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

LIRA CITY EAST DIVISION
FROM 28TH FEB TO 22ND APRIL 2022



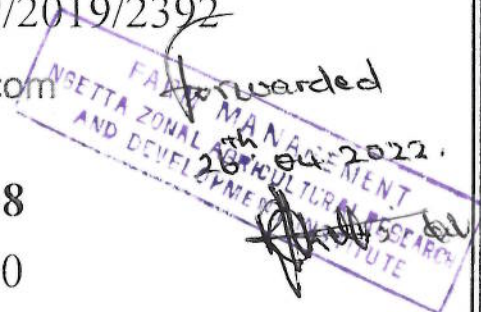
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ACADEMIC YEAR : 2019/2020



BUSITEMA UNIVERSITY ARAPAI CAMPUS

P.O BOX 203 Soroti, Uganda

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

DECLARATION

I **Apiyo Nancy** do declare that this report is original and was compiled after industrial training carried out at Ngetta ZARDI and has never been presented to any University or any other institution for the award of diploma in crop production and management.

Date:

..... 27th/04/2022

Signature:

..... *apiyo*

✓

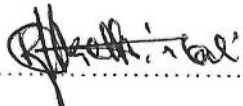


APPROVAL

The fieldwork and report has been done with the supervision and guidance of both the field supervisor and academic supervisor undersigned below;


Field supervisors name: **MR. OKELLO HORACE**

Date: th 26th 04, 2022,

Signature: 

Academic supervisors name: Musoke. Andrew

Date: 26/04/2022.

Signature: 

DEDICATION

I would like to dedicate this report to my parents **Mrs. Aya Grace, Mr. Oyet Albert George,** my brother **Watmon Geoffrey** and to all my sisters who supported me during the training.

Secondly I would to dedicate to all the staff of **Busitema University Arapai Campus.**

Lastly special dedication goes to friends **Sharon, Assa, Chris, Grace, Samuel and Peace.**



ACKNOWLEDGEMENT

With great pleasure I would to send my sincere gratitude to all my family members for their financial contribution towards the training and all staff of Busitema University of Arapai Campus. Whom materially helped us in one way or the other to produce this report. More thanks goes to the administration of **Ngetta ZARDI** and the Director, Field supervisor, Farm Manager and all attendants at the institute who generously contributed towards the success of my industrial training.



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LIST OF ABBREVIATIONS

DAP	Diploma in Animal Production and Management
BUAC	Busitema University Arapai Campus
DFO	District Fisheries Officer
CGA	Certificate in General Agriculture
NGOs	Non-Governmental Organizations
DCP	Diploma in Crop Production and Management
NARO	National Agricultural Research Organization
MAAIF	Ministry of Agriculture Animal Industry and Fisheries
NAADS	National Agricultural Advisory Services
ZARDI	Zonal Agricultural Research and Development Institute
DFI	District Farm Institute
CBOs	Community Based Organizations

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ABSTRACT

This report contains the introduction describing the full meaning of Ngetta ZARDI and location, historical background, vision, mission, mandates, core values, activities and structure of the organization.

The training was to equip the researchers with the knowledge on practical skills required in agricultural activities. This is described through different activities carried out in different units. The units include; dairy production unit, goat unit, agro forestry, horticulture, germplasm (mangoes and citrus plantation), aquaculture, apiculture and adaptive research. Some of the activities were: cleaning, milking, treatment and feeding in goats and dairy units, budding and grafting in horticulture unit and among others.

Practical skills were gained for example milking, tick control, budding, grafting, potting, vegetative propagation and paddock management which had great positive impact on my future career.

Conclusion which shows that the attachment was successful, challenges and recommendations like the institute should employ farm attendants who know English.

Lastly, the last pages have a sketch map of the Ngetta ZARDI, figures and the work plan.

CHAPTER ONE:

INTRODUCTION

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

HISTORICAL BACKGROUND

Ngetta ZARDI being a research institute has scanty historical background (historical background about the institute is not clear) but is believed to have started around 1930s as a cotton variety try center under Serere Agricultural and animal research institute (SAARI) currently known as NaSARRI after the first world war of 1939 to 1945.

After the post-World War II the center was used as orientation and resettlement of the war veterans

The center was turned to be a District Farm Institute (DFI) for training farmers on better agricultural practices after independence. In 1999 despite the political insurgency the center was handed over to NARO. The institute is being owned by the government. It works under MAAIF. Ngetta ZARDI offers quality seeds e.g. Maize, Cassava cuttings, Sweet potatoes vines etc. to its customers. They also offer outreach and farmer training to its customers.

Persons regarded as customers/beneficiaries of the organization are the staff of Ngetta ZARDI, local community (farmers), institutions (schools).

LOCATION

Ngetta ZARDI is located. 1°17⁰N of the Equator and 32.56⁰E of Greenwich meridian, in Northern Uganda, Lira City, Lira City East Division, Telela Ward, Okii-oyere Cell along Lira-Kitgum high way about 5 kilometers from Lira town. The vegetation is savanna grass land with scattered trees and shrubs, the soils are well drained sandy loam and the topography is gentle slope (plateau). The elevation of the institute is 1000-1180m above sea level

OBJECTIVES/AIMS OF THE ORGANISATION

The following are the objectives of Ngetta Zonal Agricultural Research and Development Institute (Ngetta ZARDI) under National Agricultural Research Organization (NARO)

- To manage and carry out applied adaptive research for northern agro ecological zone
- To improve on the goats production, Dairy breeds and fishery to meet the increase demand and to improve on the dietary of the local population in terms of milk got from dairy cows