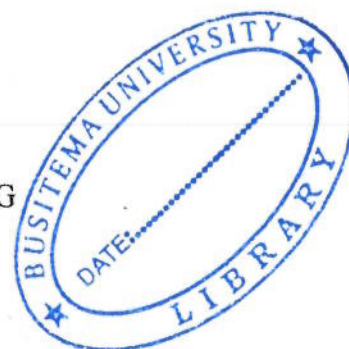
REG. NO: BU/UP/2020/1815

COURSE NAME: INDUSTRIAL TRAINING

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COURSE: DIPLOMA IN CROP PRODUCTION AND MANAGEMENT

**AN INDUSTRIAL TRAINING REPORT SUBMITTED TO BUSITEMA UNIVERSITY
ARAPAI CAMPUS FACULTY OF AGRICULTURE AND ANIMAL SCIENCE,
DEPARTMENT OF AGRI-BUSINESSS AND EXTENSION IN PARTIAL
FULFILLMENT OF THE AWARD OF DIPLOMA IN CROP PRODUCTION AND
MANAGMENT**


28th February to 06 May 2022

DATE OF SUBMISSION: 17/05/2022

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DECLARATION

I Isaac Wayi declare that the information in this industrial training report was carried out, collected and piled from my active participation in the various activities at AbiZARDI and it is original. No copy is or will be succumbed to any institution in recognition for any award.

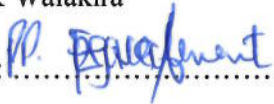
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.....

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Ms Barungi Mary Immaculate

Signature: 

Date: 4th / 5 / 2022



DEDICATION

I devote this work to Mr Lita Jackson, Mrs Ropan Mary, My beloved Mum Awate Margret for all the intellectually, spiritually, financially, morally and inspirationally support given to me to ensure my safe and well-being in school.



ACKNOWLEDGEMENT

I would like to extend my special thanks to the Almighty God for the gift of life and for giving me the strength to do everything in my life and all my family members in various capacities for their collective effort of ethical, Spiritual and material support.

I likewise consecrate the director of Abi-ZARDI (Dr John K Walakira) who gave me a place at Abi-ZARDI for industrial training where I attained practical knowledge and skills during the period.

In a very special way, I thank Ms Barungi Mary Immaculate for accepting to supervise me while in Abi-ZARDI and for sacrificing her time to offer sincere service of guiding and monitoring me from time to time in the course of this industrial training period; you are an amazing companion.

I also in a special way appreciate Abi-ZARDI staffs at large that are competent, responsive and approachable to take us through the various departments practically during industrial training. Without your knowledge, efforts and sacrifices industrial training would not be successful.

I equally honour all my friends and course mates for their support and assistance during industrial training may the Almighty God bless you all accordingly in your various capacities.



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LIST OF ABBREVIATION

Abi-ZARDI:	Abi Zonal Agricultural Research and Development Institute
ARDC:	Agricultural Research and Development Centre
BOF:	British Ox farm
BUAC:	Busitema University Arapai Campus
CBSD:	Cassava Brown Streak Disease
CM:	Centimetres
CMBD:	Cassava mosaic disease
DCP:	Diploma in crop production and Management
DFI:	District Farm Institute
E.g.:	For example
Etc.:	And many others
G:	Grams
Kg:	Kilograms
KM:	Kilo Meters
M:	Meters
ML:	Mil litre
Mr:	Mister
Ms:	Mistress
NARO:	National Agricultural Research Organisation
NB:	Note
PHH:	Post Harvest Handling
VTC:	Variety Trial Centre
WNAEZ:	West Nile Agro-Ecological Zone

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Figure 1: Organizational Structure at Abi-ZARD

Figure 2: Harvesting ground nut

Figure 3: Practical on soya bean planting

Figure 4: Weighing mineral block materials

Figure 5: Fish feeding in aquaculture unit

Figure 6: Demonstration on bee veil as harvesting equipment

Figure 7: Checking silage progress

Figure 8: Current land use at Abi-ZARDI

ABSTRACT

This report serves to provide information about my Industrial training conducted for two and a half month at Abi-ZARDI, a National Agricultural research Institution located 8km away from Arua city (Arua district) in Manibe ward along Rhino camp road. The university introduced the policy of industrial training to impact practical skills and knowledge to students. During the industrial training, several activities were conducted in several units like; crop, soil science, livestock, aquaculture and apiculture where qualified and technical technicians took students through. The units tackled over this period made me to attain skills and knowledge on; pest and disease control in crop, compost manure making, ear tagging, dehorning livestock, castration among others. Industrial training was done successful although challenges like inadequate tools, tools not being in good condition, dry season limiting on some agronomic practices, however the limitations can be resolved by; repairing work tools, provision of more tools, more knap sack sprayers to easy work in various units.

The recommendation to Abi-ZARDI was to train industrial students on agricultural mechanisation so that students gain knowledge on it. To the University; the University should prolong industrial training period so that students acquire more practical knowledge.

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1.0 CHAPTER ONE: INTRODUCTION

1.1 Introduction to industrial training

Industrial Training is a major component of the training program for the students of Busitema University who are pursuing; Diploma in crop production and management (DCP), Diploma in animal production and management (DAP), Bachelor, and Certificate in General Agriculture (CGA) that aims at providing students with practical knowledge of different agricultural discipline. Industrial training began on the 28th 02 2022 to 06th 05 2022.

1.2 Objectives of industrial training

To achieve and impact practical skills, knowledge and experience in the fields of agriculture

To understand the theoretical knowledge through practical

To build confidence among students

To broaden the minds and knowledge of students through internship program

To expose students to learn things outside class and this help students to know things down outside class.

Yield internship report for the partial fulfilment for the award of diploma in crop production and management.

This Industrial training was carried out at Abi-Zonal Agricultural Research and Development Institute (Abi ZARDI)

Abi-Zonal Agricultural Research and Development institute (ABI ZARDI) is one the National Agricultural Research Organizations (NARO) in Uganda and NARO is a semi-autonomous public agricultural research organization established by the act of parliament (National Agricultural act of 2005). Abi-ZARDI is headed by the Director of research and operating under NARO as a component of National Agricultural Research Organization.

1.3 Historical Background of Abi-ZARDI

Before it became ABI ZARDI, it was formally called Abi farm. In 1922, two (2) German veteran's (Mr. Basil Bushy and Mr. George Stub) arrived in West Nile looking for farm land, the elders of Oboopi clan under the leadership of their eldest son Ombanya gathered together and gave them 208 archers (83.2 hectares) of land that was previous a battle field. They opened the land and begun on farming tobacco and other crops and built a factory. They also