

ABSTRAK

M. Bobby Arsisco: *Meningkatkan Keterampilan Las Busur Listrik Dasar Melalui Pendekatan Contextual Teaching Learning (CTL) pada Siswa Kelas XI Jurusan Teknik Kendaraan Ringan di SMK Swasta YP. Dharma Karya T.A. 2016/2017.* Skripsi. Fakultas Teknik Universitas Negeri Medan. 2016.

Rumusan penelitian ini adalah “Apakah melalui pendekatan *Contextual Teaching Learning* (CTL) dapat meningkatkan keterampilan las busur listrik dasar pada siswa kelas XI jurusan Teknik Kendaraan Ringan di SMK Swasta YP. Dharma Karya Tahun Ajaran 2016/2017?”. Tujuan dalam penelitian ini adalah untuk meningkatkan keterampilan las busur listrik dasar siswa melalui pendekatan *Contextual Teaching Learning* (CTL) pada siswa kelas XI jurusan Teknik Kendaraan Ringan di SMK Swasta YP. Dharma Karya Tahun Ajaran 2016/2017. Untuk memperoleh data dalam penelitian ini, peneliti melakukan pengumpulan data melalui metode observasi dengan lembar observasi keterampilan las busur listrik dasar siswa pada siklus I dan siklus II. Jenis penelitian ini adalah Penelitian Tindakan Kelas (PTK) yang terdiri dari 2 siklus, siklus I dan siklus II masing-masing siklus dilakukan dua kali pertemuan. Analisis data menggunakan perhitungan persentase. Berdasarkan hasil analisis data observasi keterampilan las listrik dasar pada siklus I, diketahui bahwa dari 34 orang siswa hanya diperoleh 14 orang siswa yang tuntas dalam keterampilan las busur listrik dasar melalui pendekatan *Contextual Teaching Learning* (CTL), dalam persentase keberhasilan masih memperoleh rata-rata 41,18%. Pada siklus II terjadi peningkatan pada keterampilan las busur listrik dasar siswa yaitu 82,35% karena diperoleh 28 orang siswa yang mengalami peningkatan. Walaupun masih ada 6 orang yang dikategorikan belum tuntas, namun tingkat keberhasilan pendekatan sudah mencapai target yakni di atas 75%. Dengan demikian dapat disimpulkan bahwa keterampilan las busur listrik dasar siswa dapat ditingkatkan melalui pendekatan *Contextual Teaching Learning* (CTL), pada kelas XI jurusan Teknik Kendaraan Ringan di SMK Swasta YP. Dharma Karya Tahun Ajaran 2016/2017.

Kata Kunci : Keterampilan Las Busur Listrik Dasar, Pendekatan *Contextual Teaching Learning* (CTL)

ABSTRACT

M. BobbyArsisco: *Electric Arc Welding Skills Basic Approach The Contextual Teaching Learning (CTL) in Class XI Light Vehicle Engineering Department at SMK Private YP. Dharma Karya FY 2016/2017*. Essay. Faculty of Engineering, University of Medan. 2016.

The formulation of this research is "Does the approach Contextual Teaching Learning (CTL) can improve basic electric arc welding skills in class XI student majoring in Mechanical Light Vehicle Private SMK YP. Dharma Karya Academic Year 2016/2017? ". The purpose of this research is to improve the basic electric arc welding skills of students through the approach Contextual Teaching Learning (CTL) on a class XI student majoring in Mechanical Light Vehicle Private SMK YP. Dharma Karya Academic Year 2016/2017. To obtain the data in this study, the researchers collecting data through observation with the observation sheet electric arc welding basic skills of students in the first cycle and the second cycle. This type of research is the Classroom Action Research (CAR), which consists of two cycles, the first cycle and the second cycle of each cycle conducted two meetings. Data analysis using percentage calculations. Based on the analysis of observation skills electric welding base in the first cycle, it is known that out of 34 students obtained only 14 students who completed the skills of electric arc welding basic approach Contextual Teaching Learning (CTL), the percentage of success is still earn on average 41,18%. In the second cycle an increase in the electric arc welding basic skills that students obtained 82,35% for 28 students who have increased. Although there are 6 people who categorized yet complete, but the success rate has reached the target approach which is above 75% .With thus be concluded that the basic electric arc welding skills students can be enhanced through an approach Contextual Teaching Learning (CTL), the Engineering Department of class XI Light vehicle on Private SMK YP. DharmaKarya Academic Year 2016/2017.

Keywords: Electric Arc Welding Skills Basic Approach, Contextual Teaching Learning (CTL)