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**INDUSTRIAL TRAINING REPORT ON LIVESTOCK PRODUCTION AND  
MANAGEMENT CARRIED OUT AT NATIONAL SEMI ARID RESOURCES RESEARCH  
INSTITUTE (NaSARRI) IN SERERE DISTRICT.**

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**THE REPORT SUBMITTED TO THE DEPARTMENT OF AGRIBUSINESS AND  
EXTENSION OF BUSITEMA UNIVERSITY ARAPAI CAMPUS IN PARTIAL  
FULFILMENT FOR THE AWARD OF A DIPLOMA IN ANIMAL PRODUCTION AND  
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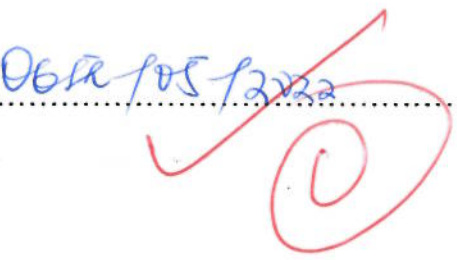


**DECLARATION**

I Ekalam David to the best of my knowledge declare that this field work report has been based out of my own effort and it has never been presented to any academic institution for any award by any body

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Sign..... 

Date..... 

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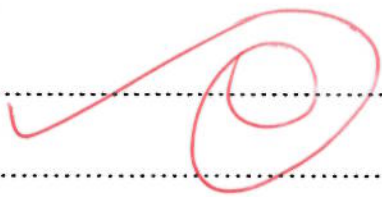
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## **DEDICATION**

I would love to dedicate this report to my beloved parents Mr. Opolot Patrick, Miss Asio Maliamu and my beloved brother Omunet Pius not forgetting my supervisor who have been the pillars to my academics standards through advices and financial support as far as this written field report is concerned

May the almighty God ISA Masiya bless you abundantly?

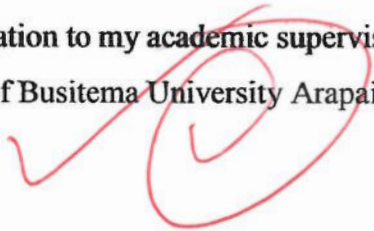


## **ACKNOWLEDGEMENT**

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I also thank my parents for the financial support offered and my field supervisor with the technical staff for their guidance mostly in the practical aspect.

I also convey my sincere appreciation to my academic supervisor and lastly not forgetting teaching and non-teaching staff of Busitema University Arapai Campus.



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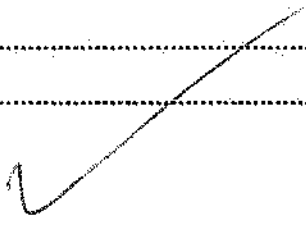
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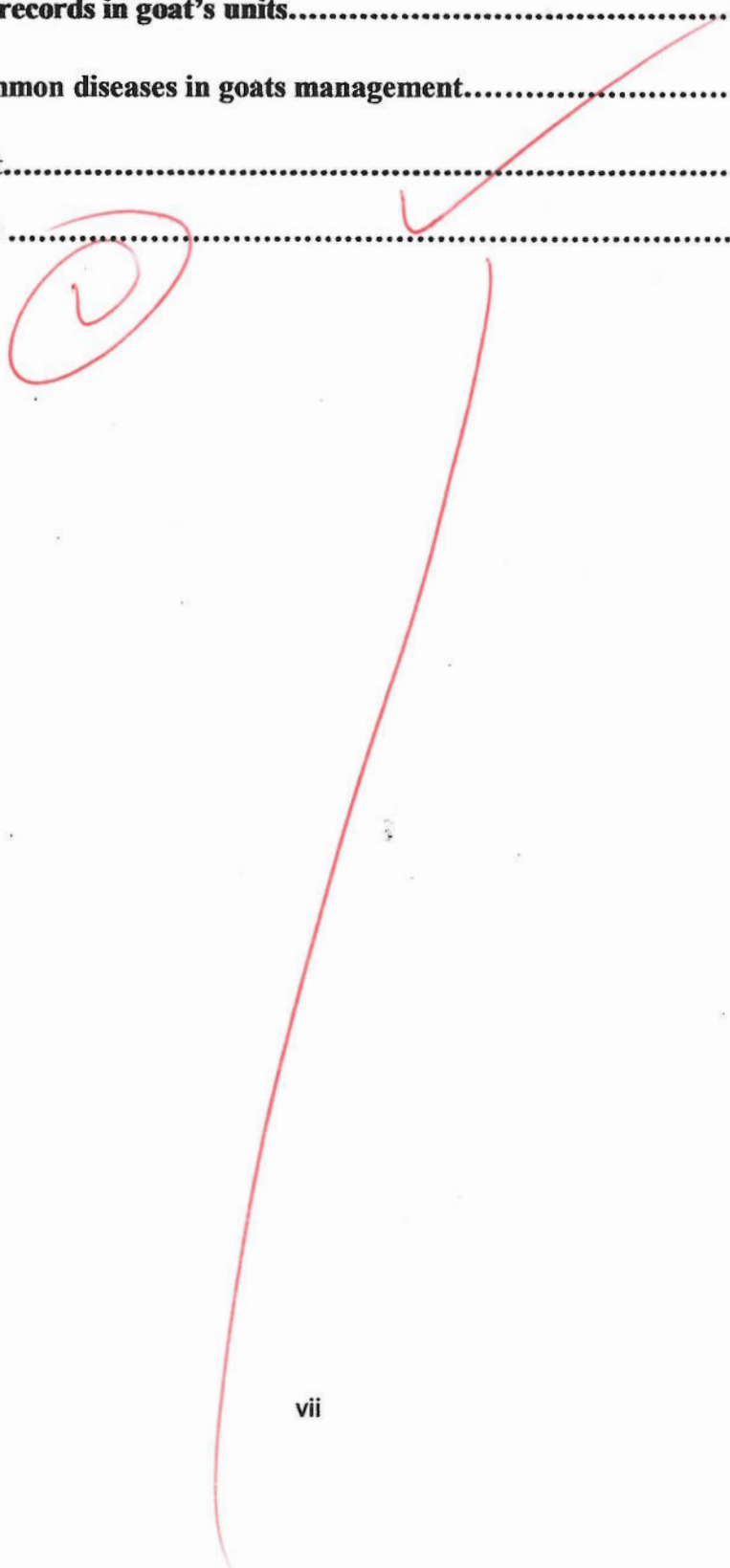
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## LIST OF ABBREVIATION

