# **ABSTRAK**

**REVIEW LITERATUR SISTEMATIS : PENERAPAN MODEL PEMBELAJARAN *CREATIVE PROBLEM SOLVING* DALAM MENINGKATKAN KEMAMPUAN**

**PEMECAHAN MASALAH MATEMATIS DAN *SELF-EFFICACY***

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Penelitian ini bertujuan untuk melakukan kajian literatur terkait penerapan Model Creative Problem Solving (CPS) dalam meningkatkan Kemampuan Pemecahan Masalah dan Self-Efficacy dengan subjek siswa SMP, SMA, dan SMK. Metode yang digunakan dalam penelitian adalah Systematic Literature Review (SLR), yang terdiri 19 artikel jurnal nasional dan internasional terakreditasi yang diperoleh dari Google Schoolar, Research Gate, SINTA, DOAJ terindeks yang diterbitkan pada periode 2015 – 2020. Pengumpulan data dilakukan dengan mendokumentasikan semua artikel terkait Kemampuan Pemecahan Masalah dan Self-Efficacy. Permasalahan pertama mengkaji persamaan dan perbedaan penelitian ditinjau dari tujuan penelitian dan hasil penelitian. Masalah kedua mengkaji besarnya peningkatan KPM dan Self-Efficacy ditinjau dari materi, instrumen penelitian dan masalah ketiga mengkaji kesesuaian antara jenis penelitian, dan hasil penelitian tentang peningkatan KPM dan Self-Efficacy dengan penerapan model pembelajaran CPS. Berdasarkan hasil penelitian secara umum diperoleh bahwa Model CPS dapat meningkatkan KPM dan Self- Efficacy. Hasil analisis menunjukkan tujuan penelitian yang dilakukan mencakup meneliti pengaruh, efektifitas penerapan/ penggunaan model CPS dan perbandingan /perbedaan penggunaan model CPS dan model lain seperti PBL dan Cooperative Learning. Materi penelitian terbanyak diteliti adalah Aljabar (70,3%), dilanjutkan Geometri (19,2%), dan Kalkulus (10,5%). Instrumen penelitian yang digunakan test essay untuk KPM, untuk menganalisis proses jawaban siswa dan angket dan wawancara untuk mengetes Self-Efficacy siswa terhadap model CPS. Pemanfaatan teknologi GeoGebra, MAPLE II, dan Video pembelajaran berdampak positif dalam peningkatan KPM dan Self-Efficacy. Gender dan level kemampuan siswa memberikan dampak positif untuk siswa pintar dalam penggunaan model CPS. Beberapa penelitian menunjukkan siswa pria lebih baik dari siswa wanita dalam penggunaan model CPS. Melalui penelitian ini disarankan agar penelitian pendidikan matematika memperhatikan kemampuan 4C, penggunaan media dan teknologi, dan pembelajaran e-Learning, Blended Learning, and Asesmen Berbasis HOTS dan Literasi Matematis.

**Keywords: Review Literatur Sistematis, Creative Problem Solving Kemampuan Pemecahan Masalah Matematis , Self-Efficacy”. Matematika**

# **ABSTRACT**

**SYSTEMATIC LITERATURE REVIEW: IMPLEMENTATION OF CREATIVE PROBLEM SOLVING LEARNING MODELS IN INCREASING ABILITY MATHEMATICAL PROBLEM SOLVING AND SELF-EFFICACY**

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This study aims to conduct a literature review related to the application of the Creative Problem Solving (CPS) Model in improving Problem Solving Ability and Self-Efficacy with junior high school, high school and vocational school students as subjects. The method used in this research is Systematic Literature Review (SLR), which consists of 19 accredited national and international journal articles obtained from indexed Google Schoolar, Research Gate, SINTA, DOAJ published in the period 2015 – 2020. Data collection was carried out by documenting all articles related to Problem Solving Ability and Self-Efficacy. The first problem examines the similarities and differences in research in terms of research objectives and research results. The second problem examines the magnitude of the increase in KPM and Self-Efficacy in terms of material, research instruments, and the third problem examines the suitability between types of research, and the results of research on increasing KPM and Self-Efficacy with the application of the CPS learning model. Based on the results of the research, it is generally found that the CPS Model can increase KPM and Self-Efficacy. The results of the analysis show that the objectives of the research conducted include examining the effect, effectiveness of the application/use of the CPS model and comparisons/differences in the use of the CPS model and other models such as PBL and Cooperative Learning. The most studied research materials were Algebra (70.3%), followed by Geometry (19.2%), and Calculus (10.5%). The research instrument used was test essay for KPM, to analyze the process of student answers and questionnaires and interviews to test Self-Efficacy. The use of GeoGebra technology, MAPLE II, and learning videos has a positive impact on increasing KPM and Self-Efficacy. Gender and student ability level have a positive impact on smart students in using the CPS model. Several studies have shown that male students are better than female students in using the CPS model. Through this research it is suggested that mathematics education research pay attention to 4C abilities, use of media and technology, and e-Learning, Blended Learning, and HOTs-Based Assessment and Mathematical Literacy.

**Keywords: Systematic Literature Review, Creative Problem Solving Ability Mathematical Problem Solving, Self-Efficacy”. Mathematics**