ABSTRAK

PENGEMBANGAN *e*-LKPD BERBASIS AKTIVITAS MODEL PEMBELAJARAN *SEARCH, SOLVE, CREATE, SHARE* (SSCS) BERBANTUAN CANVA UNTUK MENINGKATKAN KEMAMPUAN BERPIKIR KRITIS DAN LITERASI SAINS

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Penelitian ini bertujuan untuk mendeskripsikan efektivitas, kepraktisan, dan efektivitas *e*-LKPD berbasis model pembelajaran SSCS untuk meningkatkan kemampuan berpikir kritis dan literasi sains peserta didik pada topik Fluida Dinamis. Jenis penelitian ini adalah *Design* and *Development Reaserch* (DDR) yang terdiri dari tahap *analysis, design, development,* dan *evaluation.* Teknik analisis data pada pengembangan produk menggunakan analisis persentase terhadap skor hasil validasi dan kepraktisan, serta analisis statistik untuk uji efektivitas. Hasil analisis data menunjukkan bahwa *e*-LKPD berbasis model pembelajaran SSCS valid untuk meningkatkan kemampuan berpikir kritis dan literasi sains peserta didik pada topik fluida dinamis dengan bobot persentase 93,5% dengan kriteria sangat valid. Kepraktisan *e*-LKPD memperoleh bobot persentase 90,9% dengan kriteria sangat praktis, dan efektivitas memperoleh *N-Gain* 0.6 dengan kriteria peningkatan sedang. Berdasarkan hasil analisis data yang telah dilakukan, dapat disimpulkan bahwa: 1) *e*-LKPD berbasis model pembelajaran SSCS dinyatakan valid secara isi serta media dan desain berdasarkan penilaian ahli; 2) kepraktisan *e*-LKPD berbasis model pembelajaran SSCS terkategori sangat praktis, sehingga dapat digunakan pada pembelajaran Fisika SMA, kelas XI semester genap, topik Fluida Dinamis; serta 3) efektivitas *e*-LKPD berbasis model pembelajaran SSCS terkategori sedang, sehingga dapat meningkatkan kemampuan berpikir kritis dan literasi sains peserta didik pada Topik Fluida Dinamis.

Kata kunci: Berpikir kritis, *e*-LKPD, literasi sains, model pembelajaran SSCS.

ABSTRACT

DEVELOPMENT OF SEARCH, SOLVE, CREATE, & SHARE (SSCS) LEARNING MODEL ACTIVITY BASED e-WORKSHEET TO STIMULATE STUDENTS' CRITICALTHINKING AND SCIENCE LITERACY

By

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This research aims to describe the effectiveness, practicality, and effectiveness of SSCS Learning Model Based e-Worksheet to stimulate students' critical thinking and science literacy on dynamic fluid. This type of research is called Design and Development Research (DDR) which consists of analysis, design, development, and evaluation stages. Data analysis techniques in product development use percentage analysis of validation results and practicality scores and statistical analysis to test effectiveness. The results of data analysis show that the SSCS Learning Model Based e-Worksheet to stimulate students' critichal thinking and science literacy on dynamic fluid with a percentage weight of 93,5% with very valid criteria. The practicality of the e-worksheet gets a percentage weight of 90,9% with very practice criteria, and the effectiveness of obtaining N-Gain 0.6 with moderate improvement criteria. Based on the results of the data analysis that has been done, it can be concluded that: 1) the SSCS Learning Model Based e-Worksheet is declared valid in terms of content as well as media and design based on expert judgment; 2) the practicality of the SSCS Learning Model Based e-Worksheet is categorized as very practical so that it can be used in high school physics learning, even semester class XI, the topic of Dynamic fluid; and 3) the effectiveness of e-Worksheet is in the moderate category so that the SSCS Learning Model Based e-Worksheet is stated to be able to stimulate students' chritical thinking and science literacy on Dynamic fluid.

Keywords: Chritical thinking, e-worksheet, science literacy, SSCS model.