

ABSTRAK

Holong Ganda Putra Saragih. NIM 5123311014. Penerapan Model Pembelajaran Berbasis Masalah Untuk Meningkatkan Aktivitas dan Hasil Belajar Konstruksi Bangunan Pada Siswa Kelas X Teknik Gambar Bangunan SMK Negeri 1 Lubuk Pakam. Skripsi. Fakultas Teknik Universitas Negeri Medan. 2019

Penelitian ini bertujuan untuk mengetahui peningkatan aktivitas dan hasil belajar siswa pada mata pelajaran Konstruksi Bangunan melalui penerapan model Pembelajaran Berbasis Masalah pada siswa kelas X SMK Negeri 1 Lubuk Pakam semester genap tahun ajaran 2018/2019 yang berjumlah 25 orang. Rancangan penelitian yang digunakan adalah penelitian tindakan kelas (PTK). Prosedur tindakan dikemas ke dalam dua siklus pembelajaran. Dimana siklus pertama mempelajari Jenis-Jenis Pondasi dan Daya Dukung Tanah. Pada siklus kedua mempelajari Pemilihan Pondasi Berdasarkan Jenis Tanahnya.

Hasil uji coba instrumen dilakukan pada siklus pertama dari 20 soal diperoleh 15 soal yang valid dan dari data yang valid dilakukan uji tingkat kesukaran semua soal mudah. Uji daya beda didapat 1 soal jelek, 3 soal cukup, dan 11 soal baik. Uji reliabilitas diperoleh 0,8536 (sangat tinggi). Penelitian dikatakan berhasil diukur berdasarkan indikator hasil belajar siswa mendapat nilai dengan 75 ketuntasan kelas minimal 85%.

Hasil penelitian menunjukkan bahwa pada siklus pertama siswa yang mendapat nilai ≥ 75 sebanyak 15 siswa atau 60% di akhir siklus pertama. Oleh sebab itu perlu dilanjutkan dengan siklus kedua. Hasil belajar dari siklus kedua menunjukkan bahwa siswa yang mendapat nilai ≥ 75 sebanyak 22 siswa atau 88% di akhir siklus kedua. Dapat disimpulkan bahwa penerapan Model Pembelajaran Berbasis Masalah untuk meningkatkan aktivitas dan hasil belajar siswa kelas x program keahlian teknik gambar bangunan pada mata pelajaran konstruksi bangunan di SMK Negeri 1 Lubuk Pakam membuktikan adanya peningkatan hasil belajar siswa.

Maka, dari hasil penelitian di atas pengajuan hipotesis yang menyatakan bahwa:

Penerapan Model Pembelajaran Berbasis Masalah dapat meningkatkan aktivitas dan hasil belajar siswa pada mata pelajaran Konstruksi Bangunan dapat diterima.

Kata kunci: Pembelajaran Berbasis Masalah, Aktivitas, Hasil Belajar

ABSTRACT

Holong Ganda Putra Saragih. NIM 5123311014. Application of Problem Based Learning Model to Improve Activities and Learning Outcomes of Building Construction In Class X Students of Engineering Drawing Building in SMK Negeri 1 Lubuk Pakam. Essay. Faculty of Engineering, Medan State University. 2019

This study aims to determine the increase in activity and student learning outcomes in subjects Building Construction through the implementation of Problem Based Learning model to the students of class X SMK Negeri 1 Lubuk Pakam in the even semester of the 2018/2019 school year, totaling 25 people. The research design used was classroom action research (CAR). The action procedure is packaged into two learning cycles. Where the first cycle study the fact is that both Type Foundations and Land Carrying Capacity. In the second cycle study the Selection of Foundation Based on the Type of Soil.

The results of the trial of the instrument were carried out in the first cycle 20 questions obtained 15 valid questions and from the valid data the difficulty level of all the problems was tested easily. Different power test found 1 bad question, 3 enough questions and 11 good questions. The reliability test was 0.8536 (very high). Research is said to be successfully measured based on indicators of student learning outcomes scored with 75 grade completeness of at least 85%.

The results showed in the first cycle of students who got ≥ 75 scores were 15 students or 60% at the end of the first cycle. Therefore it is necessary to proceed with the second cycle. Learning outcomes from the second cycle show that students who scored ≥ 75 were 22 students or 88% at the end of the second cycle. It can be concluded that the application of Problem Based Learning Model to improve the activity and learning outcomes of student of class x building technical skills in building constuction subjects in SMK Negeri 1 Lubuk Pakam proves an increase in student learning outcomes.

So, from the results of the above research, the hypothesis is proposed that:

Application of Problem Based Learning Model can improve student learning activities and otucomes in Building Construction subjects.

Keywords: Problem Based Learning, Activitie, Learning Outcomes.