

ABSTRAK

M AMRULLAH EFFENDI, Pengembangan Lembar Kerja Siswa (LKS) Berbasis *Search, Solve, Create, and Share* (SSCS) Pada Pembelajaran Biologi Kelas X IPA Semester 2 di SMA Negeri 11 Medan.

Tesis: Program Pascasarjana Universitas Negeri Medan, 2021

Penelitian bertujuan untuk mengembangkan dan mengetahui kelayakan Lembar Kerja Siswa (LKS) berbasis *search, solve, create, and share* pada pembelajaran biologi kelas X IPA SMA Semester 2 di SMA Negeri 11 Medan. Pembelajaran SSCS yang dikolaborasikan dengan LKS dapat meningkatkan peserta didik secara aktif dalam pembelajaran di sekolah karena proses ini dapat memfasilitasi siswa dalam mencari, menemukan dan membangun pengetahuannya untuk memecahkan masalah. Metode penelitian yang digunakan, yaitu metode penelitian dan pengembangan (*Research and Development*). Model pengembangan produk yang mengadaptasi model pengembangan Borg and Gall. Pada penelitian hanya dilakukan sampai tahap pengembangan. Hasil pengembangan LKS berbasis SSCS menurut ahli materi yang terdiri dari aspek kelayakan isi sebesar 85,19% kriteria pada tingkat sangat baik/ layak, kelayakan penyajian sebesar 85% kriteria pada tingkat sangat baik/ layak, dan komponen SSCS sebesar 85,26% kriteria pada tingkat sangat baik/ layak, sedangkan menurut ahli desain aspek kelayakan terdiri dari desain sampul sebesar 90% kriteria pada tingkat sangat baik/ layak, tipografi sampul sebesar 100% kriteria pada tingkat sangat baik/ layak, desain isi LKS sebesar 87,50 kriteria pada tingkat sangat baik/ layak, dan ilustrasi isi LKS sebesar 81,25% kriteria pada tingkat sangat baik/ layak. Berdasarkan tanggapan guru menunjukkan kriteria sangat baik/ layak, dengan persentase skor keseluruhan penilaian guru sebesar 92,17%. Hasil tanggapan siswa berdasarkan uji coba perorangan sebesar 78,13% dengan kriteria sangat baik/ layak, uji kelompok kecil sebesar 78,24% dengan kriteria sangat baik/ layak dan uji coba lapangan terbatas sebesar 81,48% dengan kriteria sangat baik/ layak.

Kata kunci: Pengembangan, LKS, Biologi, SMA, SSCS

ABSTRACT

M AMRULLAH EFFENDI, The Development of Student's Worksheets based on *Search, Solve, Create, and Share* (SSCS) in Biology Learning Grade X Science Two Semesters at SMA Negeri 11 Medan.

Thesis: Postgraduate Program of Medan State University, 2021

The aims of this study were to develop and determine the eligibility of the Search, Solve, Create, and Share (SSCS)-based student worksheets in biology learning for the tenth graders of the second semester at SMA Negeri 11 Medan. The SSCS learning that is collaborated with student worksheets can enhance students more actively in learning because this process can facilitate students in finding and building knowledge to solve problems. The method applied a Research and Development (R&D) adapted from Borg and Gall model. This study was only carried out until the development stage. The results showed that the SSCS-based student worksheets according to material experts containing the aspects of content eligibility of 85.19% with an excellent/eligible category, the presentation eligibility of 85% with an excellent/eligible category, and the SSCS components of 85.26% with an excellent/eligible category. Meanwhile, according to design experts containing the aspects of cover design of 90% with an excellent/eligible category, the cover typography of 100% with an excellent/eligible category, the content design of student worksheet of 87.50 with an excellent/eligible category, and the content illustration of student worksheet of 81.25% with an excellent/eligible category. Based on the teachers' responses showed an excellent/eligible category, with total score of the teachers' assessment of 92.17%. The results of students' responses based on individual tests of 78.13% with an excellent/eligible category, small group tests of 78.24% with an excellent/eligible category as well as the limited field tests of 81.48% with an excellent/eligible category.

Keywords: Research & Development, Student Worksheet, Biology, Search, Solve, Create, and Share (SSCS)

