



**BUSITEMA
UNIVERSITY**
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P.O. Box 236, Tororo, Uganda
Gen: +256 - 45 444 8838
Fax: +256 - 45 4436517
Email: info@adm.busitema.ac.ug

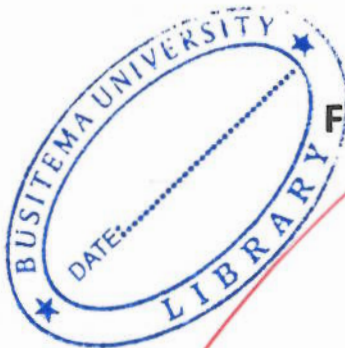
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**A COMPREHENSIVE INDUSTRIAL REPORT ON INDUSTRIAL TRAINING
CARRIED OUT AT NGETTA ZONAL AGRICULTURAL RESEARCH AND
DEVELOPMENT INSTITUTE (NGEZARDI)**

P.O. BOX 52, LIRA



FROM 28TH/FEB 2022 TO 22ND APRIL 2022

COMPILED BY: OYIE OGWOK LEVY

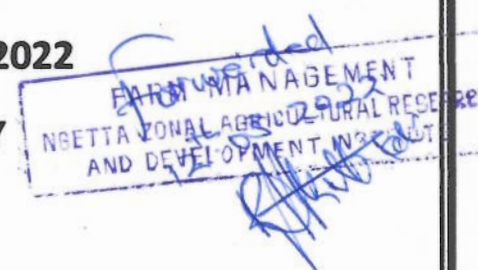
REG NO. BU/UP/2019/2666

EMAIL: oyielevy@gmail.com

COURSE CODE: 2105

CONTACT: 0776600015

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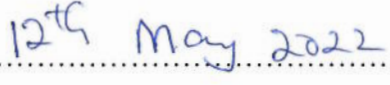
**A REPORT TO BE SUBMITTED TO THE DEPARTMENT OF ANIMAL
PRODUCTION AND MANAGEMENT**

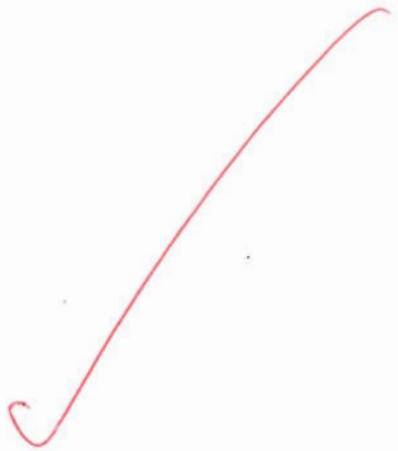
**IN THE FULFILLMENT FOR THE AWARD OF BACHELOR IN ANIMAL
PRODUCTION AND MANAGEMENT**

DATE OF SUBMISSION: 18/05/2022

DECLARATION

I Oyie Ogwok Levy declare that this report is my own work.

Signature.......... Date..........




APPROVAL

This report is submitted with approval of the following staff;

From Ngetta ZARDI

FIELD SUPERVISOR

NAME: OKENO HORACE

Signature..... 

Date..... th 12 May 2022

University supervisor

Name:

Signature..... Date.....



DEDICATION

I dedicate this report to my beloved wife and my children for their support during this training.
Special dedication goes to my fellow students whom I worked with during the training.



ACKNOWLEDGEMENT

First and foremost I would like to extend my sincere thanks to the staffs of Busitema University for support they provided to make this piece of work a success

I acknowledge Mr. Mbogwa the head of animal department and all lecturers for their expertise and knowledge.

Thank goes to the management of Ngetta ZARDI who granted me permission to join the institution for this internship. Special thanks go to my supervisors Mr. Okello Horrace who received and trained me.

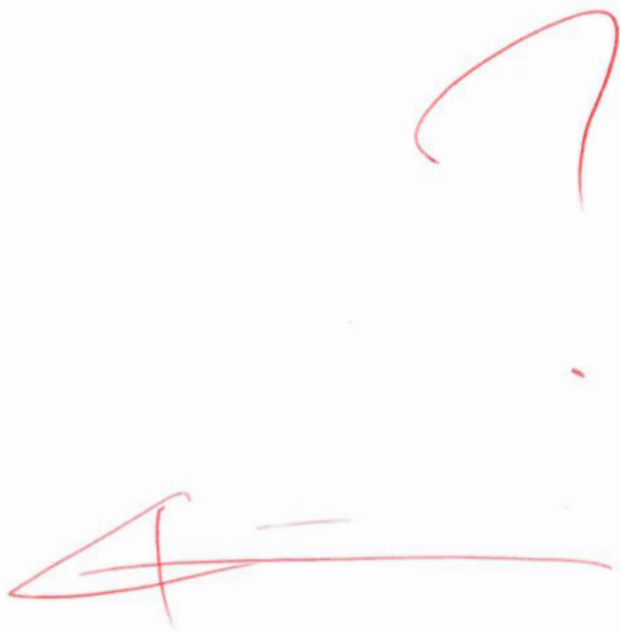
May almighty God bless you.

