

ABSTRAK

Daniel Fernando Purba: *Upaya Peningkatan Hasil Belajar Pekerjaan Dasar Teknik Mesin Melalui Penerapan Model Pembelajaran Problem Based Instruction (PBI) Pada Siswa Kelas X Program Keahlian Teknik Pemesinan SMK Negeri 2 Medan Tahun Ajaran 2018/2019.* Skripsi, Fakultas Teknik Universitas Negeri Medan. 2019.

Penelitian ini di latar belakang oleh rendahnya Hasil Belajar Pekerjaan Dasar Teknik Mesin Siswa Kelas X Teknik Pemesinan SMK Negeri 2 Medan. Untuk mengatasi masalah tersebut, dilakukan penerapan model pembelajaran *Problem Based Instruction* (PBI). Penelitian ini bertujuan untuk meningkatkan Hasil Belajar Pekerjaan Dasar Teknik Mesin Siswa Kelas X Teknik Pemesinan SMK Negeri 2 Medan. Penelitian ini merupakan Penelitian Tindakan Kelas yang dilaksanakan di SMK Negeri 2 Medan dengan subjek penelitian adalah siswa kelas X TP-1 dan sampel penelitian sebanyak 35 siswa. Strategi yang digunakan dalam penelitian ini mempunyai empat tahapan, yaitu: 1) Perencanaan, 2) Pelaksanaan, 3) Pengamatan, dan 4) Refleksi dari dua siklus. Hasil dari penelitian menunjukkan bahwa Aktifitas siswa pada siklus I sebesar 64.28% dan pada siklus II aktifitas siswa meningkat sekitar 17.86% dari persentase aktifitas siklus I sebesar 82.14%. Hasil Belajar Pekerjaan Dasar Teknik Mesin Siswa Kelas X pada siklus I mencapai ketuntasan sebesar 68.57% dengan nilai rata-rata 72.57 dan siswa yang tuntas sebanyak 24 orang. Pada siklus II siswa yang tuntas sebanyak 30 orang dengan nilai rata-rata 81.37 dan ketuntasan sebesar 85.71%, sehingga terjadi peningkatan sebesar 17.14%. Dengan demikian hasil penelitian ini membuktikan kebenaran hipotesis tindakan, bahwa dengan menerapkan model pembelajaran *Problem Based Instruction* (PBI) dapat meningkatkan Hasil Belajar Pekerjaan Dasar Teknik Mesin Siswa Kelas X Teknik Pemesinan SMK Negeri 2 Medan Tahun Ajaran 2018/2019.

Kata Kunci: Hasil Belajar, Model Pembelajaran *Problem Based Instruction* (PBI), Pekerjaan Dasar Teknik Mesin



ABSTRACT

Daniel Fernando Purba: *Efforts to Improve Learning Outcomes Basic Work of Mechanical Engineering Through the Application of Problem Based Instruction (PBI) Learning Model in Class X Students of Mechanical Engineering Expertise Program at SMK Negeri 2 Medan Academic Year 2018/2019.* Thesis, Faculty of Engineering, Medan State University. 2019.

This research is based on the background of the low learning outcomes of basic mechanical engineering students of class X machining techniques at SMK Negeri 2 Medan. To overcome this problem, the application of the Problem Based Instruction (PBI) learning model was carried out. This study aims to improve the Learning Outcomes of Basic Mechanical Engineering Work in Class X Students of Mechanical Engineering at SMK Negeri 2 Medan. This research is a Classroom Action Research conducted at SMK Negeri 2 Medan with the research subject being students of class X TP-1 and a sample of 35 students. The strategy used in this study has four stages, namely: 1) Planning, 2) Implementation, 3) Observation, and 4) Reflections from two cycles. The results of the study showed that the activity of students in the first cycle was 64.28% and in the second cycle the activities of students increased by about 17.86% from the percentage of activities in the second cycle of 82.14%. Learning Results Basic Work Mechanical Engineering Class X students in the first cycle achieved completeness of 68.57% with an average value of 72.57 and students who completed as many as 24 people. In the second cycle of students who completed as many as 30 people with an average value of 81.37 and completeness of 85.71%, resulting in an increase of 17.14%. Thus the results of this study prove the truth of the hypothesis of action, that by applying the Problem Based Instruction (PBI) learning model can improve the Learning Outcomes of Basic Mechanical Engineering Work Class X Students of Mechanical Engineering SMK Negeri 2 Medan Academic Year 2018/2019.

Keywords: Learning Results, Problem Based Instruction (PBI) Learning Model, Basic Mechanical Engineering Work

