

**LEARNING MEDIA DEVELOPMENT CONTINUOUS VARIABLE
TRANSMISSION (CVT) MOTORCYCLE USING MACROMEDIA FLASH
FOR LEARNING IN SMK MUHAMMADIYAH 1 BAMBANGLIPURO
BANTUL**

**By
Wahyu Adi Perdana
NIM. 09504245006**

ABSTRACT

This study aims at developing learning media products, know the level of appropriateness, and find out the effectiveness of learning media products Continuous Variable Transmission (CVT) motorcycles using Macromedia Flash to enhance student learning outcomes.

This study is a Research and Development or Research and Development (R&D). Research procedure used consists of ten steps: preliminary research, planning, designing the initial product, test product design, product design revision, the initial product testing, product revision, field testing, revising the final product, and implement the product. The subjects of this trial is the first person matter experts and media experts one person, all the test subjects is a lecturer in Automotive Engineering UNY. Small group testing 15 students and 28 student field trials, all subjects tested were students in grade XII subjects Motorcycles. Setting the research took place in SMK Muhammadiyah 1 Bantul. The methods used in collecting data using the instrument in the form of the assessment form to the experts, a questionnaire (questionnaire) for students and CVT test sheet. The method used to analyze data is using descriptive statistics.

The results showed that the development of instructional media products CVT motorcycle, using Macromedia Flash Professional 8 is assisted by other support programs, i.e. Corel Draw X4 and Adobe Photoshop CS. Eligibility level is reviewed from the aspect of media products by 21% for the category of very decent and 79% for the category of worthy. While aspects of the material by 71% for the category of very decent and 29% for the category of worthy. Can be concluded that the media product is fit for use in learning. Assessment of the effectiveness of instructional media products that such products are used in learning effective, because it can improve student learning outcomes. The results of pretest posttest of 10.75, while for 12.8. The product of this learning media can improve learning outcomes by 2.05%.

Key words: development, instructional media, Macromedia Flash.