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BUSITEMA UNIVERSITY ARAPAI CAMPUS

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P.O.BOX 23, SOROTI (U)

**COMPREHENSIVE REPORT CARRIED OUT AT NGETTA ZONAL
AGRICULTURAL RESEARCH AND DEVELOPMENT INSTITUTE**

(ZARDI)

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INDUSTRIAL TRAINING PERIOD: 28TH FEB, 2022 TO 13TH MAY, 2022

COMPLIED BY: ADUPA IVAN OLING

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forwarded
17/05/2022
NGETTA ZONAL AGRICULTURAL RESEARCH
AND DEVELOPMENT INSTITUTE
Okello

**A REPORT FOR THE PARTIAL FULFILMENT FOR THE AWARD OF
DIPLOMA IN CROP PRODUCTIO AND MANAGEMENT**

(DCP)

SUPERVISOR: MR. OKELLO HORACE

SIGNATURE:.....

SUBMISSION DATE:.....



DECLARATION


I **ADUPA IVAN OLING** declare that the information provided this is my original work which has been written by me and it has never been submitted to any other university or institute of higher learning for the award of Diploma in crop production and management.

(Handwritten red checkmark and number 1)

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APPROVAL

This is to certify that I ADUPA IVAN OLING, REG NO: BU/UP/2019/3293 has attended his training at Ngetta Zardi on both crop and animal management practices under my supervision and the report is now ready for submission for the award of Diploma in crop production and management

SIGN..........

DATE.....17th.05.2022.....

SUPERVISOR'S NAME...OKELLO HORACE.....



DEDICATION

I therefore dedicate this work to my guardian kizito oola and dear parents, father Mr .Vincent Oling and my mother Ms. Rose Oling my brother Oola Louis, Oling Rafeal and my sister Apolo Immaculate for supporting me financially plus their advice which strengthen my heart during the course of my study and their encouraging words they have been rendering to me and all my supervisors who rendered their time to make me do all the training and learning smoothly, may God bless them abundantly.

ACKNOWLEDGEMENT

My sincere thanks and honor goes to the almighty God for upbringing me from the level of childhood up to where I am, my guardian Oola kizito for his special support towards my education and father Mr. Vincent Oling and my mother, Ms. Rose Oling who devoted all their effort and time to support me financially, materially to make my study accomplished smoothly.


It is of grantees to thank all my brothers Oola Louis, Oling Rafeal and Sisters Apolo Immaculate and to my friends, Linda, Shara, Solomon, Morish who offered to me their advice that strengthen my heart to make my study accomplished.

Lastly sincere gratitude goes to the administrator of Busitema University Arapai Campus and to all staff of Ngetta Zardi for the entire support they have given to me mostly the field supervisor Mr. Okello Horace who devoted his time, may the almighty God bless those who help me abundantly.



ABBREVIATION

DFI:	District Farm Institute
IT:	Industrial Training
NARO:	National agricultural research organization
NCA:	National certificate in agriculture
NGETTA ZARDI:	Ngetta zonal agricultural research and development
REG NO:	Registration number



ABSTRACT.

The purpose of this industrial training is to attain the practical skills both in crop husbandry by using the theoretical knowledge acquired by the student.

The industrial training was carried out for ten weeks and it was from Monday to Friday. Several activities were carried out in different field as a student was allocated to different section from the term.

In the first week, it was basically utilized for orientation to make me know the farm policies, premises and staff to deal with morals to have within the farm community.

The report contains introduction and historical background, location of the place of internship which was Ngetta Zardi.

The activities carried in Agriculture, Agroforestry, horticulture, and Adaptive research and crop production.

Challenges faced, solution, recommendation, conclusion of intern all constitute this report.

Lastly this report contains references.

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CHAPTER ONE

1.0 INTRODUCTION

The training started –on the 28th/FEB/2022-13TH/MAY 2022 with brief introduction among students and staff on that day, they orient us with brief historical background and location of the farm sections whereby we visited all sections like, demonstration/ mother garden, aquaculture, livestock production, agro forestry, horticulture, diary unit, goats production and adoptive research/ experiment.

1.1 HISTORICAL BACKGROUND

Historical information about NGETTE ZARDI is scanty. However inscription on some building suggest that construction at NGEZARDI former district farm institute (1964-1988) and agricultural research and development center (1999-2006) started in 1930s it was research station for cotton under the serer research station during the post-world ii periods, the center was use as settlement and recreational site for veterans in the 50th century the colonial government upgraded it to the district farm institute (DFI) under the ministry of agriculture and served the Lango in 1990s, its ownership and management was transferred to national agricultural research organization (NARO).

The name then change from Ngetta DFI to Ngetta agricultural research and development Centre (ARDC) with the coming into force of NARact 2005, Ngetta ARDC institute with the main campus at Ngetta in lira and satellite station located at the former kit gum ARDC on the outskirts of Kitgum. As public agricultural research institute Ngetta ZARDI is semi-autonomous institute under the supervision and guidance of management committee.

1.2 LOCATION.

ngetta zonal agricultural research and development institute consist of two (2) stations, the main one located 5km (5miles) on lira to kitgum road, and satellite station located at on the outskirts of kitgum town the main station has elnd area of about 221 hectares (550 acres) while the satellite station has a land area of 70.8 hectares (175 acres) the main campuses 1017N of the equator and 32056E. the mean annual temperature 30.43c and the lowest temperature (28.14c) is usually in July and the highest33.39c is in February.

Rainfall at the institute is bi-modal with the first rain falling during March to June and thesecond rain falling from august to November mean annual rainfall 1305.3mm.

The vegetation is savannah grassland with scattered trees and shrubs.

The soils are sandy, loams and the topography and soils characteristics make the institute suitable for mechanized cultivation.