

UNIVERSITI TEKNOLOGI MARA

**THE EFFECTIVENESS OF USING
YEAR 3 MATHEMATICS INTERACTIVE SOFTWARE
IN SOLVING MATHEMATICAL PROBLEM
AT SK LKTP ULU DENGAR**

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“In the name of Allah, the All Loving”

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ABSTRACT

In general, primary school students show a very profound interest in Mathematics. However, the situation changed when they started to learn problem solving questions. They are having difficulties when answering question that usually needs two operations to solve it. Thus, one study is made to solve the problem. The objective of this research is to see the effectiveness in using interactive software *Mathematics Year 3* in problem solving Mathematics questions. This research will be carried out on twenty seven Year 3 students of Sekolah Kebangsaan LKTP Ulu Dengar, Kluang, Johor. They will be given one set of pre and post examinations, questionnaires and an interview. From the pre examination result, 10 students failed and none of the students got an A. On the other hand, from the post examination result, only 6 students who failed and 3 students managed to get an A. Based on the questionnaire, min score from the 10 questions that which had been answered by the students is 4.726. This min score is in a positive level. Hence, the questionnaire that had been implemented by the researcher showed that there was a very good development. The third steps for this research is based on the two interviews on six students that have different ability before and after they used the interactive software. Hopefully, the result of this research will help the students to master the problem solving questions. Furthermore, this research also will guide my colleagues to improve their ways of teaching in future.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

The development of computer and telecommunications networks has led to the emergence of the Internet, integration among communication technology, regulatory changes and shifts in social issues that lead to a challenging career in the future. The development of Information and Communication Technology (ICT) of this rapid change affects the education curriculum in Malaysia. Information and Communication Technology (ICT) has brought many changes in the lifestyle of a community. Transition to the informative society is rapid due to fast technological developments. Ministry of Education (MOE) aims to see all schools in Malaysia to be smart (Curriculum Development Centre, Ministry of Education, 1999). The use of multimedia technology in education is very important in being a smart school to face the era of information technology.

Computer technology is used to assist teaching and learning as well as facilitate communication among teachers. Along with the proliferation of increasingly sophisticated information technology, integration of information and communication technology in teaching and learning at all levels of schooling is becoming a priority. Advanced progress is able to save time and energy but also facilitate information transfer that moves and be in cyberspace or virtual with no location, is becoming a reality in the world of education in Malaysia.