

Training and Facilitating SMK Muhammadiyah Pakem in Maintenance of Electric Formula Cars

by Zainal Arifin, Herminarto Sofyan, Kir Haryana, Moch. Solikin, Ibnu Siswanto,

ABSTRACT

The Community Service Program (PPM), which was implemented at SMK Muhammadiyah Pakem, aimed to improve the knowledge and skills of team at SMK Muhammadiyah Pakem for making fiberglass vehicle body of the electric formula car. The activity was attended by 10 teachers, 2 technicians, and 16 students from the light vehicle engineering department of SMK Muhammadiyah Pakem. Broadly speaking, the activities carried out in the form of exposure to material about the procedures for making an electric car vehicle body and manufacturing practices. The activities carried out can facilitate teachers and students of SMK Muhammadiyah Pakem in improving their knowledge and skills in the manufacturing of fiberglass electric formula car body vehicles, as well as producing a fiberglass electric formula car body that can be used to replace the vehicle body that is currently installed if it experiences damage or just to change the appearance. In addition, the training participants were satisfied with the training activities that were followed and had the desire to get other training with different topics in the future.

Kata Kunci: *Electric car body; fiberglass*