

ABSTRAK

SOFY TRI ALFIANI: “Pengaruh Model Pembelajaran *Cooperative Integrated Reading and Composition* (CIRC) Terhadap Keterampilan Berpikir Kritis Siswa Pada Materi Sistem Sirkulasi”.

Di abad ke-21, keterampilan berpikir kritis menjadi landasan utama dalam dunia pendidikan. Perkembangan teknologi dan informasi yang pesat menuntut siswa untuk mampu menganalisis, mengevaluasi, serta menyelesaikan masalah secara logis dan sistematis. Penelitian ini bertujuan untuk menganalisis pengaruh model pembelajaran *Cooperative Integrated Reading and Composition* (CIRC) terhadap keterampilan berpikir kritis siswa pada materi sistem sirkulasi. Penelitian menggunakan pendekatan kuantitatif, metode quasi-eksperimen dengan desain *pretest posttest non-equivalent control group design*. Teknik pengambilan sampel menggunakan *purposive sampling*, Populasi penelitian pada kelas XI MIPA 1 dan XI MIPA 3 dengan jumlah masing-masing 26 siswa. Teknik pengumpulan data menggunakan lembar observasi, lembar tes indikator berpikir kritis, dan lembar angket kendala. Teknik analisis menggunakan uji normalitas, uji homogenitas, dan uji hipotesis. Hasil analisis keterlaksanaan pembelajaran pada kelas dengan dan tanpa menggunakan model CIRC selama tiga pertemuan diperoleh rata-rata 94% dan 92% dengan kategori sangat baik. keterampilan berpikir kritis siswa pada kelas dengan dan tanpa menggunakan model CIRC diperoleh nilai *pretest* 25,1 dan 25,6 dengan kategori rendah, nilai *posttest* 76,6 dan 66,4 dengan kategori tinggi. Hasil analisis hipotesis melalui uji *independent sample t-test* memperoleh nilai $t_{hitung} \geq t_{tabel} = 5,637 \geq 2,009$, maka H_0 ditolak. Besaran nilai *effect size* $d = 1,019$ kategori tinggi. Kendala siswa pada kelas dengan dan tanpa menggunakan model CIRC diperoleh 13,0% dan 15,4% dengan sebagian kecil mengalami kendala selama proses pembelajaran. Hasil penelitian ini menunjukkan bahwa model CIRC berpengaruh positif terhadap keterampilan berpikir kritis siswa pada materi sistem sirkulasi.

Kata kunci: Keterampilan berpikir kritis, Model pembelajaran CIRC, Pendidikan Abad 21, Sistem sirkulasi.

ABSTRACT

SOFY TRI ALFIANI: *“The Effect of Cooperative Integrated Reading and Composition (CIRC) Learning Model on Students’ Critical Thinking Skills on Circulation System Material”*.

In the 21st century, critical thinking skills have become the main foundation in the world of education. The rapid development of technology and information demands that students be able to analyze, evaluate, and solve problems logically and systematically. This study aims to analyze the influence of the Cooperative Integrated Reading and Composition (CIRC) learning model on students' critical thinking skills in the circulatory system material. The research uses a quantitative approach, a quasi-experimental method with a pretest-posttest non-equivalent control group design. The sampling technique uses purposive sampling. The research population consists of class XI MIPA 1 and XI MIPA 3, with 26 students in each class. The data collection techniques use observation sheets, critical thinking indicator test sheets, and constraint questionnaire sheets. The analysis techniques use normality tests, homogeneity tests, and hypothesis tests. The results of the analysis of learning implementation in classes with and without using the CIRC model over three meetings obtained an average of 94% and 92% in the very good category. Students' critical thinking skills in classes with and without using the CIRC model obtained pretest scores of 25.1 and 25.6 in the low category, posttest scores of 76.6 and 66.4 in the high category. The results of hypothesis analysis through the independent sample t-test obtained a calculated t-value $t_{hitung} \geq$ critical t-value $t_{tabel} = 5.637 \geq 2.009$, so H_0 is rejected. The effect size value $d = 1.019$ is in the high category. Student constraints in classes with and without using the CIRC model were obtained at 13.0% and 15.4%, with a small portion experiencing constraints during the learning process. The results of this study show that the CIRC model has a positive influence on students' critical thinking skills in the circulatory system material.

Keywords: *Critical thinking skills, CIRC learning model, 21st century education, circulatory system.*