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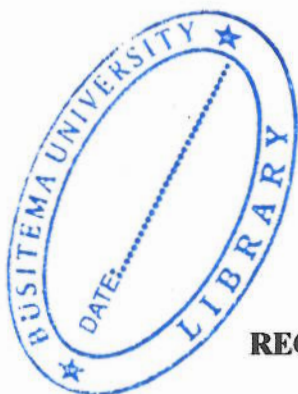
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**INDUSTRIAL TRAINING REPORT CARRIED OUT AT NATIONAL SEMI ARID
RESOURCES RESEARCH INSTITUTE (NaSARRI-SERERE)**

FROM 28th FEBURARY 2022 TO 22nd APRIL 2022



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MANAGEMENT OF BUSITEMA UNIVERSITY**

MAY, 2022

DECLARATION

I **KAALA LUCKY** do declare that the information in this report is original work out of my own effort. It has not been duplicated from any source and has never been presented to any institution or university for academic award.

Sign. 

Date. ~~16/05~~ 16/05/2022

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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Date:



DEDICATION

I would like to dedicate this report to my parents Mr. Wangalwa Michael and Awinjo Justine for their tremendous efforts. God bless you all.

ACKNOWLEDGEMENT

With sincere appreciation, I would like to thank the Almighty God for granting gift of life, knowledge, wisdom and understanding that enabled me to carry out the industrial training.

I acknowledge with great pleasure the management of NaSARRI for offering me a training place. Great thanks go to the following field supervisors; Mr. Okiring Joseph and field assistant Mr. Ariko John Bosco and many others for their effort, support and guidance towards my training and writing of the report.

Sincere thanks goes to the lecturers that were always committed in teaching us in class thus giving me the knowledge that I used during the industrial training.

Also my friends who assisted me during the practice are greatly appreciated and finally I would like to appreciate my dear effort throughout the training.

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LIST OF ABBREVIATIONS

| | | |
|---------|---|--|
| NaSARRI | : | National Semi-Arid Resource Research Institute |
| ICRISAT | : | International Crop Research Institute for Semi- Arid Tropics |
| NARO | : | National Agricultural Research Organization |
| MAAIF | : | Ministry of Agriculture Animal Industries and Fisheries |
| SAARI | : | Serere Agricultural and Animal Production Research Institute |
| CDO | : | Cotton Development Organization |
| DRC | : | Direct Resource Coordination |
| HRO | : | Human Resource Officer |
| E.G | : | For example |
| IE | : | That is to say |

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FIGURE 1: THE ORGANIZATION STRUCTURE OF NaSARRI

ABSTRACT

The industrial training (IT) was conducted for a period of 10 weeks at National Semi-Arid Resources Research Institute (NaSARRI) from 28th February 2022 to 6th May 2022. This is located in the Eastern Agro-ecological zone in Serere District, 27 km south of Soroti City. NaSARRI is one of the 16 Public Agricultural Research Institutes (PARIs) of National Agricultural Research Organization (NARO) established by the National Agricultural Act 2005. The objective of IT is to enable students acquire practical knowledge, skills, on Carry out routine practices in agricultural production, processing and related activities, Write a report on industrial attachment experiences, Collect data in the field of attachment, Analyze and interpret data collected. This training was carried out in different programs in a rotation i.e. farm management, dry land cereals program, dry land legumes program, fiber crop program and oil crop program.

During the training, various activities were carried out which included; Disease identification (Grain mold, Anthracnose) in sorghum, pest identification in sorghum (sorghum shoot fly, stalk borer) post-harvest data collection on 100 seed count of sorghum and greengram, bulking of green gram, pest and disease identification, selfing, emasculation and crossing of flowers in different crops such as groundnuts, cotton, cereals.

However, various skills were gained; and these include breeding activities such as scouting for flowers that are ready for emasculation, emasculation activity, cross pollinating or dusting pollen on the emasculated flowers, field marking, pest identification from different crops, I gained a skill on how to differentiate diseases and data collection and some few challenges were faced like; Time allocation for each section was not enough because there was a lot to be covered under each program which led to most activities to remain uncovered as they meant to done, limited tools, faulty equipment in different sections attended to.

Conclusively, I would like to conclude by saying that during the industrial training attachment I learnt a lot of skills from different areas and it has positively contributed to my future career plan and therefore I recommend the research institute to increase the time allocated for each section so that work that is meant to be covered in a particular section will fully be done as well as providing more functional tools.

CHAPTER ONE:

INTRODUCTION AND BACKGROUND

1.1 Introduction

This industrial training was conducted for a period of 10 Weeks at National Semi-Arid Resources Research institute (NaSARRI) SERERE from 28th February 2022 to May 6th 2022. Industrial training is one of the modules incorporated in the curriculum to expose students to hands on skills in relationship to the class theory. Its main objectives are to enable students acquire practical knowledge, skills on Carrying out routine practices in agricultural production, processing and related activities, write a report on industrial attachment experiences, Collect data in the field of attachment, Analyze and interpret data collected. The training was carried out in the different programs in a rotation method.

1.2 Orientation

During this session, we were introduced to the rules and regulation at the institute, background of NaSARRI including the mission, vision and mandate, research programs undertaken at the institute, code of conduct for the interneers.

1.3 Background of NaSARRI

The National Semi-Arid Resources Research institute (NaSARRI) is one of the 16 Public Agricultural Research institutes (PARIs) of National Agricultural Research Organization (NARO) established by National Research Act 2005. The National Semi-Arid Resources Research institute (NaSARRI) started its operation way back in 1920. It was initially established as an experimental station for ox-cultivation which were charged to support cotton production in Teso. It as well served as a unit for training staff of Department of Agriculture.

It pioneered as research study on cotton, livestock and other animal attraction technologies to emphasize quality output under supervision of the Ministry of Agriculture. In 1992, NaSARRI was called Serere Agricultural and Animal Production Research Institute (SAARI).