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**A REPORT OF INDUSTRIAL TRAINING CARRIED OUT AT NGETTA  
ZONAL AGRICULTURAL RESEARCH AND DEVELOPMENT  
INSTITUTE-NGETTA ZARDI P.O.BOX 52-LIRA(U).**

**FROM; 20<sup>th</sup> MAY- 26<sup>th</sup> JULY 2019**

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Forwarded  
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**ACADEMIC YEAR**

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**DEPARTMENT OF AGRIBUSINESS AND EXTENSION BUSITEMA UNIVERSITY  
ARAPAI CAMPUS IN PARTIAL FULFILLMENT FOR THE AWARD OF A  
NATIONAL DIPLOMA IN CROP PRODUCTION**

**DATE OF SUBMISSION: 9.9.2019**

**DECLARATION**

I Okori Richard reg no: BU/UP/2018/2515 declare that all the information written in this report was done through my effort and ability during my industrial training and it has never been presented to any university of higher learning for the award of national diploma in crop production.

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Sign ..... [Signature] ..... Date ..... 9.9.2019 .....

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Academic supervisor ..... SERKIANGA ROBERT .....

Sign ..... [Signature] ..... Date ..... 09/09/2019 .....

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**DEDICATION**

I dedicate this report to the family of Mr Ogwal Vitorino may the almighty Father continue to bless you all for the support you gave me all this year of my studies.

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## ACKNOWLEDGEMENT

I wish to extend my sincere thanks to Busitema University and especially the faculty of agriculture and animal sciences and department of agribusiness and extension for having granted me the chance to pursue this program.

I am also grateful to my supervisor Mr. Okello Horace for the technical guidance, correction and encouragement till the completion of this training, without which it would have not been what it is;

Sincere regards goes to my field supervisor at Ngetta ZARDI Mr. Okello Horace, for having dedicated his time to me during data collection, his professional guidance made this research a success.

Above all sincere thanks goes to the Almighty Father for having granted me life, health and wisdom, without which work could have never been a reality.

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## LIST OF ABBREVIATION

DFI	District Farm Institute
ZARDI	Zonal Agricultural Research and Development Institute
AEZS	Agro Ecological Zones
GDP	Gross Domestic Products
ISSD	Intergraded Seeds Sector Development
ARDC	Agricultural Research And Development Centre
NAADS	National Agricultural Research And Development Institute
CGA	Certificate In General Agriculture
I.E.	That Is To Say
BUAC	Busitema University Aeapai Campus
MR	Mister
MIS	Misses
CM	Centimeters
No-of-nods	Number of nodules
No-of-pods	Number of pods

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## ABSTRACT

This report gives the general introduction of the organization which I did my industrial training for a period of 2<sup>1</sup>/<sub>2</sub> month from 20<sup>th</sup> may -26 july 2019. The major activities were carried in the following sections adaptive research, agro forestry,, Horticulture, sustainable land management, Dairy and Goats Units.

This report bears four chapters, historical background, location, mission, objectives of the attachment in chapter one while chapter two talks about the detailed activities done during the training.

Impacts of the attachment, challenges encountered and skills gained is well explained in chapter three.

Then chapter four talks about recommendation and conclusion while appendices and references in the last part.

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## Chapter One

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### 1.0 INTRODUCTION

This chapter contains the location of Ngetta ZARDI, objectives of the attachment of Ngeta ZARDI, the purpose and the structure of the attachment.

#### 1.1 Location

Ngetta ZARDI consists of two stations. The first one is located 5km from Lira town along the Lira – Kitgum road and a satellite station on the out skirts of Kitgum town.

The main station has total land area of about 221hectares, while the satellite has a total land area of 70.8hectares. The main campus is  $1^{\circ}17'N$  of the equator and  $32^{\circ}56E$ . The elevation is 1180m above the sea level; the climate is tropical with mean annual temperature of  $30.43^{\circ}C$ . The lowest temperature is  $28.14^{\circ}C$  is usually in July and the highest is  $33.39$  in February. The rainfall is bimodal with the first rain in March – June and the second rain august – November, mean annual rainfall is 1305.3mm. Savannah grass land is the main vegetation with scattered trees and shrubs, the soils are sandy loam and topography is flat to gentle slope. The topography and land characteristic makes the institute suitable for mechanization.

#### 1.2 Background

Ngetta ZARDI formally known as DFI from 1964 -1998 was under the Agricultural Research and Development Center (ARDC). From 1999 -2006, it was a research Centre for cotton under Serere research station. In the 1950<sup>s</sup> the colonial government at the time gave it to the department of agriculture for the purpose of training farmers on better farming practices.

The institute carries on adaptive research trials on various crops such as beans, soya beans, citrus, mangoes, rice, cotton and animal sections like; fish, cattle, and goats.

#### 1.3 Industrial structure

The institute currently has 36 NARO staff members and the breakdown is as follows:

Nine scientists, eight technicians and nineteen support staff. In addition there are three staff under NAADS and three intergraded seeds sector development programmers (ISSD).