

## ABSTRAK

Aditya Rahman, Nim 509321003, *Penerapan Model Pembelajaran Problem Based Learning Untuk Meningkatkan Hasil Belajar Menggunakan Alat Ukur Pada Siswa Kelas X Teknik Sepeda Motor SMK Negeri 1 Air Joman*. Skripsi. Fakultas Teknik Universitas Negeri Medan, 2015

Penelitian ini bertujuan untuk meningkatkan hasil belajar siswa pada mata pelajaran alat ukur pokok bahasan penyetelan / pengukuran dan pemeliharaan jangka sorong sesuai dengan prosedur operasi standar dengan menggunakan model *Problem Based Learning* di kelas X Teknik Sepeda Motor di SMK Negeri 1 Air Joman Kabupaten Asahan. Penelitian ini adalah penelitian tindakan kelas (PTK), subjek dalam penelitian ini siswa kelas X Teknik Sepeda Motor di SMK Negeri 1 Air Joman Kabupaten Asahan tahun pelajaran 2015/2016 dengan subjek sebanyak 21 orang siswa. Pelaksanaan tindakan dilakukan selama 2 siklus, dimana setiap siklus dilakukan dua kali pertemuan. Dalam setiap siklus dilakukan 4 tahap yaitu perencanaan, pelaksanaan, pengamatan dan refleksi. Instrumen yang digunakan dalam penelitian ini adalah tes dan lembar observasi. Pada siklus I diperoleh nilai rata-rata siswa 75 dan setelah dilakukan tindakan perbaikan pembelajaran model *Problem Based Learning* pada siklus II diperoleh rata-rata nilai hasil belajar siswa menjadi 88.1. Demikian halnya dengan ketuntasan belajar siswa siklus I sebanyak 14 orang (66,6%) dan setelah dilakukan tindakan siklus II sebanyak 18 orang (85,7%) yang telah tuntas, sedangkan 3 orang (14,3%) masih belum tuntas. Hasil observasi aktivitas siswa dilakukan dengan dua siklus dengan tindakan siklus I diperoleh 69.03% tergolong rendah, dan setelah dilakukan siklus II diperoleh rata-rata 83.3% tergolong tinggi. Disimpulkan bahwa dengan menggunakan model *Problem Based Learning* dapat meningkatkan hasil belajar siswa pada pelajaran alat ukur pokok bahasan penyetelan / pengukuran dan pemeliharaan jangka sorong sesuai dengan prosedur operasi standar dari ulangan harian rata-rata hasil belajar 61 kemudian dilakukan tindakan pada siklus I rata-rata hasil belajar 75 sedangkan pada siklus II rata-rata hasil belajar 88.1.

Kata Kunci : Model Problem Based Learning, Hasil Belajar, Alat ukur

## ABSTRAK

Aditya Rahman, Nim 509321003, *The Application Of Learning Models Problem Based Learning To Improve Students learning Outcomes Using A Measuring Instrument On Students Grade X Motorcycle Engineering SMK Negeri 1 Air Joman*. Thesis. Department Of Engineering. State University Of Medan In, 2015.

This study aims to improve student learning outcomes on subjects measuring instruments the topic of measurement and maintenance calipers in accordance with the standard operating procedures using *Problem Based Learning* in grade X Motorcycle Engineering SMK Negeri 1 Air Joman District Asahan. This study is a class act research (Penelitian Tindakan Kelas “PTK”) the subjects in this study is student grade X Motorcycle Engineering SMK Negeri 1 Air Joman District Asahan in 2015/2016 the study subject were 21 students. Implementation of the actions carried out during the second cycle, wherein each cycle conducted two meetings. In each cycle conducted 4 stages : planning, implementation, observation and reflection. Instruments used in this study is test and observation sheet. In the first cycle values obtained average student is 75 and after the act of learning improvement using models *Problem Based Learning* in the second cycle obtained an average score of student learning outcomes into 88.1. Likewise with the first cycle students' mastery learning as many as 14 people (62%) and after the act second cycle as many as 18 people (85,7%) which has been completed, while 3 people (14,3%) still uncompleted. Results of student activity observation done in two cycles, the cycle I gained 69.03 classified as low, and after the second cycle obtained an average 83.3 classified as high. Concluded that by using models *Problem Based Learning* can improve student learning outcomes on subjects measuring instruments the topic of measurement and maintenance calipers in accordance with the standard operating procedures the average daily tests of learning outcomes is 61 then in the first cycle an average of learning outcomes 75 while in the second cycle an average of learning outcomes 88,1.

Keyword : *Problem Based Learning* Models, Learning Outcomes, Measuring Instrument

