



**THE EFFECTIVENESS OF LEARNING BASIC GEOMETRIC
CONSTRUCTIONS TO ACHIEVE GOOD GRADE IN PT3
AMONG FORM 2 IN KOLEJ DATU PATINGGI ABANG HAJI
ABDILLAH**

ZUNARTEE BINTI RASLI
2011103877

An Academic Exercise submitted
For the degree of

**Bachelor of Education (Primary Education)
With Honours**

**Faculty of Education
January 2016**

TABLE OF CONTENTS

Content	Page
ABSTRACT	II
ABSTRAK	III
ACKNOWLEDGEMENT	IV
LIST OF TABLES	V
LIST OF FIGURES	VI
1.0 INTRODUCTION	1
2.0 LITERATURE REVIEW	12
3.0 METHODOLOGY	16
3.1 Methodology	17
3.2 Population	18
3.3 Data Gathering Instrument	19
3.4 Data Analysis	20
4.0 RESULT AND DISCUSSION	
4.1 Result and Discussion	21
5.0 DISCUSSION, RECOMMENDATION AND CONCLUSION	30
5.1 Discussion	30
5.2 Recommendation	31
5.2 Conclusion	32

REFERENCES

APPENDIX

ABSTRACT

This study was conducted to identify the performance of Form Two students, to determine the importance of basic knowledge in Geometrical constructions to achieve good grade in Mathematics. 25 students were selected from one of the form two classes as the respondents in this study. A set of questionnaire which consists of 10 items each. While the students achievement was measured based on the respondent's test result. The data was being process by using Microsoft Excel. Based on the findings it shows that student's basic knowledge in geometrical constructions is a main factor which contributes to student's performance in exam.

CHAPTER ONE

INTRODUCTION

1.0. Introduction

Mathematics curriculum of secondary school emphasize that the establishment of basic mathematics seeding and fertilization of knowledge, interest, attitude and aesthetic success spawned a generation of cultured mathematics. In addition thinking skills and learning skills are embedded into the teaching and learning that emphasizes mastery of concept, processes and mathematical language. It is also aims to develop students understanding of the concept of mathematics itself in general and geometry and constructions in specific.

In Mathematics, mastering both of these can help students answering examinations questionnaire better in order to get better result in mathematics. In addition, it is also to make sure this selected students manage to fulfill the need of parents, school, community and countries as well as to help students to further their studies in higher level. At the beginning, teachers have to make sure that students can achieve better grade in public exam that is Penilaian Tahap 3 (PT3), especially in mathematics.

CHAPTER TWO

LITERATURE REVIEW

2.0 Introduction

This chapter provides a review of the literature review which related with researcher study to focus on the effectiveness of learning geometric constructions to achieve good grade in PT3 among form two students. Articles are selected from whose are doing similar research while researcher's focus will be more on geometric constructions.

2.1 Literature Review

When we investigate the properties of geometric figures by using geometric constructions, we can train our prediction and logical thinking skills. Despite its significance and importance, the use of geometric constructions has not been emphasized in our curriculum. Geometry program insisted that all geometry had to be made with straightedges and compasses, that what we find if we look back to Euclid's time, the Greek (Johnston-Wilder & Mason, 2005). Thus, through this study, in order to achieve good grade in exam, we wanted to find out students' interests and ability and the importance of learning basic geometric construction among form two students to achieve good grade in examination.