

# **Analysis of Essential Material for Light Vehicle Body Engineering Subjects in the Merdeka Curriculum**

**by Amir Fatah, Kir Haryana, Yoga Guntur S, Supriyono, Dinar Kurniawan, Amar Nazarudin Nawa  
Renobarta Maulidino, Muhammad Jafar**

## **ABSTRACT**

This research is a survey research carried out due to the existence of a national policy, namely the provision of three curriculum options that can be implemented by educational units in learning, namely the 2013 curriculum, the emergency curriculum, and the independent curriculum which was previously known as the prototype curriculum. The survey was conducted to find out how teachers determine the essential material and essential material chosen by teachers in the light vehicle body engineering subject. Data collection was carried out using a questionnaire which was reinforced by interviews and data analysis using descriptive methods. The research population was vocational school teachers in the Special Region of Yogyakarta, while the research sample focused on three schools that had a concentration of light vehicle body engineering expertise. The research respondents totaled 12 teachers spread across two SMKs. The results of the research show that the way teachers determine essential material in the Vehicle Body Engineering subject is by involving partner industries in accordance with the instructions for developing an independent curriculum. The most essential material chosen by the teacher for the Body Panel and Frame elements is the removal, installation and light repairs of body panels, doors, fenders, repair of closed panels; in the Electrical elements of the Body and accessories are the automotive lighting system; on the Body Painting element is evaluating and overcoming painting failures; in the Interior Body element is the application of removing and installing the ceiling, trimming, designing the manufacture of seat covers

*Kata Kunci: Material, Essential, Technique, Body, Vehicle*