

ABSTRAK

Titin Masturoh. 2023. Pengaruh Penerapan Model Pembelajaran *Search Solve Create Share* (SSCS) dan *Problem Based Learning* (PBL) Terhadap Kemampuan Pemecahan Masalah Matematis Ditinjau dari Motivasi Belajar Peserta Didik, Prodi Magister Pendidikan Matematika, Universitas Jambi, Pembimbing : (I) Prof. Dr. Syaiful, M.Pd. (II) M. Haris Effendi HSB, S. Pd, M. Si, Ph. D.

Kata Kunci : Model Pembelajaran *Search Solve Create Share* (SSCS), Model Pembelajaran *Problem Based Learning* (PBL), Kemampuan Pemecahan Masalah Matematis, Motivasi Belajar

Penelitian ini dilatarbelakangi oleh masih rendahnya pemecahan masalah matematis peserta didik dalam menyelesaikan soal kemampuan pemecahan masalah materi teorema Pythagoras. Penelitian ini memiliki tujuan untuk mengetahui seberapa besar pengaruh penerapan model pembelajaran *Search Solve Create Share* (SSCS) dan *Problem Based Learning* (PBL) terhadap kemampuan pemecahan masalah matematis ditinjau dari motivasi belajar peserta didik. Jenis penelitian yang digunakan yaitu penelitian eksperimen semu. Populasi sebanyak 71 peserta didik yang terbagi menjadi 4 kelas dan sampel terdiri dari 3 kelas, yaitu kelas eksperimen I (19 peserta didik), kelas eksperimen II (20 peserta didik), dan kelas kontrol (18 peserta didik). Teknik dalam pengambilan sampel menggunakan *simple random sampling*. Instrumen yang digunakan dalam penelitian ini merupakan lembar observasi, angket motivasi belajar, dan tes pemecahan masalah matematis. Data yang diperoleh dalam penelitian ini dianalisis menggunakan uji ANOVA dua jalur. Hasil penelitian menunjukkan bahwa: 1) terdapat pengaruh model pembelajaran SSCS dan PBL terhadap kemampuan pemecahan masalah matematis peserta didik, 2) terdapat pengaruh motivasi belajar tinggi, motivasi belajar sedang, dan motivasi belajar rendah terhadap kemampuan pemecahan masalah matematis peserta didik setelah penerapan model pembelajaran, dan 3) terdapat interaksi antara model pembelajaran SSCS dan PBL terhadap motivasi belajar dalam meningkatkan kemampuan pemecahan masalah matematis peserta didik.

ABSTRACT

Titin Masturoh. 2023. The Effect of Applying Search Solve Create Share (SSCS) and Problem Based Learning (PBL) Learning Models on Mathematical Problem Solving Ability in View of Student Learning Motivation, Master of Mathematics Education Study Program, Jambi University, Supervisor : (I) Prof. Dr. Syaiful, M.Pd. (II) M. Haris Effendi HSB, S. Pd, M. Si, Ph. D.

Keywords: Search Solve Create Share (SSCS) Learning Model, Problem Based Learning (PBL) Learning Model, Mathematical Problem Solving Ability, Learning Motivation

This research is motivated by the low level of students' mathematical problem solving in solving problems of Pythagorean theorem material problem solving abilities. This study aims to determine how much influence the application of the Search Solve Create Share (SSCS) and Problem Based Learning (PBL) learning models has on mathematical problem solving abilities in terms of students' learning motivation. The type of research used is quasi-experimental research. The population is 71 students divided into 4 classes and the sample consists of 3 classes, namely experimental class I (19 students), experimental class II (20 students), and control class (18 students). The technique of taking samples using simple random sampling. The instruments used in this study were observation sheet, a learning motivation questionnaire, and a mathematical problem solving test. The data obtained in this study were analyzed using a two way ANOVA test. The results showed that: 1) there was an effect of the SSCS and PBL learning models on students' mathematical problem solving abilities, 2) there was an effect of high learning motivation, moderate learning motivation, and low learning motivation on students' mathematical problem solving abilities after applying the learning model, and 3) there is an interaction between the SSCS and PBL learning models on learning motivation in improving students' mathematical problem solving abilities.