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BUSITEMA UNIVERSITY ARAPAI CAMPUS

INDUSTRIAL TRAINING REPORT

**ANIMAL PRODUCTION AND MANAGEMENT TRAINING UNDERTAKEN AT
NABUIN ZARDI, LORENGEDWAT, NABILATUK**

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DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT**

TRAINING DURATION: 28TH FEB– 31ST APRIL 2022



DECLARATION

I Oluka Kenneth Geoffrey declare that this report is my own original work and has never been submitted to any University or any Institution of higher learning for award of a certificate

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Date:.....*4th - May - 2022*.....

Director of Research- Nabuin ZARDI

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Date:.....*04/05/2022*.....

Field Supervisor-Nabuin ZARDI

Sign:.....*[Signature]*.....



Date:.....*4th May 2022*.....

APPROVAL

This report has been submitted with approval of my field supervisor(s) and University supervisor(s)

Sign.....

Date.....

Mr Ojuu David

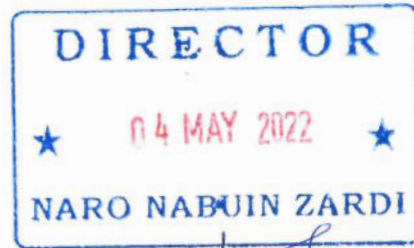
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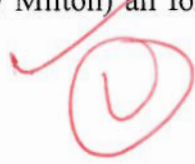
Director of Research

Nabuin ZARDI NARO



DEDICATION

I dedicate this report The God Almighty for His love and grace upon my life and also to, my friends, mam-Miss Rose Achen, NrsJosephineApolot O -my fiancé and the two great men in my life (Mr Oluka Kenneth and Lt Col AkabwayTonny Milton) all for being supportive to me.



ACKNOWLEDGEMENT

I would want to sincerely appreciate the Ojamuges' and my sister Martha Akello for their patience, love and financial support and above all supporting my academics then my friends for being just the best. Sincere thanks go to Josephine ApolotOluka for her love and support. A big thank you to the organizers of this Industrial training program, it was indeed an educating program. I would also like to thank the Scientists and Technicians at Nabuin ZARDI for their patience in answering our questions and also for giving necessary explanations when due and friends with whom I underwent this Industrial training program.

Also in a very special way I would like to appreciate Mr KayongoSamuel for his inspirational, parental and dedicative guidance and mentorship.

Thanks to Almighty God for making all this possible, I am very grateful.

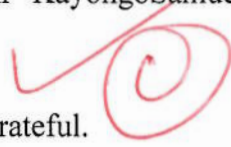


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LIST OF ABBREVIATIONS

NARO	National Agricultural Research Organization
Nab ZARDI	Nabuin Zonal Agricultural Research and Development Institute
ZARDI	Zonal Agricultural Research and Development Institute
DFI	District Farm Institute
NAR Act	National Agricultural Research Act
NGOs	Non-Governmental Organizations
PARI	Public Agricultural Research Institute
ARDC	Agricultural Research and Development Centre
DAP	Diploma in Animal Production and Management
FO	Farmers Organization
Spp Species	
TBDs	Tick Born Diseases
PPIs	Primary Product Inspectors
ECF	East Coast Fever
CBPP	Contagious Bovine Ploro Pneumonia
TB	Tuberculosis
D.O	Dissolved oxygen
g	grams

LIST OF FIGURES AND TABLES

Figure 1: Showing the organs affected by CBPP

Table 1: Table showing the data for tick profiling.

Table 2: Showing estimated calf weights taken for a period of 3 weeks in Nabuin ZARDI

Table 3: Showing the fish feeding ratios in correspondence to the body weights

Table 4: showing the different fish feed components and nutrient values they supply.

Table 5: showing the completely randomised block pasture design

ABSTRACT

This report is an elaboration of the entire Industrial training carried out at Nabuin ZARDI whereby I participated in Orientation, various experimental studies, Animal treatment, body condition scoring, weighing animals, Animal selection, restraint, tick profiling, age estimation, making the propolis tincture, packing and process of honey and biting a catcher box as activities in the animal department and the apiary, then pond management, fish feeding, soil sampling and the experimental design set up in crop, data collection soil science and aquaculture respectively. Therefore these activities have helped me in building my scientific reasoning, practical skill work and have helped me relate & apply my class work theory into practice so I now believe that my abilities, knowledge and skills gained in this practical and scientific session can make a great agricultural practitioner in any angel of the globe.

CHAPTER ONE

1.1 Background of Nabuin ZARDI

Nabuin ZARDI is one of the 16 public agricultural research stations under NARO established by NAR act (2005) located in Nabilatuk district.

It was established in early 1963 to serve the then greater Karamoja district with knowledge and extension services in agriculture. However, during 1979 unrest and subsequent years, the centre was vandalized and its entire infrastructure was destroyed completely and therefore ceased to be operational.

Following various reforms in agricultural research the NAR act 2005 re-established Nabuin as a semi-autonomous zonal agricultural research and development institute (ZARDI) catering the north eastern agro-ecological zone of Teso and Karamoja. After its re-establishment, Nabuin ZARDI started operating from Serere (former district farm institute) because of insecurity and absence of infrastructure at the Nabuin station in Lorengedwat, Nabilatuk

However, in 2010 Nabuin ZARDI opened a main office in Moroto municipality as a way to operate closer and develop infrastructure at Nabuin, and to date, Nabuin ZARDI has moved all its operations to Nabuin village station, Lorengedwat Sub County, Nabilatuk district.



1.2 Vision of Nabuin ZARDI

“A competitive society supported by a dynamic agricultural research innovations system” NARO’s Vision statement is anchored on government of Uganda’s aspirations to transform Uganda from peasantry to modern and prosperous society. NARO’s contribution is therefore targeted to build a climate resilient food secure and economically competitive society.

1.3 Mission

“To innovate for sustainable agricultural transformation” NARO’s mission focuses on developing and promoting technologies and innovations for agricultural transformations”