



FACULTY OF AGRICULTURE AND ANIMAL SCIENCES

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

FROM 28ND FEB TO 22TH APRIL 2022

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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 COMPUSTISMS

DATE OF SUBMISSION: .4. 15/2022

DECLARATION

I AKULLO BEATRICE declare to the best of my knowledge that this industrial training report is my original work which was done by me after my industrial training at Ngetta ZARDI. This report has never been submitted by any other person for academic credit. I compiled this report by my own effort and not forged from any other source or document submitted to any institution of learning.

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DEDICATION

Foremost, I would like to dedicate this report to the Almighty Father for enabling me to accomplish my eight weeks internship training successfully.

Not only that, I dedicate this report my Father Mr. OKULLO MOSES OPIO, Mother Mrs. SUZAN OKULLO, sisters ADONG MERY, AKECH DELISH, ACHIPA LUCY and ADERO SANDRA, my brother Omara Stephen and Odiko Abenego for the support they granted me during the whole of my studies and this industrial training both financially, materially and spiritually.

Not forgetting my lovely lecturers and staffs of BUAC for being behind my successful internship.

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ACKNOWLEDGEMENT

1 would like to thank the management of Busitema University and management of Ngetta ZARDI for granting me the opportunity to pursue my academic excellent at such a wonderful public institution.

Finally I would like to extend my gratitude and thanks to my parents, brothers, sisters, friends, and everyone who helped me to go through my training successfully.

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LIST OF ABBREVIATIONS

DFI District Farm Institute

BUAC Busitema University Arapai Campus

MAAIF Ministry of Agriculture Animal Industry and Fisheries

DCP Diploma in Crop Production and Management

DFO District Fisheries Officer

NAADS National Agricultural Advisory Services

NGOs Non-Governmental Organizations

DAP Diploma in Animal Production and Management CGA Certificate in General

Agriculture

NARO National Agricultural Research Organization

ZARDI Zonal Agricultural Research and Development Institute

CBOs Community Based Organizations

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ABSTRACT

This report consist of activities which were carried out at Ngetta ZARDI from the time period eight (8) weeks i.e. from 28th February to 22nd April 2022 and contains four (4) charters of which contains the introduction to Ngetta ZARDI, location, historical background, vision, mission, mandates and core values including activities and structure of the organization. The main purpose of the conduction this industrial training was to equip trainees/students with the knowledge on practical skills to back up their theoretical knowledge in agricultural extension 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. And the impact of the attachment during the training i.e. skills gained, qualifications, responsibilities undertaken, influence of the attachment on my future career plan and correlation of the attachment activities carried out with my classroom knowledge,

The final chapter, highlights the conclusion and recommendations the management of Ngetta ZARDI and Busitema University.

Lastly, the appendix which is the last part of the report consist of the work plan, photos of trainee in the field, organizational structure, sketch map of Ngetta ZARDI.



CHAPTER ONE

1.0 INTRODUCTION

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

1.1 HISTORICAL BACKGROUND

Ngetta ZARDI as research institute has a historical background which is not clear but is believed to have started around 1930s as a cotton variety trying center under Serere Agricultural and animal research institute (SAARI) currently known as NaSARRI after the First World War (1939-1945).

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)

1.2 LOCATION

Ngetta ZARDI is located. 1'17°N of the Equator and 32.56°E 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

1.3 AIMS OF THE OGANISATION

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 agroecological 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
- To extend research on livestock especially goats, dairy and fisheries.