

## **ABSTRAK**

### **PENGARUH PENERAPAN PENDEKATAN *SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATIC (STEM)* BERBASIS *BLENDED LEARNING* PADA MATERI IPA TERHADAP KEMAMPUAN *PROBLEM SOLVING* PESERTA DIDIK DI KELAS V SD**

**Oleh**

**INDAH SAFITRI**

Masalah dalam penelitian ini yaitu pasca pandemi proses pembelajaran di kelas V SD Al-Azhar 2 Bandar Lampung hanya sebatas transfer pengetahuan dan kurang dilengkapi dengan praktik atau eksperimen, sehingga kurang mendukung peningkatan kemampuan *problem solving* peserta didik. Penelitian ini bertujuan untuk mengetahui pengaruh penerapan pendekatan *Science, Technology, Engineering and Mathematic (STEM)* berbasis *blended learning* pada materi IPA terhadap kemampuan *problem solving* peserta didik di kelas V SD. Jenis penelitian yaitu penelitian kuantitatif dengan metode *quasi eksperiment design* berbentuk *non equivalent control group*. Populasi dalam penelitian ini berjumlah 76 peserta didik dan sampel yang digunakan yaitu kelas VA dan VB dengan jumlah 50 peserta didik yang dipilih berdasarkan teknik *purposive sampling*. Teknik pengumpulan data pada penelitian ini menggunakan tes dan non tes. Hasil penelitian menunjukkan bahwa ada pengaruh penerapan pendekatan *Science, Technology, Engineering and Mathematic (STEM)* berbasis *blended learning* pada materi IPA terhadap kemampuan *problem solving* peserta didik di kelas V SD.

Kata kunci: *blended learning*, kemampuan *problem solving*, pendekatan STEM.

## **ABSTRACT**

### **THE EFFECTS OF APPLICATION THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) APPROACH BASED BLENDED LEARNING ON SCIENCE MATERIALS TO PROBLEM SOLVING ABILITY OF STUDENTS IN FIFTH GRADE ELEMENTARY SCHOOL**

**By**

**INDAH SAFITRI**

*The problem in this study is that after the pandemic the learning process in class V SD Al-Azhar 2 Bandar Lampung is only limited to knowledge transfer and is not equipped with practice or experimentation, so it does not support the improvement of students' problem solving abilities. This study aims to determine the effects of application the Science, Technology, Engineering, and Mathematics (STEM) approach based blended learning on science materials to problem solving ability of students in fifth grade elementary school. The type of research is quantitative research with a quasi-experimental design method in the form of a non-equivalent control group. The population in this study amounted to 76 students and the sample used was class VA and VB with a total of 50 students selected based on purposive sampling technique. Data collection techniques in this study used tests and non-tests. The results showed that there was an effects of application the Science, Technology, Engineering, and Mathematics (STEM) approach based blended learning on science materials to problem solving ability of students in fifth grade elementary school.*

*Keywords:* *blended learning, problem solving ability, STEM approach.*