

Community Service Preparation for the Implementation of Electric Vehicle Technology in Vocational High Schools

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ABSTRACT

Karangmojo Development Vocational School is currently facing the challenge of integrating electric vehicle technology into its educational curriculum. Students' limited understanding of electric vehicle technology and lack of relevant facilities and teaching are the main problems that need to be addressed. This can hinder students' ability to face the development of the modern automotive industry and reduce the availability of skilled labor in the electric vehicle field in the future. This DLK program aims to provide a solution by arranging the implementation of electric vehicle technology at the Karangmojo Development Vocational School. This solution will include several key activities: (1) Preparation of a Curriculum Plan; (2) Teacher Training; (3) Student Research Project; and (4) Purchase and Assembly of Electric Vehicles. The output target of DKL is to establish penta helix cooperation partners between schools and universities. Apart from that, it is also hoped that student performance in these subjects will increase. In the long term, it is hoped that this service can contribute to improving the quality of education in Indonesia.

Kata Kunci: *Education, Training, Modules, Automotive Engineering*