

ABSTRAK

PENGEMBANGAN MODEL PEMBELAJARAN *SEARCH, SOLVE, CREATE AND SHARE* (SSCS) TERINTEGRASI *OPEN-ENDED* UNTUK MENINGKATKAN KEMAMPUAN PEMECAHAN MASALAH MATEMATIS

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Rendahnya kemampuan pemecahan masalah matematis peserta didik, salah satunya disebabkan karena kurang tepatnya model pembelajaran. Penelitian ini merupakan penelitian *Research and Development*, yang bertujuan untuk menghasilkan model pembelajaran SSCS terintegrasi *open-ended* yang terkategori valid, praktis dan efektif dalam meningkatkan kemampuan pemecahan masalah matematis peserta didik. Pengembangan dalam penelitian ini menggunakan prosedur penelitian *Borg and Gall*. Penelitian ini dilaksanakan pada kelas VIII SMP Negeri 1 Bunga Mayang tahun ajaran 2025/2026 pada materi SPLDV. Teknik pengumpulan data yang digunakan yaitu wawancara, observasi, tes dan angket. Teknik analisis data yang digunakan, yaitu uji kevalidan, uji kepraktisan dan uji keefektifan dari hasil uji-t dan N-Gain. Hasil pengembangan model pembelajaran terkategori valid dan praktis. Selanjutnya, diperoleh hasil skor kepraktisan dari respon pendidik yaitu 88,63% dan peserta didik 89,42%, sehingga produk dinyatakan sangat praktis. Kemudian berdasarkan hasil uji-t terhadap *posttest* kemampuan pemecahan masalah memperoleh kesimpulan terdapat perbedaan yang signifikan kemampuan pemecahan masalah peserta didik menggunakan model pembelajaran SSCS terintegrasi *open-ended* dengan kemampuan pemecahan masalah matematis yang menggunakan model SSCS biasa. Hal ini didukung dari hasil uji N-Gain dengan nilai N-Gain persen sebesar 68% yang menunjukkan bahwa peningkatan kemampuan pemecahan masalah matematis peserta didik pada kelas eksperimen termasuk kategori peningkatan yang sedang. Dengan demikian, model pembelajaran SSCS terintegrasi *open-ended* memenuhi kriteria valid, praktis dan efektif untuk meningkatkan kemampuan pemecahan masalah matematis peserta didik.

Kata Kunci: Model SSCS, Pendekatan *Open-Ended*, Kemampuan Pemecahan Masalah Matematis

ABSTRACT

DEVELOPMENT OF AN INTEGRATED OPEN-ENDED SEARCH, SOLVE, CREATE AND SHARE (SSCS) LEARNING MODEL TO IMPROVE MATHEMATICAL PROBLEM-SOLVING SKILLS

By

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The low mathematical problem-solving ability of students is caused by the inaccuracy of the learning model. This research is a Research and Development study, which aims to produce an open-ended integrated SSCS learning model that is categorized as valid, practical and effective in improving students' mathematical problem-solving abilities. The development in this study uses the Borg and Gall research procedure. This research was conducted in class VIII of SMP Negeri 1 Bunga Mayang in the 2025/2026 academic year on SPLDV material. Data collection techniques used were interviews, observations, tests and questionnaires. Data analysis techniques used were validity tests, practicality tests and effectiveness tests from the results of the t-test and N-Gain. The results of the development of the learning model are categorized as valid and practical. Furthermore, the results of the practicality score obtained from the educator's response were 88.63% and students 89.42%, so the product is declared very practical. Then based on the results of the t-test on the problem-solving ability posttest, it was concluded that there was a significant difference in the problem-solving ability of students using the open-ended integrated SSCS learning model with the mathematical problem-solving ability using the regular SSCS model. This is supported by the results of the N-Gain test with an N-Gain percent value of 68% which indicates that the increase in students' mathematical problem-solving ability in the experimental class is included in the moderate improvement category. Thus, the open-ended integrated SSCS learning model meets the valid, practical and effective criteria for improving students' mathematical problem-solving ability.

Keywords: SSCS Model, Open-Ended Approach, Mathematical Problem-Solving Skills