

ABSTRAK

ERIKSON NAINGGOLAN, NIM. 5153111022. Penerapan Model Pembelajaran Cooperative Integrated Reading and Composition (CIRC) Untuk Meningkatkan Hasil Belajar Pada Kompetensi Jalan dan Jembatan Pada Siswa Kelas XI Program Keahlian Desain Pemodelan Dan Informasi Bangunan SMK Negeri 2 Binjai

Penelitian ini bertujuan untuk mengetahui peningkatan hasil belajar siswa mata pelajaran Jalan dan Jembatan melalui penerapan model pembelajaran *Cooperative Integrated Reading and Composition (CIRC)*. Penelitian ini merupakan penelitian tindakan kelas yang dilakukan pada siswa kelas XI program keahlian Desain Pemodelan dan Informasi Bangunan di SMK Negeri 2 Binjai terdiri dari 31 siswa. Penelitian ini dilaksanakan dalam 2 siklus, tiap siklus tersebut meliputi perencanaan, pelaksanaan, pengamatan, dan refleksi dengan materi spesifikasi jembatan. Untuk mengukur hasil belajar siswa digunakan tes soal pilihan berganda dengan 4 *option* sebanyak 20 soal. Sebelum alat ukur digunakan terlebih dahulu di uji coba. Pada uji coba tes hasil belajar siklus I, dari 20 soal diperoleh 16 soal yang valid dari data yang valid uji tingkat kesukaran didapat 3 soal yang mudah, 12 soal yang sedang, dan 1 soal yang sulit dengan uji daya pembeda soal, 1 soal kategori jelek, 7 soal kategori cukup, 7 soal kategori baik, dan 1 soal kategori baik sekali. Sedangkan pada siklus II, dari 20 soal yang telah di uji diperoleh 15 soal yang valid, dan uji tingkat kesukaran diperoleh 7 soal yang mudah dan 8 soal yang sedang.

Analisa data menunjukkan bahwa hasil belajar siswa mengalami peningkatan. Hasil belajar pada siklus I dengan nilai rata-rata 75,815 dengan persentase kelulusan 70,968 % (ketuntasan klasikal) meningkat menjadi 87,097 pada siklus II dengan persentase kelulusan 100% (ketuntasan klasikal). Dapat disimpulkan bahwa dengan menerapkan model pembelajaran *Cooperative Integrated Reading and Composition (CIRC)* dapat meningkatkan hasil belajar siswa kelas XI program keahlian desain Pemodelan dan Informasi Bangunan SMK Negeri 2 Binjai. Jika ingin meningkatkan hasil belajar siswa dalam pelajaran Konstruksi Jalan dan Jembatan, maka perlu menerapkan model pembelajaran CIRC yang telah teruji melalui penelitian.

Kata Kunci : Hasil Belajar, Model *Cooperative Integrated Reading and Composition (CIRC)*, Konstruksi Jalan dan Jembatan.

ABSTRACT

ERIKSON NAINGGOLAN, Registration Number. 5153111022. *The Implementation of Cooperative Integrated Reading and Composition (CIRC) Learning Model to Increase Learning Outcomes of Bridge and Road Competency at Student Grade XI Modelling and Information Building Design Expertise Program at SMK Negeri 2 Binjai.*

This research was aimed to find out the increasing of student learning outcomes at Bridge and Road subject through implementing Cooperative Integrated Reading and Composition (CIRC) learning model. This research was a classroom action research done at grade XI Modelling and Building Information Design Expertise Program in SMK Negeri 2 Binjai which consisted of 31 students.

This research was done in 2 cycle, each cycle including planning, implementing, observing and reflecting with bridge specification material. To measure student learning outcomes was used multiple choice question providing 4 options and 20 questions. Before measuring instrument was used it was tried first. In learning outcomes trial cycle I, from 16 questions were got 16 questions were valid from the valid data trial difficult level was got 3 questions were easy, 12 questions were medium, and 1 question was difficult with distinguish test questions, 1 category question as bad, 7 category questions as enough, 7 category questions as good, and 1 category question as very good. Meanwhile in cycle II, from 20 questions was got 15 questions were valid, and difficulty level test was got 7 questions were easy and 8 questions were medium.

Data analysis showed that student learning outcomes experienced the increasing. Learning outcomes in cycle I with average value of 75,815 with a percentage of 70, 100 % passed (classical completeness). It could be concluded that by implementing the Cooperative Integrated Reading and Composition (CIRC) learning model could improve the learning outcomes of grade XI students in the Modelling and Information Building Design Expertise Program at SMK Negeri 2 Binjai. Based on research, it is necessary to apply the CIRC learning model in the teaching and learning process that exists in schools. If you want to improve student learning outcomes in road and bridge construction lessons, then it is necessary to apply the CIRC learning model that has been tested through research.

Keywords: *learning outcomes, Cooperative Integrated Reading and Composition (CIRC) Model, Bridge and Road Construction*