

KESIAPAN PENYELENGGARAAN MATAKULIAH MODIFIKASI SEPEDA MOTOR DALAM IMPLEMENTASI KURIKULUM 2014 JURUSAN PENDIDIKAN TEKNIK OTOMOTIF FT UNY

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ABSTRACT

This study aims to identify (1) the perception of public workshops motorcycle against the principle of modification, (2) the competence modification of a motorcycle, (3) the facilities and infrastructure required for the modification motorcycle and (4) model of learning relevant to the learning subjects Modified Bike motors in Automotive Engineering Education majors FT UNY. This research method is survey. The research instrument is observation sheets, questionnaires and interview guidelines. The results showed that the majority (70%) of respondents did not know the Act and Regulation on the modification of the vehicle. Competence in Modified Motorcycles are (1) the competence of the use of precision measuring tools; (2) use of production machines; (3) welding (electricity and gas); (4) painting (use pen brush / water brush); (5) Bending plate and pipe; (6) the competence to read electrical diagrams; (7) the measurement of electrical system components. Based on a comparison with the equipment in the garage modifications, it is known that a learning tool in the repair shop Automotive Engineering Education Department is still not ready, as it is still relevant to the modification of a motorcycle equipment. The learning model Problem Base Learning (PBL), Reverse Engineering and Project Based Learning is a model that is relevant to the pattern of modification of a motorcycle.

Kata Kunci: *Bike modification, learning of modification, competences*