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**A COMPREHENSIVE REPORT ON INTERNSHIP TRAINING CONDUCTED AT THE
NATIONAL SEMI-ARID RESOURCES RESEARCH INSTITUTE (NaSARRI)
SERERE DISTRICT**

FROM: Monday 28th FEB TO 7th MAY 2022



COMPILED

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TO BE SUBMITTED TO THE DEPARTMENT OF AGRIBUSINES AND EXTENSION,

BUSITEMA UNIVERSITY, ARAPAI CAMPUS.

DATE OF SUBMISSION: 18th May, 2022

Declaration.

I APINY ESTHER MAJERI, declare that the work enclosed in this report is personally mine, and thus has never been submitted at any institution of learning. Therefore, i accept that the report has been submitted personally after being approved by my field, and academic supervisors to be used for the purpose of awards of a bachelor degree in agri-business.

Signature: 

Date: 17th May, 2022

APPROVAL

This is to confirm that the work presented herein was done under our supervision and it is an original piece from the student.

Approved by;

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Sign: [Signature]
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2. Intern coordinator, NaSARRI

Name: Abelino [Signature]
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3. Director, NaSARRI

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4. Academic supervisor, BUAC

Name:
Sign:
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Dedication;

I dedicate this Report to my Beloved Parents Mr. ARIAPA DAUDI and Ms. NAKONG MARITA not forgetting my Sister Jane and Isaac my only brother who encouraged, Supported and uplifted me not only financially but also spiritually.

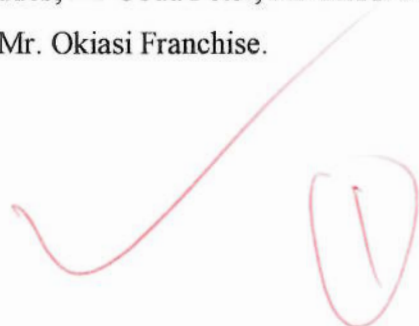
Furthermore, I dedicate this report to My Field supervisor Mr. OKIRING who advised and gave me courage.



Acknowledgments;

Special thanks goes to the Almighty Father for his peace, love and protection upon us all, furthermore, I extend my sincere gratitude to the Director of the Institute- NaSARRI for him accepting me to conduct my Industrial Training successfully at the Institute. , not forgetting the Auditor- NaSARRI, Mr. Okiring Joseph- the Farm Manager- NaSARRI, Mr. Mayanja Ibrahim.

On the other hand, gratitude further goes to The different specialists, Field Technicians and the different workers of NaSARRI, among others includes; Mr Obua Peter, Mr Okudi Pius, Ms Alepo Betty, Madam Sofia, Mr. Okwang Dodah, Mr. Okiasi Franchise.

A handwritten signature in red ink, consisting of a long, sweeping curve followed by a circular flourish.

List of Abbreviations.

NaSARRI	National Semi-arid Resources Research Institute.
NARO	National Agricultural Research Organization.
E.g.	For example
IT.	Industrial Training
Cm	Centimeters.
Wk	Week.
PH	Potential Hydrogen.
NAROSORG	Naro sorghum.
SESIM	Serere simsim
BUAC	Busitema University Arapai Campus
BAB	Bachelor of Agribusiness.
SEPI	Serere pigeon pea
SERENUT	Serere groundnut
SESO	Serere sorghum



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~~No fake journal~~

Abstract:

This Internship was conducted for a period of 10 week, starting 28th Feb 2022 to 7th of May 2022, at National Semi-arid Resources Research Institutes, located in the Eastern agro-ecological Zone in Serere district, 27km south of Soroti city.

NaSARRI is one of the 17 Public Research Institutes under the National Agricultural Research Organization in Uganda.

Industrial Training is therefore an important mechanism which is always conducted to expose learners to Skill acquisitions. Implying that, they would be equipped with among others; the communication skills, administrative skills and operational skills. Its objectives are to enables learners acquire Practical knowledge, skills, methodology, monitoring, evaluation, among others in the field of Agricultural operation and other related fields.

Therefore, as an Agribusiness student, the Training was conducted under Seven section ie Farm management, Oil Crop Program, Socio economic, Dryland Cereal, Dryland Legumes, Cotton, and Livestock production, of which some were subdivided in to Subsections e.g. Farm management (Agroforestry, Animals traction, Meteorology studies, Principles of Horticulture, Pasture Establishment and Management).

However, the Orientation was conducted on Monday the Seventh day of March 2022 from 8:25am to 12:48pm, and was led by Mr. Obua Peter (The Research officer in charge of Crop Agronomy), alongside Mr. Okwang Dodah. This was attended together with few students from Nagongera Campus.

Thus as the Training commence, various activities were physically, experimentally and Practically performed , Casein point; Pest and diseases identification on pasture land ,Grafting and Budding in mangoes and Oranges respectively, Emasculation in Ground nut, Data entrance, coding and analysis under Socio-economics, Nursery bed Establishment under Horticulture, Observing (selecting) of good animals for traction under animals traction, Seed laying and planting under Cereal and legumes, Seed counting and Bulking under Groundnuts, Telling wind direction under Meteorology,..

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CHAPTER ONE

1.0.0: INTRODUCTION (BACKGROUND) OF NaSARRI.

NaSARRI in full means National Semi-arid Resource Research Institute. It is one of the 17 Public agricultural Research Institutes under National Agricultural Research Organization (NARO) - which is responsible for conducting and coordinating agricultural Research in Uganda.

It was established in the early 1922 during the British regime and was initially established as Experimental station majorly for Ox- Cultivation technologies, purposely to support cotton production in Teso sub regions. As time goes on it was re-named as Serere Agricultural and Animals production Research Institutes (SAARI) in 1992 ., Thereafter in 2005, the institute was re-named as National Semi-arid Resource Research Institutes(NaSARRI).

1.0: NaSARRI Vision.

The institutional vision is to be a market leader in generation and disseminating of appropriate agricultural technologies for sustainable development in Semi-arid areas.

1.1: NaSARRI Mission.

Their mission is to generate, Package, and disseminates appropriately improved Agricultural products, as well as production technologies, and information for improved and sustained integrated crops and Natural Resource management in partnership with other Stakeholders.

1.2: The NaSARRI Mandate.

Their mandate is to undertake research on crop production for Semi-arid system. The operation areas cover the cattle corridor, and the five other agro-ecological Zones, comprising of the Eastern savanna (Teso region), Karamoja Dry land, Lango, Acholi, and the West Nile sub region.

1.3: Objectives of the Institute (NaSARRI)

Basically among others, the institution has the following attainable Objectives;