

ABSTRAK

JOSEPHINE OLIVIA GULTOM, Pengembangan LKPD Berbasis *Search Solve Create and Share* (SSCS) Terhadap Minat Belajar dan Keterampilan Proses Sains Serta Hasil Belajar Siswa Pada Materi Biologi Kelas X.

Tesis: Program Pascasarjana Universitas Negeri Medan, 2024

Penelitian ini bertujuan untuk mengembangkan dan mengetahui kelayakan (LKPD) berbasis *search, solve, create, and share* (SSCS) pada pembelajaran biologi kelas X MIPA Semester I di SMA Negeri 5 Medan. Untuk mengetahui secara aktif minat belajar siswa dalam proses pembelajaran dan keterampilan proses sains kepada siswa/i serta mengetahui hasil belajar siswa selama proses pembelajaran berlangsung di sekolah karena proses ini dapat memfasilitasi siswa dalam mencari, menemukan dan membangun pengetahuannya untuk memecahkan masalah. Penelitian ini merupakan penelitian pengembangan (R&D). Metode penelitian yang digunakan, yaitu metode penelitian pengembangan 4D (*Define, Design, Develop, Disseminate*). Instrumen penelitian yang digunakan wawancara, angket validasi ahli materi, angket validasi desain, angket validasi bahasa, tanggapan guru bidang studi terhadap LKPD berbasis SSCS, angket minat belajar siswa, angket keterampilan proses sains siswa dan lembar penilaian *pretest-posttest*. Hasil kevalidan materi oleh ahli materi dinyatakan dalam kriteria “Sangat Baik/Layak” dengan persentase rata-rata sebesar 91,75%. Hasil kualitas produk oleh ahli desain dengan persentase rata-rata 87,5% dalam kriteria “Baik/Layak”. Guru memberi tanggapan terhadap LKPD berbasis SSCS dengan rata-rata persentase 86,25% dengan kategori “Baik/Layak”. Rata-rata persentase minat belajar siswa pada kelompok kecil sebesar 71% dengan kategori “Berminat” dan persentase rata-rata minat belajar siswa pada kelompok besar adalah 88% dengan kategori “Sangat Berminat”. Hasil rata-rata persentase keterampilan proses sains siswa pada kelompok kecil adalah 76,67 berada pada kategori “Baik/Layak” dan hasil rata-rata persentase keterampilan proses sains siswa pada kelompok besar adalah 86,67 berada pada kategori “Baik/Layak”. Dari perolehan hasil belajar siswa sebanyak 37 orang siswa pada materi keanekaragaman hayati dan virus terdapat 4 orang siswa dengan perolehan *N-gain* terkategori “Sedang” sebesar 0.7 dan 33 siswa lainnya mendapatkan *N-gain* terkategori “Tinggi” sebesar ≥ 0.8 .

Kata Kunci: LKPD, SSCS, Minat belajar, KPS, Hasil Belajar Siswa.

ABSTRACT

JOSEPHINE OLIVIA GULTOM, Development of LKPD Based on Search Solve Create and Share (SSCS) on Learning Interest and Science Process Skills and Student Learning Outcomes in Class X Biology Material.

Thesis: Medan State University Postgraduate Program, 2024

This research aims to develop and determine the feasibility of (LKPD) based on search, solve, create, and share (SSCS) in biology learning for class X MIPA Semester I at SMA Negeri 5 Medan. To actively find out students' interest in learning in the learning process and science process skills among students and to find out students' learning outcomes during the learning process at school because this process can facilitate students in searching, finding and building their knowledge to solve problems. This research is development research (R&D). The research method used is the 4D development research method (Define, Design, Develop, Disseminate). The research instruments used were interviews, material expert validation questionnaires, design validation questionnaires, language validation questionnaires, study field teacher responses to SSCS-based LKPD, student learning interest questionnaires, student science process skills questionnaires and pretest-posttest assessment sheets. The results of material validity by material experts are stated in the "Very Good/Decent" criteria with an average percentage of 91.75%. Product quality results by design experts with an average percentage of 87.5% in the "Good/Decent" criteria. Teachers responded to the SSCS-based LKPD with an average percentage of 86.25% in the category "Good/Decent". The average percentage of student interest in learning in small groups is 71% in the "Interested" category and the average percentage of student interest in learning in large groups is 88% in the "Very Interested" category. The average percentage result of students' process skills in the small group was 76.67 in the "Good/Decent" category and the average percentage result of science students' process skills in the large group was 86.67 in the "Good/Decent" category. From the learning outcomes obtained by 37 students on the biodiversity and virus meter, there were 4 students with an N-gain in the "Medium" category of 0.7 and 33 other students with an N-gain in the "High" category of ≥ 0.8 .

Keywords: LKPD, SSCS, Interest in learning, KPS, Student Learning Outcomes.