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Computer Aided Learning (CAL) For Malaysian O'Level Mathematics Curriculum (CALMOMC)

by

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UNIT KOLEKSI KHAS

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Abstract

This project is about a CAL system on Malaysian O'Level Mathematics Curriculum (CALMOMC). The first chapter simply discusses the era of electronic classroom in Malaysia. The second chapter then, reports about the Malaysian Mathematics Curriculum, its objectives and the Education Philosophy.

The third chapter covers the importance and benefits of CAL. There is also a discussion on traditional teaching methods and CAL VS the traditional methods,

The report then discusses the Author-ware package in details. Why Authorware is chosen, steps to produce a program, Author-ware VS Other CAL Oriented Languages and the characteristics of a CAL language are also covered.

There is also a chapter that views the proposed system in general. This chapter contains the system structure, system flowcharts, user manual and system screens.

In order to measure the success of the system, an evaluation was carried out. The results of the evaluation are discussed in chapter six.

Lastly, conclusion and suggestions for future improvements are in chapter seven.

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Chapter 1

Introduction

Since the advent of the microcomputer, rapidly developing technology has greatly enhanced the machines and ma& them far more accessible to man in the street. Initially, the machines were unwieldy and very difficult to use, and their uses were limited. All this has changed and now the machines are very flexible in their applications.

The invention of these cheap and powerful machines has brought the era of the electronic classroom one step nearer. Every where in the world, schools, colleges and universities teachers of all subjects are using computers to enhance their teaching. Computer Aided Learning (CAT-,) has been introduced at the infant schools in the United Kingdom. Unfortunately, in Malaysia, CAL, is still a new area. No computers are placed in any **infant,** primary and secondary schools. Students are not introduced to computers until they are in the universities. Rut recently, there is an increase in the awareness of the importance of introducing computers as early as possible. Secondary schools in Malaysia have now managed to buy computer hardwares and softwares and established computer clubs at their own expenses. The government does not have enough budget to set up any computer club. Parents and private companies have contributed a lot in the set up of these computer clubs.

These clubs however, just taught the students to use commercial word processing packages to produce worksheets and reports, which help students with spelling and in

The contents of the thesis is for internal user only

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