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**AN INDUSTRIAL TRAINING REPORT CARRIED AT NGETTA ZONAL
AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE (NGETTA ZARDI)**

LIRA CITY EAST

FROM 28TH FEB TO 22 APRIL 2022

Name : ATOO ELIZABETH MORO

REG. NO : BU/UP/2020/0929

STUDENT NUMBER : 2000400929

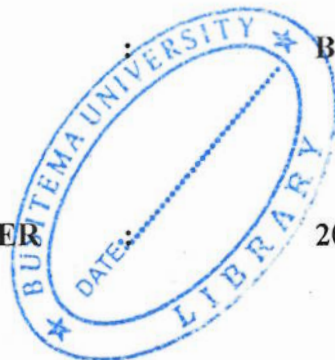
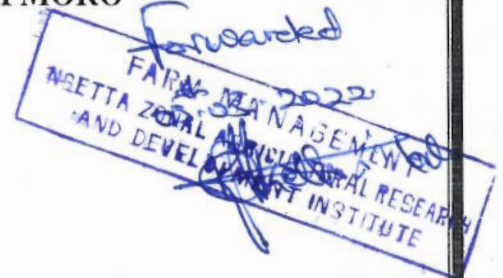
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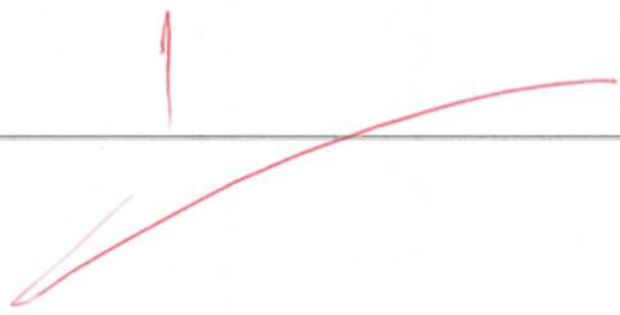
**TO BE SUBMITTED TO THE FACULTY OF AGRICULTURE AND ANIMAL SCIENCE,
DEVELOPMENT OF AGRIBUSINESS AND EXTENSION TO THE PARTIAL
FULFILLMENT AND AWARD OF DIPLOMA IN CROP PRODUCTION AND
MANAGEMENT**

DATE OF SUBMISSION... 18th/05/2022.....



DECLARATION

I **Ato Elizabeth Moro** do declare that this report is original and was compiled after industrial training carried out at Ngetta Zonal agricultural research and development institute and has never been presented to any university for the award of diploma in crop production and management.

A red handwritten signature, possibly 'Ato Elizabeth Moro', is written across the page. It starts with a vertical line, then curves to the right and then back down to the left.

APPROVAL

The industrial training report was carried out by **Atoo Elizabeth Moro** at Ngetta ZARDI from **28th Feb to 22nd April 2022** as a partial fulfillment for the award of Diploma in crop production and management at Busitema University Arapai Campus.

Approved by the supervisor

Name: **OKELLO HORACE.**

Signature: 

Date: **05/05/2022**

Approved by the student

Name: **ATOO ELIZABETH MORO**

Signature: 

Date: **18th /05/2022**

Academic supervisor

Name: **Mr. Musoba Andrew**

Signature: 

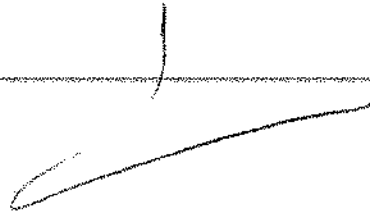
Date: **18th /05/2022**




DEDICATION

I would like to dedicate this report to my beloved parents and to my sisters and brothers for their financial support given to me during the training.

Secondly I would like to dedicate to all the staff of Busitema University and all my friends

A handwritten signature in black ink, consisting of a vertical stroke followed by a large, sweeping curve that extends to the right and then loops back down.

ACKNOWLEDGMENT

I greatly thank almighty God for protecting me during the industrial training despite of the challenges. I also extend my sincere gratitude to my parents, my sisters and brothers for their financial contribution towards the training and to all staff of Busitema university Arapai Campus who materially helped me in one way or the other to produce this report more thanks goes to the administration of Ngetta Zonal Agricultural research and development institute, the Director, field supervisor Mr. Horace Okello, farm manager and all attendant in various department at the institute who generously contributed towards the success of my training.

