

# DEVELOPMENT OF AUTOMOTIVE CHASIS TUTORIAL LEARNING VIDEO

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## ABSTRACT

This study aims to, 1) analyze the needs of video tutorial media in automotive chassis courses; 2) produce tutorials video for automotive chassis practical learning; 3) knowing the feasibility of the tutorials video for the automotive chassis practical learning ; 4) knowing the responses of students to the automotive chassis practical learning tutorial videos that were produced.

This study type is research and development. The development model used is ADDIE. The subject of the research is tutorials video that were developed. This study was conducted from March to July 2021 at the Automotive Engineering Education Department. Data collection in this study was carried out through expert judgment and student responses using a questionnaire. Data analyzed by using quantitative descriptive analysis techniques to test the level of product feasibility.

The results of this study indicate that, 1) the need for video tutorial media is analyzed by considering the needs of students, lecturers and the results of competency analysis in automotive chassis courses; 2) there are 4 video tutorials produced from this research, namely, a) video tutorials on installing and take off a car transmission; b) video tutorial on changing tires with a tire changer; c) disc brake maintenance and repair video tutorials; d) video tutorials on maintenance and repair of the drum brake system; 3) The assessment of media and material experts on the tutorial video is included into the very good category; 4) Student responses to the tutorial video are reviewed from 2 aspects, namely the appearance aspect and the function and benefit aspects. Students have the perception that the two aspects of the video tutorial are included into the very good category.

Kata Kunci: *Video Tutorial Media, Automotive Chasis, Practical Learning*