

ABSTRAK

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Kemampuan Pemecahan Masalah Matematis dan Kecemasan Matematika Siswa Pada Pembelajaran *Creative Problem Solving* dan *Problem Based Learning*.

Penelitian ini bertujuan untuk mengkaji perbandingan pencapaian dan peningkatan kemampuan pemecahan masalah matematis serta mengkaji perbedaan kecemasan matematika antar siswa yang memperoleh pembelajaran *Creative Problem Solving* dan *Problem Based Learning*. Penelitian ini merupakan penelitian eksperimen kuasi dengan desain *pretest-posttest two treatment design*. Penelitian ini dilakukan pada siswa kelas VII di SMP Negeri di Kabupaten Pandeglang. Instrumen penelitian yang digunakan meliputi tes kemampuan pemecahan masalah, angket kecemasan matematika dan lembar observasi. Analisis data dilakukan dengan menggunakan uji non parametric yaitu uji *Mann-Whitney*. Hasil penelitian ini yaitu: (1) terdapat perbedaan pencapaian kemampuan pemecahan masalah matematis antar siswa yang memperoleh model CPS dan siswa yang memperoleh PBL; (2) terdapat perbedaan peningkatan kemampuan pemecahan masalah matematis antar siswa yang memperoleh model CPS dan siswa yang memperoleh PBL ditinjau secara keseluruhan; (3) terdapat perbedaan peningkatan kemampuan pemecahan masalah matematis antar siswa yang memperoleh model CPS dan siswa yang memperoleh PBL ditinjau berdasarkan KAM tinggi; (4) tidak terdapat perbedaan peningkatan kemampuan pemecahan masalah antar siswa yang memperoleh model CPS dan siswa yang memperoleh PBL ditinjau berdasarkan KAM sedang dan rendah; (5) tidak terdapat perbedaan kecemasan matematika antar siswa kelas CPS dan siswa kelas PBL.

Kata Kunci: *Creative Problem Solving* (CPS), *Problem Based Learning* (PBL), kemampuan pemecahan masalah matematis, kecemasan matematika.

ABSTRACT

ArinaNurIndriani. (1605273). Students' Mathematical problem solving ability and mathematics anxiety in learning of creative problem solving and problem based learning.

The aim of this study is to analyze the comparison of mathematical problem solving ability and mathematics anxiety between students who obtained Creative Problem Solving learning and students who obtained Problem Based Learning. This research is quasi experimental study with pretest posttest two treatment design. Implementation of this research was conducted on the students of class VII of Junior High School in Pandeglang. The research instruments used include mathematical problem solving ability tests, mathematics anxiety questionnaire and observation sheet. Data analysis was performed by using Mann Whitney test for nonparametric tests. The results of this research are: (1) there are differences in the mathematical problem solving ability between students who obtain the CPS learning and students who obtain PBL learning; (2) there are differences of enhancement of mathematical problem solving ability between students who obtain the CPS learning and students who obtain PBL learning; (3) there are differences of the enhancement of mathematical problem-solving ability between students who obtain the CPS learning and students who obtain PBL learning reviewed based on high prior knowledge student; (4) there is no difference of the enhancement of problem solving ability between students who obtained the CPS learning and students who obtained PBL learning reviewed based on medium and low prior knowledge students; (5) there is no difference in mathematics anxiety between students who get CPS learning and students who get PBL learning.

Keyword: Creative Problem Solving (CPS), Problem Based Learning(PBL), mathematical problem solving ability, mathematics anxiety,

