

**EFFECT OF TEACHER'S QUALIFICATION AND LABORATORY STATUS ON THE
PERFORMANCE OF SENIOR SECONDARY SCHOOL PHYSICS STUDENTS IN
MOLO SUB COUNTY-TORORO DISTRICT**

BY

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SCIENCE EDUCATION DEGREE AT BUSITEMA UNIVERSITY**

DECLARATION

I, OPIO WILLIAM do hereby declare that this is my own research work and has never been presented to any other institution of learning for any award.

Signature Date

Opio William

APPROVAL

This is to certify that this research report entitled “Effect of Teacher’s Qualification and Laboratory Status on the Performance of Senior Secondary School Physics Students in Molo Sub County-Tororo District” is of OpioWilliam.

Supervisors signature Date

OWALU JOSEPH ANTHONY

DEDICATION

I dedicate this report to my dear mother Miss Abbo Georgina and my wife Apoya Lillian for their guidance, motivation and support throughout my academic journey.

ACKNOWLEDGEMENT

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CHAPTER ONE: INTRODUCTION

1.0 Introduction

The mastery of a subject is determined by the performance of the students in such a subject at a prescribed examination. Any interactive activity between a teacher and the students is expected to produce learning outcomes in the learners. When such an activity failed to produce a change in behavior (learning) in the learners, then, there is a problem.

The performance of students in science generally is a major concern to science educators. Aghyeneku in Sakiyo and Sofeme (2008) noted that students' performance in science subjects is low in both national and state examinations. A number of reasons can be identified to be accountable for the performance of students in sciences. These include the science curricula, teachers' methods of teaching, parents, government, lack of science facilities and others (Ahiakwo, 2003). Survey from schools (Ajayi, 2007) revealed that inadequacy of good instructional materials; equipment and laboratory facilities in the schools also affect negatively the effective learning of Physics in the schools. According to Ango (1990), students' poor performance in physics globally is basically due to lack of involving the students in the teaching learning activities right from the beginning of any new concept to be taught, lack of qualified teachers as well as experiences in teaching and unavailability and/or insufficiency of materials in the laboratories.

The impact of the teachers' qualification in the performance of the students is paramount. The teachers are the facilitators who are to impact into the students the concepts expected to be learnt. However, Olarewaju (1986) and Nwagbo (1995) were of the opinion that ignorant of the teachers or neglect of activity- oriented methods by the teachers grossly contribute to students' low performance in Physics. From Ajayi's (2009) point of view, the professional qualities of a teacher have to do with the following:

- ❖ Mastery of the subject matter
- ❖ Sense of organization
- ❖ Ability to clarify ideas
- ❖ Ability to motivate students

- ❖ Good imagination
- ❖ Ability to involve the students in meaningful activities throughout the period of teaching
- ❖ Management of the details of learning
- ❖ Frequent monitoring of students' progress through tests, formal and informal, written and oral quizzes.

1.1 Statement of the Problem

Physics is one of the major subjects meant to provide the basic concepts needed to enhance the development of technology in the country. Research reports (Ajayi 2004, Adedayo 2008) revealed that the performance of students in Physics is very appalling, hence, calls for attention. The consequence of this might result from unqualified teachers handling this subject and inadequate laboratory equipments in the secondary schools where sometimes the student may not have access to their optimum use of these equipments as required.

1.2 Purpose of the Study

To investigate the effect of Effect of Teacher's Qualification and Laboratory status on the Performance of senior secondary School Physics Students in Tororo District.

1.2.1 Specific Objectives

- i. To investigate the availability of qualified teachers of Physics in secondary schools
- ii. To investigate the relationship between the availability qualified Physics teachers and students' performance in Physics
- iii. To investigate the availability and utilization of Physics laboratory equipment (PLE) for the teaching and learning of Physics in senior secondary schools in Molo Sub county
- iv. To obtain the relationship between the utilization of PLE and the academic performance of students in Physics.

1.3 Research questions

1. Are there qualified teachers of Physics in secondary schools?
2. What is the relationship between the availability qualified Physics teachers and students' performance in Physics?

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