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**A REPORT ON SKILLS AND QUALIFICATIONS ATTAINED DURING
INDUSTRIAL TRAINING AT ASWA RANCH- NAGRC&DB.**

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Internship course number 1301

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Employer: National Animal Genetic Resources Center and Data Bank (NAGRC&DB) – Aswa Ranch, Ministry of Agriculture, Animal Industry and Fisheries.

Location: Aswa Ranch is located in Pader district, 28km from Angagura trading centre along Gulu_kitgum road.

(P.O BOX 183, ENTEBBE.)

**A REPORT SUBMITTED TO THE DEPARTMENT OF ANIMAL PRODUCTION AND
MANAGEMENT IN PARTIAL FULFILLMENT FOR THE AWARD OF THE
DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT OF BUSITEMA
UNIVERSITY.**

DECLARATION

I Bwanika Hassan declare that this work has been done me as result of the internship program I had at Aswa Ranch and it has not been submitted for the award of a diploma in any other University.

Student

Name Bwanika Hassan

Signature [Signature] Date 18/05/2022

Field supervisor

Name JOSHUA OGERWOT

Signature [Signature] Date 17th May - 2022



Academic supervisor

Name Dr. Opio Peter

Signature [Signature] Date 18/05/2022

Gee



DEDICATION

This work is dedicated to my parent Mrs.Nantale paulina and who have supported me not only academically but also in all aspects of life and are still supporting me up now when am at the university. I also dedicate it to my 5 siblings as a sign of encouragement for academic enhancement.

ACKNOWLEDGEMENT

First and foremost, I would like to thank the Almighty Allah who has protected me through the training period. Then, I extend my gratitude to the Human Resource-NAGRC&DB Livestock, Mr. Gregory and the entire organization of National Animal Genetic Resources and Data Bank in the Ministry of Agriculture, Animal Industry and Fisheries for accepting me to do my industrial training on one of their ranch.

Special thanks go to

- The senior farm manager, Dr Eriaku Peter Emmanuel.
- The assistant manager, Dr Otto Alfred Best.
- Animal husbandary officer (A.H.O) Mr. Kinene Alfred.
- Records officer Mr Mukisa Rogerious.

Your infinite assistance, guidance, generosity and tolerance during the training will not be forgotten.

May God bless and reward you all abundantly for the kindness and sympathy towards me during the training.

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LIST OF ABBREVIATIONS AND ACRONYMS

NAGRC&DB	National Animal Genetic Resource Centre and Data Bank.
A.H.O.	Animal Husbandary officer
Dr.	Doctor
ULI	Uganda livestock industry
ABC.	Animal Breeding Centre
ART	Assisted Reproductive Technology
BUAC	Busitema University Arapai Campus
A.I.	Artificial insemination
MGT.	Management

ABSTRACT.

Aswa ranch is a government ranch with two main enterprises i.e.; beef production and bee keeping. It is aimed at producing high quality and quantity beef and honey for the community.

The industrial training at Aswa ranch attempted to provide practical skills, field practice and experience to enhance the theoretical knowledge that is learnt in class. Therefore, my objectives were to acquaint myself with;

- The various animal husbandry practices and get hands on experience on animal welfare skills,
- The various breeds of beef cattle, at Aswa ranch
- Animal diseases, their signs, symptoms, and treatment,
- Pasture management and prevention
- practically some knowledge on artificial insemination, multiple ovulation, embryo transfer and in vitro fertilization among others.

The training revealed that some of the theory taught in class slightly differs from what is practically done in the field, for example, very few welfare practices are applied in the field. The obvious ones that are observed include, providing shelter, food, treating animals, allowing animals to rest as well as proper restraint of animals during carcass dressing among others but when it comes to moving animals in races, welfare is not followed at all because animals are beaten badly and sometimes they even bleed.

The training also revealed that production and management in any enterprise are two different broad activities which must move hand in hand for any ranch to get the expected profit or even more. Production and management require a lot of hard work, sacrifice, dedication and determination.

It is therefore recommended that more animal husbandry officers should be trained to guide and advise farmers who are facing hardships in production and management.

CHAPTER ONE

INTRODUCTION.

Aswa ranch is a government owned ranch under National Animal Genetic Resources and Data Bank in the Ministry of Agriculture, Animal Industry and Fisheries. This ranch mainly operates in animal sector specializing on two main enterprises; beef production and bee keeping. Iaguti

The ranch, with a total land size of 132 square miles (84,480 Acres) , traverses the three sub counties of Angagura , Atanga and in Aruu North Constituency, Pader District , Acholi sub-region Northern Uganda. It borders the districts of Gulu in the south , Lamwo in the North_ east kitgum in the North. River Aswa runs in west while river pagee partly flows in the northern part of the ranch.

1.1 BACKGROUND

Aswa ranch is situated in Pader district 28km from Angagura trading centre along Gulu _kitigumu Road, along the shores of river Aswa, Aruu County, Angagura sub county burobol parish , Akoba Village. It was established in the early 1960's under the management of Uganda livestock industries (ULI). It was the largest ranch in sub-Saharan Africa. The ranch bred beef cattle and bee honey for home consumption and export to the regional and international market.

During the wars of the 1970s and later the lord's Resistance Army insurgency, all the ranch cattle , infrastructure , machinery, and equipment were vandalized and looted . It was later transformed from ULI into a training section for the Army. In August 2014, ranch management was transferred from ULI to NAGRC, & DB

Aswa ranch is a branch of NAGRC&DB, a government organization under the Ministry of Agriculture, Animal Industry and Fisheries with its headquarters in Entebbe.

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The institution produces agricultural products e.g. Beef and pure breeds of different exotic cattle like, Sahiwal, Brown Swiss , Brahman , Boran Simmental which are sold to the community around and across the country.