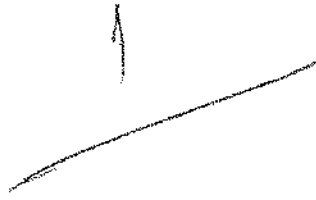


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LIST OF ABBREVIATION/ACRONYMS

ZARDI: Zonal Agricultural Research and Development Institute

NARO: National Agricultural Research Organization

DFI: District Farm Institute

NARL: National Agricultural Research Laboratories

NACCRI: National Agricultural Crop Resource Research Institute

~~NAFORRI: National Forestry Research Institute~~

NGOs: Non-Governmental Organization

NAADS: National Agricultural Advisory Services

CBOs: Community Base Organizations

IPC: International Potatoes Centre

SSP: Single Super Phosphate

DSP: Double Super Phosphate

NPK: Nitrogen Phosphorus Potassium

M²: Meter per square

E.G: For Example

Mgt: Management

Cm: Centimeter

M: Meter

Mr.: Mister

Mrs.: Misses

Dr.: Doctor

Etc.: And many other excreta

Km: Kilometer

I.T: Industrial training

LIST OF TABLES AND FIGURES

Fig 1: Organizational Chart of Ngetta ZARDI

Fig. 2: Breeds of dairy cattle and their characteristics

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ABSTRACT

Ngetta ZARDI hosted us (students from Busitema University, Arapai Campus) FOR industrial training which started from 28th Feb to 22 April and completed well. This written report has activities carried out during the training and this activities covers all the chapter in this content and the activities includes; Orientation, to make the student know the area of the institute and to know various units within Ngetta ZARDI, orientation also helps a students to interact with their fellow students from another institutions and the staff as well before the start of the training, description of the attachment as stated in chapter two and the description is on Agroforestry which involved raising seedling in the nursery bed and planting of the tree, during the training we did some activities under Agroforestry like mixing the soil, budding grafting and many others. Aquaculture is also one of the activity done during the training and under aquaculture we did slashing around the fish pond, adaptive research is also one of the attachment during our training and field marking and planting of the pigeonpea was also one of the activities I did during the training, livestock, horticulture, goat unit, germplasm, and dairy unit were among the attachment given during the training I also experience some challenges which include long distance limited cooperation among the students, poor time management lastly chapter explained conclusion and recommendation, I concluded that the industrial has been so beneficial to me and made me develop a lot of skill and knowledge in; budding, grafting, disease identification and horticultural training among others, in recommendation, the institute should renovate the remaining building like the crush, sparing race dip tank among others but this training made me gained a lot of knowledge and I have no doubt for any extension activities since I have been doing a lot at the institute.

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CHAPTER ONE: INTRODUCTION

After completing the course, there is need for internship or industrial training. The industrial training is the study where students go to expose themselves to the field for practical activities after learning theory from class students carry out practical activities like treatment of animals, deworming and spraying, pruning, budding, raising seedlings in humidity chamber, demonstration in the garden to mention but a few. This IT starts on the 28th Feb to 22nd April.

OBJECTIVES OF THE TRAINING

- To get the chance of acquiring professional behaviors and attitude.
- To get chances of trying out our skills like interviewing farmers and teaching them
- To acquire skills and knowledge of socializing with farmers in the outside communities.
- To acquire related theory, we learn from class to practical
- To get train on personal effectiveness

HISTORICAL BACKGROUND

The historical background states that Ngetta ZARDI has been construction in 1930's during the past World War II period, the institution was used as a resettlement and orientation site for war veterans, in 1930's, the colonial government gave it to the department of agriculture for the purpose of training farmers on the better farming practices. After independence, the government upgraded it to District Farm Institute (DFI) under the ministry of agriculture. Till 1999, when 165 ownership and management changed from DFI to Ngetta Agricultural Research and Development Centre (ARDC), In 2006, the name changed from Ngetta Agricultural Research and Development Institute (ZARDI). The institute has a land of 221hectares (550 acres) while the satellite station has a land of 70.8 hectares (175 acre) though the communities around has encroached some part of the land,

LOCATION.

Ngetta Zonal Agricultural Research and Development Institute (Ngetta ZARDI) is located three miles or 5km on Lira-Kitgum road, North of Lira town in Okii Oyere Village, Telela Parish, Ngetta Sub County, and Lira city east in Northern Uganda.