



UNIVERSITI TEKNOLOGI MARA

**THE EFFECTIVENESS OF USING i-THINK METHOD
IN ENHANCING MEMORISING SKILLS AMONG
SCIENCE LEARNERS IN SK GREEN ROAD,
KUCHING, SARAWAK.**

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ABSTRACT

Science is a subject that demands the perseverance of the students to recall many facts, terms, scientific names, and so on. One method that is suitable and meets the latest teaching and learning should be sought so that teaching and learning activities (P d P), which is operated by Science teachers will provide optimum effect while improving student achievement. This study aims to evaluate the effectiveness of the use of the i-THINK methods to enhancing the memorising skills of students year 4 in science subjects. The selected title is rusting in the fields of Nature Materials. This research is a quasi-experiment involving 72 students in year four from 4 Tun Abdullah and 4 Tun Mahathir classes in Sekolah Kebangsaan Green Road, Kuching, Sarawak. The study design was qualitative and quantitative. The instruments used are observation, interviews, questionnaires and pre-test and post-test. Data analysis showed an increase in the percentage. Based on the findings of the study showed that the i-THINK methods in teaching and learning can improve student proficiency given in Science.

Keywords: Effectiveness, Method, i-THINK, Enhance, Skills, Memorization

Mata pelajaran Sains merupakan subjek yang menuntut ketekunan murid untuk mengingat banyak fakta, istilah, nama-nama saintifik dan sebagainya. Satu kaedah yang sesuai dan menepati ciri pengajaran dan pembelajaran yang terkini perlu dicari agar aktiviti pengajaran dan pembelajaran (P d P) yang dikendalikan oleh guru Sains akan memberikan kesan yang optimum sekaligus meningkatkan pencapaian murid. Kajian ini bertujuan untuk menilai sejauh manakah keberkesanan penggunaan kaedah i-THINK dalam meningkatkan kemahiran mengingat murid tahun 4 dalam mata pelajaran sains. Tajuk yang dipilih ialah Pengaratan dalam bidang Alam Bahan. Kajian ini berbentuk kuasi-eksperimen yang melibatkan 72 orang murid tahun empat dari kelas 4 Tun Abdullah dan 4 Tun Mahathir di Sekolah Kebangsaan Green Road, Kuching, Sarawak. Reka bentuk kajian adalah secara kualitatif dan kuantitatif. Instrumen yang digunakan ialah pemerhatian, temubual, soal selidik serta ujian pra dan ujian pos. Hasil analisis data menunjukkan peningkatan pada nilai peratusan. Berdasarkan dapatan data menunjukkan bahawa kaedah i-THINK dalam pengajaran dan pembelajaran dapat meningkatkan kemahiran mengingat murid dalam mata pelajaran Sains.

Kata Kunci: Keberkesanan, Kaedah, i-THINK, Meningkatkan, Kemahiran, Mengingat

TABLE OF CONTENTS

CHAPTER	PAGE
DECLARATION	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	iv
LIST OF TABLE	v
LIST OF FIGURE	vi
1.0 INTRODUCTION	1
2.0 RESEARCH OBJECTIVES	
2.1 Research Objectives	2
2.2 Research Questions	2-3
2.3 Definitions of Terms	3
3.0 LITERATURE REVIEW	
3.1 i-THINK Programmes	4-7
3.2 Memorization and Forgetting	7-11
3.3 Conclusion	11
4.0 LIMITATIONS OF RESEARCH	12
5.0 METHODOLOGY	
5.1 Research Design	13
5.2 Sample Size	13-14
5.3 Instrument	14-17
5.4 Intervention	17-18
5.5 Data collection	18-19
5.6 Data analysis	19-20

CHAPTER 1

INTRODUCTION

1.0 Introduction

Education in this country is a continuous effort towards enhancing the potential of individual in holistic and integrated to create a balanced, harmonious and virtuous. Along with the national philosophy of education, the standard curriculum in science subject is designed to produce a balanced individual intellectually, spiritually, emotionally and physically. One of the challenges in 2020 is to establish a science community which is not only a consumer of technology but also a contributor to the development of science and technology in future. Thus, the development in science and technology is very crucial to ensure the country's vision to be a developed country can be achieved. At present, there are calls or demands that changes be made to the existing teaching strategies of teaching where the teacher centred to pupil centred learning more. This means that pupils are required to be more active and take part in the teaching and learning activities. Smart learning pattern will produce pupils who are wise. How a pupil was able to follow the lessons in the classroom and outside the classroom preparing for exams usually start from the way teachers teach and give it effective learning patterns of teaching interesting results. According to Tun Dr. Mahathir Mohamad (2001), Malaysia's education system is the best among all third world who have achieved success have to do with challenges to six visions 2020. In response to this call, educators need to find ideas, techniques or a better approach to be applied in their teaching strategies.

CHAPTER 3

LITERATURE REVIEW

3.0 Literature Review

3.1 i-THINK Programmes

In order to gain great achievement in education globally, Malaysia has to accept the changes and transforms to become a country which is developed in all aspects including economy, politics, education etc. to achieve this objective, the Ministry of Education (MOE) and Malaysia innovation agency (AIM) collaboratively introduced i-THINK Project – The Sun (2012). This project can help school to promote thinking skills among the pupils. According to the findings of international assessments (TIMSS and PISA) found that Malaysia's position has declined in the subject of language, science and mathematics. The study found that students are knowledgeable, but did not know to apply it. So the introduction of i-THINK program is aimed to produce human capital for the future to think creatively, critically and innovatively and to foster higher order thinking skills (HOTS) and competitive through the i-THINK method which have 8 map of thought. Other than that i-THINK also aim to create future innovators of Malaysia with an amazing capability to think critically and creatively as well as able to adapt with the challenges in the future. Malaysia innovation agency (AIM) is an organization which is established by Malaysia government to help in strengthening the country development through the ideas and cultures of innovation. The main focus of the ministry of education is to give equal opportunity for all the people to get education.