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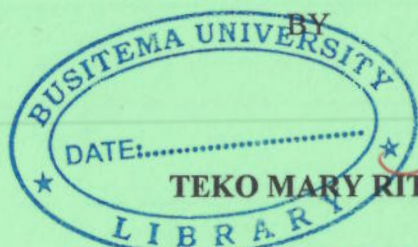
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BUSITEMA UNIVERSITY
FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

INDUSTRIAL TRAINING CARRIED OUT AT NABUIN ZONAL
AGRICULTURAL RESEARCH DEVELOPMENT INSTITUTE
(NABUIN ZARDI)
NABILATUK DISTRICT LORENGEDWAT SUB COUNTY.



REG NO: BU/UP/2019/3230

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COURSE UNIT: INDUSTRIAL TRAINING

code ?

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COURSE: DIPOLMA IN CROP PRODUCTION AND MANAGEMENT (DCP)

INSTITUTION: BUSITEMA UNIVERSITY ARAPAAI CAMPUS

A REPORT SUBMITTED TO THE FACULTY OF AGRICULTURE AND ANIMAL SCIENCES BUSITEMA UNIVERSITY ARAPAAI CAMPUS IN PARTIALFULFILMENT OF THE REQUIREMENT FOR THE A WARD OF DIPOLMA IN CROP PRODUCTION AND MANAGEMENT (DCP)

FROM 28th FEB to 6TH MAY 2022.

Date of submission

01

DECLARATION

I **TEKO MARY RITA** do declare that this report has been collected and compiled by myself and it has not been submitted to any higher institute of learning for any award of any kind, therefore it has been collected and researched to be summited for the first time to the faculty of agriculture and animal sciences Arapai campus for the award of Diploma in Crop Production and management.

Student name **TEKO MARY RITA**

Signature *[Handwritten Signature]*

Date *06/05/2022*

ACADEMIC SUPERVISOR

Name *Ofim Dard*

Signature *[Handwritten Signature]*

Date *12/05/2022*



FIELD SUPERVISOR

Name *KAYONGO SAMUEL MUKI*

Signature *[Handwritten Signature]*

Date *06/05/2022*



DIRECTOR OF RESEARCH

Name *[Handwritten Signature]*

Signature *[Handwritten Signature]*

Date *10/05/2022*



DEDICATION

01

This work is dedicated to Almighty God for his guidance and protection for he enabled me to achieve this work. To my parents, my Father OTYANG DAMIANO and my mother NADUK AGNES, my brothers and sisters not forgetting my Dear SAMUEL in his endless support and advice for their struggle in seeing that I have reached where I am now and May almighty God be with them, guide and enlarge their territories.

01

ACKNOWLEDGMENT

This field attachment is a collective effort by several persons that have laid foundation for its accomplishment. I owe special gratitude to all the **interns** and **Mr. Kayongo Samuel** my supervisor who guided me during this field work period and not forgetting my university supervisor **Mr. Ojuu David**. It is their courage and tireless support that made me attain this golden opportunity to successfully carry out my field work placement. May Almighty bless them and their families abundantly?

I am happily indebted to **Dr Okullo Paul** the Director NARO (NABUINZARDI) for accepting and recommending me to carry out this field work attachment in the organization.

Lastly to the various stakeholders and all staffs of Nabuin Zardi whose efforts contributed tremendously to the accomplishment of this field attachment

May the Almighty God bless you all



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LIST OF ABBREVIATIONS

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NARO	National Agricultural Research Organization
ZARDI	Zonal Agricultural Research and Development Institute
ACM	Agricultural Conservation Measures
AESA	Agro-Ecosystem Analysis
FAO	Food Agricultural Organization
NAADS	National Agricultural Advisory Service
SP	Storage Pests
DUS	Distinctness Uniformity and Stability
ATAAS	Agricultural Technology and Agribusiness Advisory Services
SLM	Sustainable Land Management
MSV	Maize Streak Virus
BMV	Bean Mosaic Virus
GLS	Gray Leaf Spot
NLB	North Leaf Blight
FAM	Fall Army Worm
MSB	Maize Stalk Borer

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ABSTRACT

The industrial training (I. T) was carried out in Nabuin Zonal agricultural research and development institute /National Agricultural research organization (Nabuin ZARDI/NARO) located in Nabilatuk District. Industrial training placement has always been assigned by the university in order for students to put class knowledge into practice in either a governmental, non-governmental and private organizations. During my 2-month industrial period, I got engaged in activities both under livestock and crop departments and they included; spraying of livestock, weight estimation in calves, modern agronomic practices (use of zai pits, data collection on the woodlot, establishment of demonstration garden, post-harvest on millet transplanting tomatoes and green pepper, modern aquaculture practices. Objectives of industrial training; to understand research in crop production for semi-arid production system in areas of semi-research and production for management, to manage research information system that ensures adequate information and linkages with the stake holders and partners. The industrial training greatly impacted on me where I learnt many lessons and gained vast skills and knowledge. despite the lessons learnt and knowledge acquired, there were a few challenges such as lack of a library at Nabuin ZARDI for information access and also insecurity was a very big challenge.

Despite the challenges like insecurity which always left interns and field staff in fear during field work, lack of the library for carrying out research and more relevant information concerning academics the industrial training was greatly rewarding and successful with vast knowledge and skills acquired however, I do recommend construction and equipping of the library at Nabuin ZARDI to be done, the institute should purchase computers so that records are stored electronically.

- NO organisational structure

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CHAPTER ONE

1.0. INTRODUCTION

Field attachment is one of the requirements of Busitema University Arapai campus and other numerous Universities and colleges of higher education before students graduate, they are to go and practice their professions in the field. Busitema Arapai campus places students in various organizations both government non-governmental organizations to attain practical skills and knowledge of their professional interest in relation to class room lectures and there by a report is developed for presentation to the University in partial fulfillment for the award of a DIPOLMA IN CROP PRODUCTION AND MANAGEMENT. This attachment was carried out from Nabilatuk district attached to Nabuin ZARDI under the governmental support program especially the research related institute and implementation in the district.

The campus being agricultural institute of learning, it was therefore wise for me to seek field attachment with Nabuin ZARDI for internship since the institute deals with similar activities and above all research.

1.1 BACK GROUND FOR NABUIN ZARDI

Nabuin ZARDI NARO is a government aided organization located in Nabilatuk district 25 kilometers from Moroto district and it is one of the nine (9) Zonal agricultural research and development institutes under the National Agricultural Research Organization established by the NAR ACT (2005). It has three departments namely administrative department with sub sectors finance, procurement, and farm management. Animal Resources Research Department with sub sectors animal production, animal health, animal traction, aquaculture, and apiary. Then Crop and Natural Resources department with sub sectors agronomy, entomology, and pathology, agroforestry and soil improvement. The institution is mandated to conduct and manage applied and adaptive agricultural research and facilitate the development and dissemination of appropriate agricultural technologies that address the specific needs of the Northern Eastern dry land Agro-ecological Zone of Teso and Karamoja. The zone comprises of 15 districts of Serere, Soroti, Kaberamaido, Ngora, Kumi, Bukedea, Amuria, Katawei, Napak, Moroto, Nakapiripirit, Kotido, Abim, Kaabong and Amudat.