|         |   |
|---------|---|
| I.M     | Intramuscular                                   |
| I.V     | Intravenous                                     |
| F.A     | Female Adult                                    |
| F.W     | Female wieners                                  |
| M.W     | Male wieners                                    |
| MLS     | Mills   |
| NARO    | National Agriculture Research Organization      |
| NaSARRI | National Semi –arid Resource Research institute |
| NaLIRRI | National Livestock Resource Research Institute  |
| OTC     | Oxytetracycline                                 |
| PARI    | Public Agriculture Research Institute           |
| SC      | Sahiwal Cross                                   |

## ABSTRACT

The training was conducted at National Semi-Arid Resources Research Institute, in Serere district. This was aimed at equipping the student with knowledge, skills and hands on experience on various activities conducted at the institute farm.

NaSARRI is a PARI mandated to undertake research for semi-arid production system in areas of seed research production and product management together with animal traction, pasture and range management. It is located 27km south west of Soroti city in Igola parish and stands on over 1700 acres of land.

During the training, several activities were conducted both theoretically and practically. Some of them were conducted daily, weekly, and monthly and they include the following; disease diagnosis and treatment, weighing of animals, spraying, castration, pregnancy diagnosis, recording, census, health inspection among others.

The training led to the attainment of various skills including skills in weighing and weight estimation, disease diagnosis and treatment, pregnancy diagnosis, recording and record keeping, proper acaricides mixing and spraying among others.

However, various challenges were faced during the training that includes, inadequate pastures for the animals, faulty fences, over milking by the herdsmen, among others.

It was of great impact for me to carry out my training at NaSARRI because of the skills and experience I gained from various sections and activities conducted

To overcome the above challenges I would recommend the following to be put in place pasture conservation to be put in place to ensure pastures are available to animals even during the dry season, stopping of over milking by the herdsmen among others

## **CHAPTER ONE**

### **1.0 Introduction**

The National Semi-Arid Resource Research Institute (NaSARRI) formally called SAARI is one of the 17 public agricultural research institutes under National Agricultural Research Organization (NARO). NARO is responsible for conducting and coordinating agricultural of crops, livestock, fishing, forestry and natural resources and also to ensure dissemination of results.

It falls under the category of National Agricultural Research Institutes (NARIS) which carries and manages agricultural research of strategic nature and national importance. NaSARRI conducts applied and adaptive research in agriculture in the experimental station for ox-cultivation technology that was designed to support and uplift cotton production in Teso and for training the staff from the department of agriculture by then. NaSARRI has made a fundamental and considerable progress since its creation but all these progress could not have happened if it was not because of support from the government of Uganda and several donors.

### **1.1 Background of NaSARRI**

Agricultural research at NaSARRI was started in the year 1920 by the colonial government. It was initially called Serere Agricultural and Animal production Research Institute (SAARI) for semi-arid tropics on crops then changed to NaSARRI with the support from the government of Uganda and several donors especially world bank which provides the major funding.

### **1.2 Location of NaSARRI.**

The National Semi-Arid Resources Research Institute (NaSARRI) P.O, BOX 56 Soroti Uganda or email [director@NaSARRI.org.ug/www.nasarri.org.ug](mailto:director@NaSARRI.org.ug/www.nasarri.org.ug), is located 27km South West of Soroti City, Serere district, Olio Sub-county, Okulonyo Parish Igola village.

### **1.3 The vision of NaSARRI.**

To be a market leader in generation and dissemination of appropriate crop technologies for sustainable development in semi-arid regions of Uganda