Table of Contents	Page
DECLARATION.....	i
APPROVAL.....	ii
DEDICATION.....	iii
ACKNOWLEDGEMENT.....	iv
LIST OF ABBREVIATIONS.....	vii
LIST OF TABLES AND FIGURES.....	viii
ABSTRACT.....	ix
CHAPTER ONE.....	1
INTRODUCTION/ORIENTATION.....	1
Historical Background Of Ngetta Zardi.....	1
THE ORGANIZATIONAL STRUCTURE OF NGETTA ZARDI.....	2
CHAPTER TWO.....	3
ACTIVITIES CARRIED OUT.....	3
Dairy Section;.....	3
Table one; common ticks that were controlled and diseases they transmit.....	3
Recording of milk production;.....	3
Cleaning of animal premises;.....	3
Treatment of the eye;.....	4
Pasture section;.....	5
Poultry unit;.....	5
Table three. Water consumption response to different weather conditions.....	5
Factors Affecting Water Consumption.....	6
Conduct water tests.....	7
Change filters regularly.....	7
Flush water lines regularly.....	7
Plan ahead before treating water.....	7
AQUACULTURE.....	8
Feeding Your Fish.....	8
Remove Accumulated Debris.....	8
Stocking of fish pond.....	8
CHAPTER THREE.....	11

LIST OF ABBREVIATIONS

U.S	University Supervisor
F.S	Filed Supervisor
ZARDI	Zonal Agricultural Research Development Institute
A.R.D.C	Agricultural research Development centre
D.F.I	District farm ministry
NARO	National agricultural research organization
USAID	United state agency for international development
C.B.O	Community Base Organization
N.G.O	Non Governmental Organization
L/S	Lives stock.
K	Potassium
Na	Sodium
SO ₄	Sulphate
Cl	Chlorine
Mg	Magnesium
HCo ₃	Hydrogen bicarbonate
ECF	East Coast fever

EXPERIENCES AND LESSIONS LEARNT FROM INDUSTRIAL TRAINING.....11
3.0 Benefits derived and responsibilities undertaken during the period of training.11
3.1 Skills and knowledge gained during the period of attachment.11
3.2 Challenges/problems experience.....11
CHAPTER FOUR12
CONCLUSIONS AND RECOMMENDATIONS12
4.1 Conclusion12
4.2 Recommendation12
APPENDICES13
TABLE TWO: WORK PLAN TO PLACEMENT NGETTA ZADRY14



LIST OF TABLES AND FIGURES

Figure 1: Showing treating of the eye infectious kerato conjunctions

Figure 2: showing Pastures collection for feeding goats

Table Two: Work plan to placement At Ngetta ZARDI

Table three. Water consumption response to different weather conditions.

Figure 3: Feeding dairy cows

Pages

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ABSTRACT.

This report is a compilation of what I learnt and did during my farm and community practice, which prevailed for ten weeks in Ngetta ZARDI located in Lango sub-region in the Northern part of Uganda. The farm practice is a necessity for partial fulfillment of a requirement for the award of a degree Bachelor of Animal Production and Management. The training was carried out with the objectives of exposing students to various farm enterprises and community hence strengthening their extension competence and capability in areas of communication, planning and community interactions, give students chance to have hands on experience in relation to animal production, enable students relate class work for field situations and introduce students to basic research concept.

The activities that are done orientation, spraying dairy cattle, daily recording of milk produced, cleaning milking parlour, collection of manure, cleaning of goats unit, cutting of grass, feeding of goats with hay, providing water to the goats, treatment, pasture identification, pasture improvement, slashing around the poultry unit, lecture on aflatoxine, transportation of fingerlings, stocking fish pond and pond management.

CHAPTER ONE

INTRODUCTION/ORIENTATION

Historical Background Of Ngetta Zardi

Ngetta Zonal Agricultural Research and Development Institute (Ngetta ZARDI) which is a centre for technology development and agricultural information dissemination. Furthermore, NAEZ was ravaged by the Lord's Resistance Army (LRA) war for almost 20 years (from 1986 to 2006) which resulted into displacement of people, inevitably forcing people off their land. This inadvertently helped to rest the land, allowing for rehabilitation of formerly degraded farmlands in the region. There are several partners operating in the zone to rehabilitate degraded lands/ hotspots. These include Goal Uganda, Care Uganda (for sustainable land utilization), and ACORD (for natural resources conservation, NAADS /Operation Wealth Creation, World Vision, CLUSA (for conservation farming), Land Care Network, PRELNOR and the Local Governments.

Recommendations for sustainable land management include but are not limited to; providing the local communities with incentives like free tree seedlings, minimum tillage farm implements (ox-drawn rippers), improved high yielding, early maturing and drought tolerant seed varieties, and training districts and sub-county agricultural officers to increase the adoption of SLM technologies.

Contact persons include Dr Laban.F. Turyagenda (Director of Research, Ngetta-ZARDI), Dr. Emmy Wasajja (SLM Specialist, Ngetta ZARDI), and Mr. Joseph Tamale (SLM research component leader, Ngetta ZARDI).

The zone has a total land area of about 37,456.9 km², which comprises about 15.5% of the national land area (241,550.7 km²) with a total human population of about 3,856,928 people (UBOS, 2012).

CLIMATE.

Temperature for the zone ranges between 16 and 23°C. Ferralsols and Leptosols with a sandy loam texture are the dominant soil types. Farming is the main economic activity in the zone entailing crop enterprises like maize, millet, cassava, sweet potatoes, beans, peas, sunflower, groundnuts, cotton and tobacco; and livestock farming especially dairy cattle, dual-purpose indigenous cattle breeds, goats, pigs and sheep. NAEZ is endowed with a variety of natural resources, which provide enormous ecosystem services: these include: wetlands, papyrus swamps, palm trees, dry woody savanna forests, rivers (Nile and Moroto), lakes (Kyoga and Kwana), and a national park (Murchison Falls National Park).