

ABSTRAK

Dina Wulansari. 2025. **PENGARUH MODEL *SEARCH, SOLVE, CREATE, AND SHARE* (SSCS) DENGAN METODE *FLIPPED CLASSROOM* TERHADAP KETERAMPILAN PROSES SAINS PADA MATERI TERMODINAMIKA**

Penelitian ini dilatarbelakangi oleh rendahnya keterampilan proses sains peserta didik kelas XI di SMA Negeri 3 Tasikmalaya yang ditunjukkan oleh hasil tes pendahuluan dengan rata-rata persentase sebesar 57,8 dan termasuk dalam kategori “Kurang”. Berdasarkan permasalahan tersebut, peneliti menerapkan model *Search, Solve, Create, and Share* (SSCS) dengan metode *Flipped Classroom*. Tujuan penelitian ini adalah untuk mengetahui pengaruh model SSCS dengan metode *Flipped Classroom* terhadap keterampilan proses sains peserta didik pada materi termodinamika. Penelitian menggunakan metode kuasi eksperimen dengan desain penelitian *posttest only control group design*. Populasi dari penelitian ini adalah seluruh peserta didik kelas XI F di SMA Negeri 3 Tasikmalaya tahun ajaran 2024/2025 sebanyak 144 orang. Sampel penelitian diambil dengan teknik *purposive sampling* sebanyak dua kelas yaitu XI F 2 dan XI F 5. Instrumen tes keterampilan proses sains berbentuk uraian yang terdiri dari 8 nomor yang memuat indikator keterampilan proses sains. Uji normalitas menunjukkan bahwa kedua kelas berdistribusi normal. Uji homogenitas menunjukkan data bersifat homogen. Oleh karena itu, uji hipotesis menggunakan uji t dengan taraf signifikansi ($\alpha = 0,05$). Hasil uji t menunjukkan bahwa $t_{hitung} > t_{tabel}$ yaitu $14,83 > 1,67$, maka H_0 ditolak dan H_a diterima. Hal ini menunjukkan bahwa terdapat pengaruh yang signifikan dari model SSCS dengan metode *Flipped Classroom* terhadap keterampilan proses sains peserta didik pada materi termodinamika.

Kata kunci: *flipped classroom*, keterampilan proses sains, model *search, solve, create, and share* (SSCS), termodinamika.

ABSTRACT

Dina Wulansari. 2025. **THE EFFECT OF THE SEARCH, SOLVE, CREATE, AND SHARE (SSCS) MODEL WITH THE FLIPPED CLASSROOM METHOD ON SCIENCE PROCESS SKILLS IN THERMODYNAMICS**

This research is motivated by the low science process skills of class XI students at SMA Negeri 3 Tasikmalaya as indicated by the results of the preliminary test with an average percentage of 57.8 and included in the "Poor" category. Based on these problems, the researcher applied the Search, Solve, Create, and Share (SSCS) model with the Flipped Classroom method. The purpose of this study was to determine the effect of the SSCS model with the Flipped Classroom method on students' science process skills in thermodynamics material. The study used a quasi-experimental method with a posttest only control group design. The population of this study was all class XI F students at SMA Negeri 3 Tasikmalaya in the 2024/2025 academic year totaling 144 people. The research sample was taken using a purposive sampling technique for two classes, namely XI F 2 and XI F 5. The science process skills test instrument was in the form of a description consisting of 8 numbers containing indicators of science process skills. The normality test showed that both classes were normally distributed. Homogeneity test shows that the data is homogeneous. Therefore, the hypothesis test uses the t-test with a significance level ($\alpha = 0.05$). The results of the t-test show that $t_{hitung} < t_{tabel}$ namely $14,83 > 1,67$, so H_0 is rejected and H_a is accepted. This shows that there is a significant influence of the SSCS model with the Flipped Classroom method on students' science process skills in thermodynamics material.

Keywords: flipped classroom, science process skills, search, solve, create, and share (SSCS) model, thermodynamics.