



**INDUSTRIAL TRAINING REPORT ON LIVESTOCK PRODUCTION AND
MANAGEMENT**

**CARRIED OUT AT NATIONAL SEMI ARID RESOURCES RESEARCH INSTITUTE
(NaSARRI)**

IN SERERE DISTRICT.

COURSE CODE ; DAP 1301

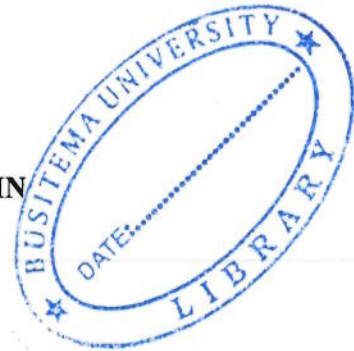
COURSE DURATION; 28th/02-22/04/2022

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**THIS REPORT IS TO BE SUBMITTED TO FACULTY OF AGRICULTURE AND
ANIMAL SCIENCES**

**, THE DEPARTMENT OF AGRIBUSINESS AND EXTENSION BUSITEMA
UNIVERSITY ARAPAI**

**CAMPUS (B.U.A.C) FOR PARTIAL FULLFILMENT FOR THE AWARD OF
DIPLOMA IN ANIMAL PRODUCTION AND MANAGEMENT.**

MAY 2022.

DECLARATION

I **OBWOLO JAMES BENJAMIN** do declare that this internship report was solely experienced work, documented and compiled by me through my participation and hard work which has never been submitted to any institute, college or University for any certification award.

Compiled by; **OBWOLO JAMES BENJAMIN**

Date..... 05/10/2022

Sign..... 



DEDICATION

I wholly dedicate this internship report to my loving parents Mr. Obwolo James and Ms. Obwolo Jenifer for the unconditional support rendered to me during my industrial training, not forgetting my beloved sisters, friends and my field supervisors Mr. Egadu George William and Mr. Elapar Sadock for their mentorship and extensive knowledge I acquired during my industrial training.



ACKNOWLEDGEMENT

I highly uplift my Lord God Almighty for his loving kindness ,provision and protection he gave me and my fellow friends in all round aspects of life and training enabling me to peacefully complete my industrial training.

Furthermore, I extensively thank field supervisors Mr. Egadu George William and Mr. Elapar Sadock for being my mentors through impartation of knowledge, skills which widened my scope of understanding during my industrial training.



APPROVAL

This is to certify that this internship report was fervently compiled and documented through devotion and sacrifice, eligible to be submitted to Busitema University Arapai Campus, Faculty of Agriculture and Animal Sciences as required for partial fulfillment of Diploma in animal Production and Management.

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LIST OF ABBREVIATION

NaSARRI – National Semi Arid Resources Research Institute

NARO – National Agricultural Research Organization

BUAC – Busitema University Arapai Campus

OTC – Oxytetracycline

I.V – Intra venous

I.M - Intra muscular

S.C – Subcutaneous

F.A -Female Adult

M.W – Male weaner

F.W – Female weaner

M.K – Male Kid

F.C – Female calf

M.C – Male calf

T.T- Total

XX – Anormous

G.I.T- Gastrointestinal Tract

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Table 7 showing various Farm Structures and their uses



ABSTRACT

This industrial training report was written and carried out at NaSARRI (National Semi Arid Resources Research Institute) in Serere District and the training lasted for 8 weeks as it started on 28th/02- 22nd/04/2022.

I was posted to train in Livestock unit with my fellow colleagues consisting of 8 male students and 1 female student. And the livestock unit consisted of 2 Sections i.e. Goat section having three breeds namely ;Boer ,Teso local goats and Mubende goats, while cattle section had Dairy and Beef herds comprising of breeds such as sahiwal, zebu, Ankole and Jersey cattle.

The allocation for training was one month per section after which you move to the next section, and the routine practices included; daily activities like cleaning the Goat pen, monitoring, census, health inspection, record keeping, accompanied with weekly activity – spraying and monthly – Weighing. Other activities included; deworming, castration, surgical operation, hoof trimming, aging, pregnancy Diagnosis, prophylaxis treatment, training draft animals, temperature check, Dehorning, fencing and all these activities were carried out under close supervision, guidance and mentorship of the field Supervisor Mr. Egadu George William and his assistant Elapar Sadock.

And during my time in goat section I observed that Boer goats gained more weight and suffered oftenly from diseases such as pneumonia, diahorrea and mange skin disease while in Teso local and Mubende goats lost more weight and suffered less from diseases. The Boer goats gave birth to 06 kids while both Mubende and Teso local goats gave birth to 10 kids (Boer -51, Teso local – 38, Mubende – 33) rising the total to 122 goats.

While in cattle section I observed that cattle lost weight, reduction in milk and meat production, increased spread of diseases ~~resulting into~~ mortality cases of 03 calves and one Ankole cow. The major contributors to this were shortage of pastures, diseases and other challenges such as weak fences, lack of animal dispensary. With a census of 55 dairy and 58 beef cattle giving a total of 113 animals.

Therefore I recommend that the farm should preserve hay and silage to be feed to animals in times of scarcity, construct an animal dispensary clinic for easy supervision of sick animals.

CHAPTER ONE

INTRODUCTION

NaSARRI is a short form of National Semi Arid Resources Research Institute and is one of the sixteen public agricultural research institutes(PARIS) established by the National Agricultural Research Organization (NARO) under the parliamentary act of 2005 (www.nasarri.org.ug)

It follows under the category of the National Agricultural Research Institutes (NARIS) which carry out and manage the agricultural research of strategic nature and national importance.

NaSARRI also conducts applied and adoptive research in Agricultural experimental station for ox cultivation technology that was designed to support and uplift cotton programs in Teso and for training staff from the department by then

1.0 BACKGROUND OF NaSARRI

NaSARRI was started in 1920 by colonial government. It was then called Serere Agricultural and Animal Research Institute (SAARI) after which it was to carry out research of semi Arid tropics and hence the name NaSARRI with the government of Uganda and several donors such as the World Bank.

1.1 LOCATION OF NaSARRI

It's located on the Eastern agro ecological zone in Serere District which was previously under Soroti District of 139° north, latitude 33°and 27°east ,27 km Southwest of Soroti City in Serere town council, Okulonyo Parish, Igola village.

It's at an altitude of 3078feet above sea level with Sandy loamy soils and annual rainfall of 1972mm and bimodal distribution type.

1.3 VISION OF NaSARRI

To be a market leader and dissemination of appropriate technologies for sustainable development in Semi-Arid areas.

1.4 NaSARRI's MISSION

To generate, package and disseminate appropriate agricultural technologies and information of improved and sustained integrated crop, livestock and Natural Resource Management in the semi-arid areas in partnership with other stake holders.