

# DEVELOPMENT OF CHASSIS MATERIAL LEARNING DEVICES TO SUPPORT THE IMPLEMENTATION OF THE INDEPENDENT CURRICULUM IN VOCATIONAL SCHOOLS

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## ABSTRACT

This research aims to develop and produce chassis material learning tools that are able to train vehicle chassis system inspection, repair and maintenance skills for students of the Light Vehicle Engineering Skills Program Vocational School to support the implementation of the Merdeka Curriculum. This R&D research was carried out at SMKN 2 Pengasih, namely for class X students in the Light Vehicle Engineering Skills Program. The device development stages consist of four phases, namely define, design, develop, and disseminate. The define stage includes literature study activities and field surveys for the purposes of problem identification and needs analysis, the design stage includes initial product design activities, the develop stage includes expert validation activities, product revisions, one-on-one and small group trials, while the disseminate stage includes field outreach activities and revision of the final product. The data collection techniques used are observation, documentation and questionnaire techniques. Data analysis uses quantitative and qualitative descriptive analysis techniques. The results of research and development show that the Teaching Modules, Teaching Materials, LKPD, Learning Media and instruments that have been developed are included in the very feasible category. The test results of all the independent curriculum learning tools obtained 93% very good results. Thus, the learning tools that have been developed are suitable for use in the context of implementing the Merdeka curriculum in vocational schools.

Kata Kunci: *independent curriculum, chassis, vocational school*