

## ABSTRAK

### PENGEMBANGAN MODEL *CREATIVE PROBLEM SOLVING* DENGAN PENDEKATAN *OPEN ENDED* TERKAIT KEMAMPUAN BERPIKIR KREATIF MATEMATIS SISWA

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Penelitian ini bertujuan menghasilkan sintaks/langkah model pembelajaran *Creative Problem Solving* dengan pendekatan *Open Ended* terkait kemampuan berpikir kreatif matematis yang valid dan praktis. Penelitian ini mengacu pada Borg & Gall dimulai dari penelitian dan pengumpulan data, perencanaan pengembangan desain produk awal, uji coba lapangan awal, dan revisi hasil uji coba lapangan awal. Subjek penelitian adalah siswa kelas X SMA Negeri 9 Bandar Lampung tahun pelajaran 2020/2021. Data penelitian diperoleh melalui observasi, wawancara, angket, dan tes kemampuan berpikir kreatif matematis siswa. Teknik analisis data yang digunakan adalah statistik deskriptif. Hasil penelitian menunjukkan bahwa (1) sintaks atau tahapan model *Creative Problem Solving* dengan pendekatan *Open Ended* terkait kemampuan berpikir kreatif matematis siswa yang meliputi pemberian masalah *open ended*, pencarian fakta, penemuan ide, penemuan solusi masalah, presentasi hasil, serta analisis dan penerimaan solusi telah memenuhi kriteria valid dan praktis; (2) model *Creative Problem Solving* dengan pendekatan *Open Ended* pada materi Trigonometri didukung oleh perangkat pembelajaran berupa silabus, RPP, LKPD, dan tes kemampuan berpikir kreatif yang memenuhi kriteria valid dan praktis.

**Kata kunci:** berpikir kreatif, *Creative Problem Solving*, pendekatan *Open Ended*

## **ABSTRACT**

### **THE DEVELOPMENT OF CREATIVE PROBLEM SOLVING MODEL WITH AN OPEN ENDED APPROACH TO STUDENT'S MATHEMATICAL CREATIVE THINKING ABILITY**

**By**

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This research aims to produce a syntax/steps of a Creative Problem Solving learning model with an open ended approach related to valid and practical mathematical creative thinking ability. This research refers to Borg & Gall starting from research and data collection, planning the development of initial product designs, initial field trials, and revising the results of initial field trials. The research subjects were students of grade X SMA Negeri 9 Bandar Lampung in the 2020/2021 academic year. The research data were obtained through observation, interviews, questionnaires, and tests of students' mathematical creative thinking ability. The data analysis technique used is descriptive statistics. The results showed that (1) the syntax/steps of the Creative Problem Solving model with an Open Ended approach which include providing open-ended problems, fact finding, idea finding, problem solutions finding, presenting results, as well as analyzing and accepting solutions that have met valid and practical criteria; (2) the Creative Problem Solving model with an Open Ended approach on Trigonometry material is supported by learning tools in the form of a syllabus, lesson plans, worksheets, and creative thinking ability tests that meet valid and practical criteria.

**Keywords:** creative thinking, Creative Problem Solving, Open Ended approach