

**PERFORMANCE CHARACTERISTICS OF BROILER CHICKEN, AFRICAN
DWARF GOAT AND FISH FED INTERCHANGED WASTE IN AN
INTEGRATE SYSTEM**

BY:

ADEPOJU TAOFECK TIMILEYIN

HND/23/AGT/FT/0063

OLADOKE CHRISTIANAH ABIDEMI

HND/23/AGT/FT/0096

MUSBAU AZEEZAT OPEYEMI

HND/23/AGT/FT/0108

ADEBAYO SOLIU OLUWADAMILARE

HND/23/AGT/FT/0126

OLADIPUPO VICTOR OLAMILEKAN

HND/23/AGT/FT/0146

**BEING A RESEARCH PROJECT SUBMITTED TO DEPARTMENT
OF AGRICULTURAL TECHNOLOGY, INSTITUTE OF APPLIED
SCIENCE, KWARA STATE POLYTECHNIC, ILORIN**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENT OF AWARD OF
HIGHER NATIONAL DIPLOMA IN ANIMAL PRODUCTION**

SUPERVISED BY

MR LAWAL, W.S

SEPTEMBER 2025

**PERFORMANCE CHARACTERISTICS OF BROILER CHICKEN, AFRICAN
DWARF GOAT AND FISH FED INTERCHANGED WASTE IN AN
INTEGRATE SYSTEM**

BY:

OLADIPUPO VICTOR OLAMILEKAN

HND/23/AGT/FT/0146

**BEING A RESEARCH PROJECT SUBMITTED TO DEPARTMENT
OF AGRICULTURAL TECHNOLOGY, INSTITUTE OF APPLIED
SCIENCE, KWARA STATE POLYTECHNIC, ILORIN**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENT OF AWARD OF
HIGHER NATIONAL DIPLOMA IN ANIMAL PRODUCTION**

SUPERVISED BY

MR LAWAL, W.S

SEPTEMBER 2025

**PERFORMANCE CHARACTERISTICS OF BROILER CHICKEN, AFRICAN
DWARF GOAT AND FISH FED INTERCHANGED WASTE IN AN
INTEGRATE SYSTEM**

BY:

OLADOKE CHRISTIANAH ABIDEMI

HND/23/AGT/FT/0096

**BEING A RESEARCH PROJECT SUBMITTED TO DEPARTMENT
OF AGRICULTURAL TECHNOLOGY, INSTITUTE OF APPLIED
SCIENCE, KWARA STATE POLYTECHNIC, ILORIN**

**IN PARTIAL FULFILMENT FOR THE REQUIREMNT OF AWARD OF
HIGHER NATIONAL DIPLOMA IN ANIMAL PORODUCTION**

SUPERVISED BY

MR LAWAL, W.S

SEPTEMBER 2025

**PERFORMANCE CHARACTERISTICS OF BROILER CHICKEN, AFRICAN
DWARF GOAT AND FISH FED INTERCHANGED WASTE IN AN
INTEGRATE SYSTEM**

BY:

ADEPOJU TAOFEEK TIMILEYIN

HND/23/AGT/FT/0063

**BEING A RESEARCH PROJECT SUBMITTED TO DEPARTMENT
OF AGRICULTURAL TECHNOLOGY, INSTITUTE OF APPLIED
SCIENCE, KWARA STATE POLYTECHNIC, ILORIN**

**IN PARTIAL FULFILMENT FOR THE REQUIREMNT OF AWARD OF
HIGHER NATIONAL DIPLOMA IN ANIMAL PORODUCTION**

SUPERVISED BY

MR LAWAL, W.S

SEPTEMBER 2025

**PERFORMANCE CHARACTERISTICS OF BROILER CHICKEN, AFRICAN
DWARF GOAT AND FISH FED INTERCHANGED WASTE IN AN
INTEGRATE SYSTEM**

BY:

MUSBAU AZEEZAT OPEYEMI

HND/23/AGT/FT/0108

**BEING A RESEARCH PROJECT SUBMITTED TO DEPARTMENT
OF AGRICULTURAL TECHNOLOGY, INSTITUTE OF APPLIED
SCIENCE, KWARA STATE POLYTECHNIC, ILORIN**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENT OF AWARD OF
HIGHER NATIONAL DIPLOMA IN ANIMAL PRODUCTION**

SUPERVISED BY

MR LAWAL, W.S

SEPTEMBER 2025

**PERFORMANCE CHARACTERISTICS OF BROILER CHICKEN, AFRICAN
DWARF GOAT AND FISH FED INTERCHANGED WASTE IN AN
INTEGRATE SYSTEM**

BY:

ADEBAYO SOLIU OLUWADAMILARE

HND/23/AGT/FT/0126

**BEING A RESEARCH PROJECT SUBMITTED TO DEPARTMENT
OF AGRICULTURAL TECHNOLOGY, INSTITUTE OF APPLIED
SCIENCE, KWARA STATE POLYTECHNIC, ILORIN**

**IN PARTIAL FULFILMENT FOR THE REQUIREMENT OF AWARD OF
HIGHER NATIONAL DIPLOMA IN ANIMAL PRODUCTION**

SUPERVISED BY

MR LAWAL, W.S

SEPTEMBER 2025

CERTIFICATION PAGE

This is to certify that this project work has been read and approved as meeting part of the requirement for the award of Higher National Diploma in Agricultural technology, Department of Agricultural Technology, Kwara State Polytechnic, Ilorin.

.....
Lawal, W.S
(Project Supervisor)

.....
Date

.....
Mr Banjoko, I.K
(Head of Department)

.....
Date

.....
Mr Mohammed, S.B
(Project Coordinator)

.....
Date

.....
External Examiner

.....
Date

DEDICATION

I dedicate the project work to God Almighty who is my creator, my guard and my guidance, to him
I praise and worship for the rest of my life.

TABLE OF CONTENT

Title Page

Certification Page

Dedication

Acknowledgment

Abstract

CHAPTER ONE

Introduction and Background of the study 1-2

Justification 2

Aim and Objectives of the study 2

CHAPTER TWO

Literature review 4

Trend in integrated farming system 4-12

CHAPTER THREE

Site of the experiment, material and Ingredients used 9-13

CHAPTER FOUR

Results and Discussions 14-19

CHAPTER FIVE

Conclusion and Recommendations 20

References 21-23

ABSTRACT

An experiment was conducted to use the waste of one livestock for another one to see if it can reduce the cost of feeding the animals. It was concluded that maggot from poultry feaces is not harmful to the fishes and it really supported their growth, fish pond water is not harmful to broilers, goat and wetting the vegetable farm with it really improve their performance. It also reduces the cost of feeding the animals because this waste materials after the mild treatment of the waste the nutrients in them is released.