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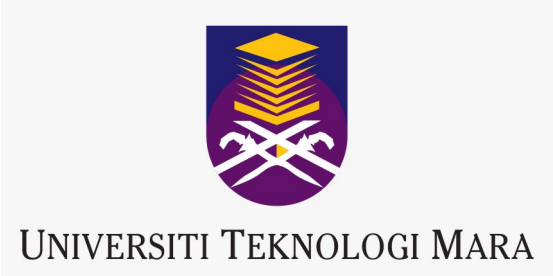

THE EFFECTIVENESS OF USING THE LAT IN MULTIPLICATION SKILLS AMONG YEAR 5 IN SK BERADEK

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ABSTRACT

This research focuses on efforts to help improve the skills of multiplication by using Lattice method among the pupils in Year 5 at SK Beradek. The study involved 20 respondents were selected based on preliminary observations made in the class during the process of teaching and learning. This study was conducted based on Kurt Lewin's research model involves five main steps of identifying aspects of practice, designing an action plan, implementing the plan of action, the effect of the action, and reflection on all the action. Through the research instruments were implemented, researchers have identified several issues that affect pupils weaknesses in multiplying skills. Throughout the interviews and document analysis of diagnostic tests researchers has identified three problems or weaknesses faced by the pupils in solving the multiply questions. The problems are the pupils not memorized the multiplication tables, error in terms of algorithms, especially involving multiplication of whole numbers with two-digit numbers and errors involving regrouping the product of the multiplication. In accordance with it, Lattice method was introduced to help improve students' multiplication skills while avoiding misconceptions faced by students in multiplication skills. The implementation of this study appear to have yielded positive results and encouraging, this can be seen in terms of the mean or average test scores, the increase was 39.95% in progressive test compared diagnostic test of 42.05% to 82%. Many pupils also gave a positive response to the survey was conducted. So with this it can be proved that the Lattice method was introduced to the pupils in Year 5 can help them improve their skills and avoid algorithm mistakes in multiplication, especially for the questions multiply whole numbers by one-digit numbers.

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CHAPTER 1

INTRODUCTION

1.1 Introduction

Developments in thought, technology, economics and globalization demanded changes in the Malaysian education landscape in line with the rapid development in the 21st century. The aim of the Primary School Curriculum Standards for Mathematics is to develop pupils' understanding of number concepts, basic skills in math, easy to understand mathematical ideas and competent, applying mathematical knowledge and skills to effectively and responsibly in everyday life.

Inherently mathematical nature promoting meaningful learning and challenging thinking. Consequently math is among the most important areas in any human development efforts. Based on the National Education Philosophy, Mathematics Curriculum has been reworked and reorganized. These measures are in line with the need to provide the knowledge and skills of mathematics to students who have a background and a wide range of capabilities. With the knowledge and skills, they are able to explore science, adaptation, modification and innovation in the face or deal with the changes and challenges ahead.

Hamdan (2000), certainly we all need to recognize that mastery and excellence in mathematics is a prerequisite for progress of our country, especially in the world of information technology leads to orientation. Generation smart mathematics will be decisive in the current generation of development. Using mathematics to other fields of knowledge has been consolidated and translated for the benefit of all. Applications basic facts about multiplication is also very important in solving other problems in mathematics as the title fractions, decimals, measurement of distance, daily math, money, weight, time and time. Therefore, all students should have mastered in elementary school mathematics, especially basic facts about multiplication to apply their mathematical skills in other disciplines.

However, among mathematic’s teachers stating that they are hard-learned mathematics by pupils. Thus, many students fail to master math well as facing problems in acquiring basic operational concepts. There are four basic operations in mathematics. The basic operations are addition, subtraction, multiplication, and division. Integrated Curriculum for Primary Schools (KBSR), one of the highlights is allowing students to master the four skills. Mastering the