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**A REPORT FOR INTERNSHIP CARRIED OUT AT MUKONO
ZONAL AGRICULTURAL RESEARCH AND
DEVELOPMENT INSTITUTE (MUZARDI).**

FROM 28TH MARCH-06TH MAY 2022

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**BUSITEMA UNIVERSITY FACULTY OF AGRICULTURE
AND ANIMAL SCIENCE, (ARAPAI CAMPUS).**

**THE REPORT IS SUBMITTED TO THE DEPARTMENT OF
AGRIBUSINESS AND EXTENSION FOR PARTIAL
FULFILMENT OF THE AWARD OF A DIPLOMA IN CROP
PRODUCTION AND MANAGEMENT**

Date of submission ?
o

DECLARATION

0.5

I declare that this report was out of my devoted work but not from somebody else and has not yet been awarded academic credit from any university or institution.

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NAME: Dr.

Sign..... 

Date..... 

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DEDICATION

I dedicate this report work to my almighty God for the support given during the time of conducting industrial training. Secondly, I dedicate it to my academic supervisor Dr. ASHA NALUNGA and my field supervisor Madam ROBINAH, and to all the university lecturers for the great advice they gave and not forgetting all the staff of Mukono zonal agricultural research and development institute. Last, dedication goes to my parents, my father, my mother and my brothers for supporting me financially and materially and all my friends who have been with me throughout the entire period of industrial training, giving me all kinder support and advice for the success of my education.

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LIST OF ABBREVIATIONS

NARO – National Agricultural Research Organization

MUZARDI – Mukono Zonal Agricultural Research And Development Institute

NARDC- National Agricultural Research And Development Center

ZARDI – Zonal Agriculture Research And Development Institute

NAADS- National agricultural advisory service

BUAC- Busitema University Faculty of Agriculture and Animal Science

DCP- Diploma in Crop Production and Management

IE – That is to say

DR – Doctor

MR - mister

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ABSTRACT

This report contains and describes the activities implemented, skills and qualifications gained, challenges faced during the industrial training, conclusion of the report and recommendations derived from the challenges faced at Mukono zonal agriculture research and development institute. The objective of this industrial training is to make students benefit from the skills and knowledge gained from the fields, apply the knowledge they get from the classroom in the field and build self-confidence. During internship I was attached to all departments of crop production and animal production, this was followed by orientation, then implemented the activities that include, crop and natural resources that include, horticultural crops, annual crops (beans, maize, cassava, etc), perennial crops (coffee, banana and cocoa), agroforestry (nursery and demos/woodlots), post-harvest handling and irrigation system, livestock and aquaculture (fish, poultry, piggery, cattle), technology promotion(outreach). These activities have made me to gain a lot of skills and knowledge based on agronomic practices, management practices, data collection, pest and disease incidence, implemented new technologies in urban farming and it's protection, fish farming, fruit propagation, agroforestry management, post-harvest handling and irrigation systems, livestock management and fish farming, how to conduct outreach for technology promotion. I also faced some challenges stated in chapter four. In conclusion all the activities were implemented and industrial training was carried out successfully. I was able to gain a lot from it. I was in position of getting practical skills and knowledge in line with my career and relating with people in the field. Much as all were successfully done, there were also some little challenges which hindered the smooth running of the training.

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1.0 CHAPTER ONE.

1.1 Introduction.

This report describes the activities implemented, skills and knowledge gained, challenges faced during the internship, conclusion of the report and recommendations derived from the challenges faced at MUZARDI during the time of industrial training. Mukono zonal agriculture research and development institute (MUZARDI) is one of the nine public zonal agriculture research and development institutes (ZARDIs) which were established through the NARO act of 2005.

The institute is responsible for carrying out applied and adoptive research in the lake Victoria crescent agro ecological zone. It covers 21 districts of central Uganda which include Mubende, Mityana, Luwero, Kyankwazi, Mukono, Kayunga, Nakasongola, Nakaseke, Masaka, Kalangala, Buikwe, Kalungu, Lwengo, Mpigi, Bukomasimbi, Gomba, Butambala, Buvuma, Wakiso, and Kiboga. It had successful transition from DFI to ARDC and is now semiautonomous zonal institute.

1.2 Objectives of the industrial training.

The objective of the internship is to;

- ❖ Make students benefit from the skills from the fields
- ❖ Make students apply classroom knowledge in the field.
- ❖ Build confident in the students

1.3 Background of Muzardi

MUZARDI is a research institute under NARO. It was started in 1962 as a rural training center then it was named a district farm institute (DFI) in 2001 head by director national agricultural research organization. Its aim was to train agricultural practices within the district. By 2007, it was changed to zonal agriculture research and development institute (ZARDI)

1.3.1 Location and area

MUZARDI station is located in Mukono district 20km east of Kampala city centre and 2km off Kampala Jinja high way in Ntawo village. The institute occupies 41 acres of land of which 60% is arable land.