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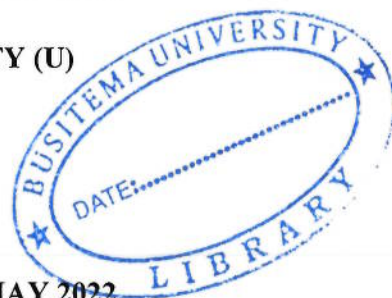
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**BUSITEMA UNIVERSITY INDUSTRIAL TRAINING REPORT CONDUCTED AT
ABI ZONAL AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE**

AYIVU EAST DIVISION, ARUA CITY

P O BOX 219, ARUA CITY (U)



FROM 28TH FEB TO 6 OF MAY 2022

COMPLIED BY ANDEKU JERARLD

REGISTRATION NUMBER BU/UP/2019/2647

CONDUCT NUMBER 0778432564

DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT (DAP)

See

**A REPORT TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS
AND EXTENSION IN PARTIAL FULFILLMENT OF THE ACADEMIC
REQUIREMENTS FOR AWARD OF DIPLOMA IN ANIMAL PRODUCTION AND
MANAGEMENT**

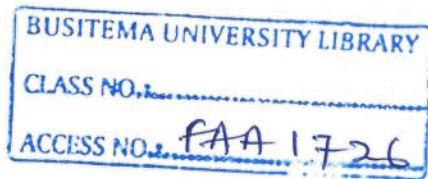
SUBMISSION DATE.....18/05/2022.....


DECLARATION

I ANDEKU JERARLD, hereby declare that the information in this report is original and has been successful carried out and compiled by me as a result of knowledge, skills and experience acquired during the industrial training conducted in Abi-ZARDI. This report has never been submitted by any student to any academic institution for the award of academic papers.

Approval

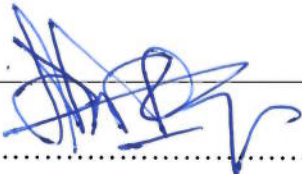
Students name: Andeku Jerarld



Signature..........Date.....13/05/2022.....



Field Supervisor Godwin Komuntaro (Animal Health Technician)

Signature..........Date.....13/05/2022.....

Dr. John K Walakira (Director of Research)



Signature..........13/05/2022.....

Dr. Andiku Charles (Academic supervisor)

Busitema university Arapai campus

Signature.....Date.....

DEDICATION

I dedicate this report to my beloved grandfather Dr. Onzima Ronald external examiner for masters and PhD. Mr. Isaac Anguyo, Mr. Sam Ejibua and my brothers and sisters not forgetting Nasasira Noah, Innocent, Jerimiah and those ones from different institutions due to their Love, care, support that they rendered me to see that I reach greatest peak.

May God bless them all with long lasting life, Love and happiness?


Lee

ACKNOWLEDGEMENT

This report has been made possible by the Grace and Love of God, who provided me with the free gift of Life and knowledge, Wisdom, Good health and courage to complete the industrial training.

My greatest appreciation goes to the university staffs for the commitment in the course of the training, more so for professional and Academic guidance that enabled me to complete the industrial training successfully.

I would like to extend my heartfelt gratitude to the director ~~Abi ZARDI~~ Dr. John Walakira Human resource manager Mr. Birungi Dickens, My field supervisor Mr. Godwin Komuntaro and all technicians' of ~~Abi-ZARDI~~

May I take my sincere appreciation to my Parents,  Sisters and friends for their great help offered May the Almighty God keep them alive and let them succeed in live.

Lastly but not least, I wish to acknowledge those who helped me in one way or the other, but have not been mentioned in this book, I do appreciate your contributions in this book.

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LIST OF ACRONYMS/ ABBREVIATION

ARDC	Agricultural Research and Development Center
MAAIF	Ministry of Agriculture Animal Industry and Fisheries
NARO	National Agricultural Research Organization
WNAEZ	West Nile Agro-Ecological Zones
ZARDI	Zonal Agricultural Research Institute
DAP	Diploma in Animal Production and Management
CBSD	Cassava Brown Streak Disease
VTC	Variety Trial Center
OM	Organic Manure
NPK	Nitrogen Phosphorus Potassium
ECF	East Cost Fever
HR	Human Resource
KTB	Kenyan Top Bar hive
PHH	Post Harvest Handling
SRSDC	Scio-economics Rural Sociology Development Communication
PMEO	Planning Monitoring and Evaluation Officer
NARIS	National Agricultural Research Institution
TPO	Technology Promotion and Outreach

ABSTRACT

This is the brief summary of ten weeks industrial training report, I, carried out at Abi ZARDI which is public Agricultural organisation mediated to conduct and manage adaptive agricultural research development and disseminate improved agricultural technology relative to west Nile agro ecological zone (WEAEZ). It covers thirteen districts within the west Nile.

Abi Zonal agricultural research centre works under three programs that is Natural and crop resources research that involves: crop agronomy, agroforestry and soil fertility, second is animal resource research that is involved in agriculture, livestock which includes goat rearing and dairy animals, aquiculture and apiary, finally the technology promotion and outreach program that covers rural sociology, social economist, planning, monitoring and evaluation officer and communication.

The main objective of the field attachment was to obtain practical skills, knowledge and experience in the diverse field of agriculture that help to improve the knowledge of students in applying theoretical approaches studied in class to the real life experience, different skills I, learnt during field attachment in different unites of the institution include crop entomology, pathology which in clouds identification of crop pests and diseases basing on their signs and symptoms and damages cause, field setting , practical aspect of disease diagnoses prevention, control and treatment in livestock, pink eye treatment, fish pond constriction measurement feeding and feed managements in pond and the different types of hive that is traditional, transitional and modern hives.

Although the training was successful done, however there were some challenges faced during my field attachment. That is Inadequate tools and equipment's that makes some of practical's not to be carried out, few number of animals in the institution and lack of accommodation for intern students, problem of wireless network and power as well.

Therefor out of all this challenges I, do recommend the following to be done by institution to overcome the above mentioned challenges. The institution should purchase more tools and equipment's to be use in the farm, there is need to increase number of animals in the farm, the institution should increase the number of hostels such intern students can be accommodated with the institution premises.

In conclusion industrial training was successful done as I, acquired much of the practical skills and knowledge during my field attachment.

CHAPTER ONE

1.0 Introduction

In accordance with Busitema University on field attachment, the Department agribusiness and extension implements the program in collaboration with her partners for certificate, Diploma and Bachelor students the goal is to produce students who are practically oriented to meet required job related competence of their future employers.

The specific objectives of the field attachment are to:

Provide an opportunity for students and academic staffs to interact with key stake holders and potential employers and thus appreciate the field situation that will also generate information for curricular review and improvement.

Provide opportunity for students to apply the principle and techniques theoretically learnt in to real life problem solving situation.

Develop students understanding of work ethics, employment demand, responsibilities and opportunities.

Enhance and strengthen linkage between Busitema University and various stakeholders.

Enable students get hand on/ real life experience they are expected to work in when they graduate

1.2 Historical Background of Abi ZARDI

Abi Zonal Agricultural Research and Development institute (Abi-ZARDI) is one the National Agricultural Research Organization Institute (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 the NARO as a component of National Agricultural Research organization.

Before it became Abi- ZARDI, it was formally called Abi farm. In 1922, two (2) German veteran's (Mr. Basil Busboy 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 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 started giving in kind assistance to the neighboring communities and because of all those great things