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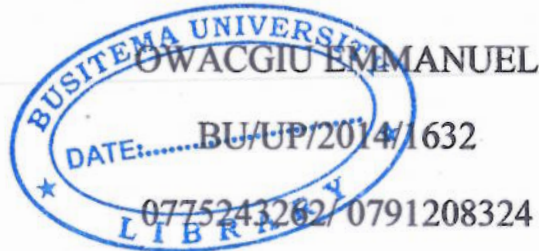
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**AN INDUSTRIAL TRAINING REPORT CARRIED OUT WITH NATIONAL  
ANIMAL GENETIC RESOURCE CENTRE AND DATA BANK (NAGRIC & DB)  
AT ASWA RANCH, ARUU COUNTY, PADER DISTRICT**

**FROM 18<sup>TH</sup> MAY 2015 TO 24<sup>TH</sup> JULY 2015**

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**COURSE NAME: DAP 1301 INDUSTRIAL TRAINING**

**TO BE SUBMITTED TO THE FACULTY OF ANIMAL SCIENCE AND  
AGRICULTURE, DEPARTMENT OF EXTENSION AGRICULTURE AND  
AGRIBUSINESS BUSITEMA UNIVERSITY, ARAPAI CAMPUS**

**P.O. BOX 203, SOROTI DISTRICT (UGANDA)**

**IN PARTIAL FULFILLMENT FOR THE AWARD OF NATIONAL DIPLOMA IN  
ANIMAL PRODUCTION AND MANAGEMENT**

**1<sup>ST</sup> AUGUST 2015**

### Declaration

I **Owacgiu Emmanuel**, declare that all the information and data in this report is the truth of what we have been during unless otherwise acknowledged

I therefore declare that the reality about this report is due to my independent struggle and has never been presented to any institution of learning before in full for any academic documentation for the award of national Diploma in Animal Production and Management

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## Dedication

I would like to sincerely dedicate this report to my parents Mr. Oryema Dicken and Mrs Margaret Oryema, all my brothers Okot Reagan, York Job Dougy, Akem Hallan, Ocira Denis and my dear one Angee Jennifer for all the support they rendered to me. Thanks



## Acknowledgement

I most gratefully thank my parents, and my sister Anena Susan, Atimango & Angee Philisina for supporting and guiding me both spiritually, morally and materially during the course of my industrial training at Aswa Ranch

I also acknowledge the manager and all the staffs or workers of Aswa ranch for allowing me carry out my I.T. and generous and tireless guidance and direction during I.T.

I would like to extent my sincere thanks to my supervisor from (NAGRIC & DB) for all they offer for us during the course of training

I also express genuine thanks to my fellow I.T. students. all my friends especially Otto George, Odongtoo Denis, Opio Innocent, and Omara Jenesis for backing me up. Be blessed

Lastly I acknowledge the all staffs of Busitema University Arapai Campus (BUAC) for backing me up with all the data theoretically and practically in the field of agriculture especially Sserwanga Robert, Oguli Francis, Akurut Immaculate, Akulu Susan, Dr. Oluge Christopher and my supervisor Turyasingura Geoffrey who managed to work with me during my I.T.

My fellow students of Busitema University, Arapai Campus Atto Fiona, Obin Kizito Kaguta,

Ojara Joseph, Okech Solomon and Moto Nelson not forgetting my best friend Adong Lucy,

Anena Cavin and Ocira Colline



### List of abbreviation

NAGRIC & DB.....	National Animal Genetic Research Centre and Data Bank
BUAC.....	Busitema University, Arapai Campus
LRA.....	Lord Resistant Army
ULI.....	Uganda Livestock Industry
AI.....	Artificial Insemination
CBPP.....	Contagious Bovine Pleura Pneumonia
LSD.....	Lumpy Skin Disease
ECF.....	East Coast Fever
FMD.....	Foot and Mouth Disease
LM.....	Limozene
BR.....	Brahman
MOET.....	Multiple Ovary Embryo Transfer



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## **Abstract**

The training was a field attachment for national diploma in animal production and management. The organisation of the attachment was national animal and genetic resource centre and data bank (NAGRIC & DB). The main objective of the training was to learn disease diagnosis and treatment, milking of animals, castration, how to inseminate animals artificially and silage and hay making for feeding animals during scarcity. The training was basically in nature and we participated in all the activities assigned to us using all the available tools at the Aswa ranch and completed all the tasks ourselves but under the supervision and guidance of technical staffs. Areas of our coverage were on disease diagnosis/ investigation and giving the recommended drugs, milking, spraying, deworming, castration, and artificial insemination (AI). However the study was challenging, tiresome and time consuming, it was still enriching and rewarding in the field of animal production and management. Recommendation is to engage all the students out for the practical training since animal's production and management is a practical subjects and it makes one acquire practical experience and confidence in dealing with animal.



## CHAPTER ONE: INTRODUCTION

### 1.1 Introduction to Aswa Ranch

The industrial training was carried out at Aswa ranch in Angagura sub – county, Aruu County, Pader District under NAGRIC & DB organization. The Aswa ranch is along the river Aswa, bur lobo parish and is located 35 km North West ward from Angagura sub –county Kitgum to Gulu main road (high way). It is one of the ranches that started in august 1967 by the Uganda livestock industry (ULI) under the government of Uganda with the aim of improving the animal production

The ranch started with a total land of 1032 square miles and large number of animals

The Aswa ranch was divided in to six sections of work which includes Okoba section I, Obokolot section ii, Kabiti section iii, Tima section iv, Obwol Odiya section v, Abera section vi, in 1986, the Aswa ranch started to collapse because of the insecurity with the lord resistant army (LRA) under the leadership of Joseph Kony and within two years the ULI collapsed

In 2014 since the collapsed of the ranch the organization called NAGRIC & BD came up to rehabilitate the Aswa ranch an it's still on establishment up to now. NAGRIC & BD organisation started with 1032 cows with the aim to improve the breeds of animals that is (i.e.) through artificial insemination (AI)

I came to know all these on the 18<sup>th</sup> May 2015 in order to introduce new students in the pace and get used to the environment. During orientation we were shown to various areas of coverage as in the work plan.

### 1.2 Introduction to NAGRIC & DB organization

The NAGRIC & DB organization was established under the animal breeding act 2001 to support implementation of the national animal breeding policy, NAGRIC & DB organization mandate is to take a leading role in establishing a comprehensive national animal breeding programme in Uganda. It does this through the establishment, development and promotion of the necessary breeding structure such as the breeding association and the breeding registry and the.