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**FACULTY OF AGRICULTURE AND ANIMAL  
SCIENCES**

**A COMPREHENSIVE REPORT ON INDUSTRIAL TRAINING  
CARRIED OUT AT NGETTA ZONAL AGRICULTURAL  
RESEARCH AND DEVELOPMENT INSTITUTE**

**LIRA CITY EAST DIVISION**

**FROM 28<sup>ND</sup> FEB TO 22<sup>TH</sup> APRIL 2022**



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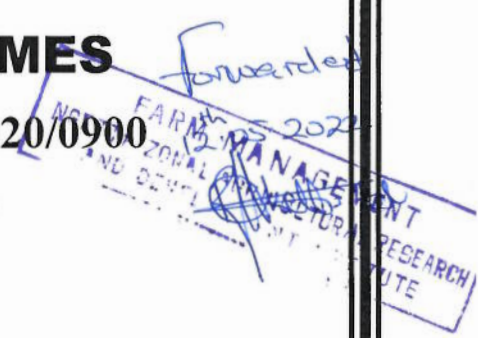
**ACADEMIC YEAR : 2020/2021**

**BUSITEMA UNIVERSITY-ARAPAI CAMPUS**

**P.O BOX 236 Tororo, Uganda**


**THIS REPORT IS TO BE SUBMITTED TO THE DEPARTMENT OF  
AGRIBUSINESS AND EXTENSION FOR THE PARTIAL  
FULFILLMENT AND AWARD OF A DIPLOMA IN CROP  
PRODUCTION AND MANAGEMENT AT  
BUSITEMA UNIVERSITY-ARAPAI COMPUS**

**DATE OF SUBMISSION: 18<sup>th</sup> / 05 / 2022**



**DECLARATION**

I **Oceng James** do hereby declare that this information contain in this report is true facts and original obtained from the field work. It has never been submitted to any institution by any one and has not been subject to any intensive editing. I shall be held responsible for any error made here.

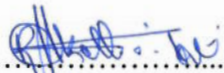
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**APPROVAL BY:**

This report has been submitted under the supervision of both academic and field supervisors undersigned below.

**Field supervisor: MR. OKELLO HORACE**

Signature :  .....

Date : 12<sup>th</sup>/05/2022 .....

**Academic supervisor: MUSOBA ANDREW** .....

Signature : .....

Date : .....

## DEDICATION

I would like to dedicate this report to my parents Mrs. Silvia Oceng Odia, Mr. Oceng Moses, my brother Odyek Thomas and to all my beloved sisters who supported me during this training.

Secondly, I would like to dedicate this report to all the staffs of Busitema University- Arapai Campus.

Lastly, special dedication to all the friends Ocan Alfred and Ocen Morris.



## ACKNOWLEDGEMENT

I wish to express my sincere gratitude to director Ngetta ZARDI and office in charge of training Mr. Okello Horace for admitting me to carry out training with them and also for their good support offered to me during the training.

Special thanks goes to, Okodet John Mark, Okello Horace and others that I may not reflect for their technical skills given to me and guidance during the time of industrial training.

I am great full to my dear father Mr. Oceng Moses, farm manager Ngetta ZARDI and all the staffs for all kinds of support granted to me at the course of training.

I would like to express my appreciation to my institute for working tirelessly with me most especially Mr. Musoba Andrew my academic supervisor and others.

I congratulate my father for contributing some money for my report and my mother, for the financial, emotional and spiritual support during the course of my industrial training. May God bless you all abundantly.

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## **LIST OF ABBREVIATIONS**

(IT) – Industrial Training

(ZARDI) – Zonal Agricultural Research and Development Institute

(DFI) – District Farm Institute

(NARO) – National Agricultural Research Organization

(ARDC) – Agricultural Research and Development Center

(NAADS) – National Agricultural Advisory Services

(NACRRI) – National Crops Resource Research Institute

(NASARRI) – National Semi and Resource Research Institute

(NGOS) – Non-Governmental Organization

(FAO) – Food and Agricultural Organization

(CBSD) – Cassava Brown Streak Diseases

(FOA) – Food and Agricultural Organization

(WFP) World Food Program

(IITA) – International Institute of Tropical Agriculture

(MAAIF) – Ministry of Agriculture Animal Industry and Fisheries

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## **ABSTRACT**

The training was carried out at Ngetta Zonal Agricultural and development institute in Lira City, Northern Uganda. The institute deals in a number of activities which includes; Aquaculture, Agroforestry, Livestock, Germplasm, annual and perennial crop production, poultry rearing.

During my industrial training I was involve in a number of activities such as cleaning, milking, treatment and feeding in the goats and diary unit; budding and grafting in horticulture unit and many others like field marking, potting, weeding and watering of the seedling. I gained a lot in this industrial training as I acquired a number of skills and knowledge that can expose me to the world of work as well modeling my future career.

The institute faced a number of challenges like few technical stuffs, lack of enough water source, most of the officers do their work during the working hours which was a disadvantage to us.

I faced a number of limitation during the course of training e.g. the work place was far from where I was living, some supervisors used to be away when I need them.

I recommend to the institute that they should provide the internees with accommodation for smooth training and better time management.

The students should participate in the practical skills and gain more knowledge that will expose them in the world of work.



# CHAPTER ONE: INTRODUCTION

Title of the organization is Ngetta Zonal Agricultural Research and Development Institute

## 1.1 Location of the organisation

NGETTA ZARDI consist of two sections, the one located 5km(3 miles) on Lira -Kitgum road and a satellite station located on the outskirts of Kitgum town.

The main station has a land area of about 221 hectares (550 acres) while the satellite section has a land are of 70.8 hectares (175 acres).

The main campus is 10°17'N and 32°56'E the elevation is 1180m above sea level, the climate of the place is tropical with mean annual temperature of 30-34°C and the lowest temperature (28-14°C) and highest temperature (33-39°C)is in February.

Rainfall in the area is Bi-modal with the first rainfall during March-June and the second rainfall in March to November. The mean annual rainfall is 1305.3mm. The vegetation is savannah grassland with scattered trees and shrubs. The soil is sandy loam and the topography and soil characteristic has made the institute suitable for mechanization and cultivation.

## 1.2 Historical background

Historical background about Ngetta ZARDI is scanty. However inscription on some buildings suggest that construction at the ZARDI, formally District farm institute (1969-1999), and Agricultural Research and Development center (1999-2006) started in 1930s. It was a research center for cotton under the Serere Research Station. During the post-world war 2 period, the center was used as a settlement and re-orientation site for war veterans. In the so the colonial government gave it to Department of agriculture for the purposes of teaching farmers around the center on batter farming practice. After independence the government upgraded it to district farm institute (DFI) under the ministry of Agriculture and it served the Lango district. In 1999, its ownership and management was transferred to National Agriculture Research Organization (NARO) The name then changed from Ngetta DFI to Agricultural Research and Development center (ARDC). With the coming into force of the NARS Act 2005, Ngetta ARDC became a zonal Agricultural Research and Development institute with the main campus at ngetta in lira, and a satellite station located at the former Kitgum ARDC on the out skirts of Kitgum town.