ANALYSIS OF THE OF THE AUTOMOTIVE ENGINEERING SCIENTIFIC COMPETENCE IN CURRICULUM OF AUTOMOTIVE ENGINEERING EDUCATION

by Wardan Suyanto, Agus Budiman, Yosep Efendi

ABSTRACT

This research aims: (1) to capture the competence of scientific fields in the Automotive Engineering graduates of the Automotive Engineering Education Program, Faculty of Engineering, Universitas Negeri Yogyakarta (FT UNY) (2) Identify the competencies of the Automotive Engineering scientific fields owned by graduates of the Automotive Engineering Education program (3) Determine the relevance competency of the Automotive Engineering scientific field owned by graduates of the Automotive Engineering Education Undergraduate program with the competencies required by Vocational School and Automotive Industry. This research is a descriptive study with a survey method at Vocational School and vehicle service industry in Yogyakarta Special Region. Data is collected using questionnaire and interview methods. The data was processed with quantitative descriptive analysis. Based on the response of Vocational School, it is known that the highest order of soft skills competencies that are most needed are knowledge, discipline, and honesty. Competencies possessed by the Bachelor of Education Study Program of the Automotive Engineering Education FT UNY from the highest to the lowest are discipline, honesty and interest. Graduates more superior to the theoretical aspects than practice aspects. Based on the response of the Automotive Industry it is known that the soft skills needed the highest to the lowest are honesty, discipline and cooperation. The competence possessed by graduates, sorted from the highest to the lowest is honesty, cooperation and discipline. Seen from theory and practice aspect, graduates more superior to the theoretical aspects than practice aspects.

Kata Kunci: *automotive, scientific, curriculum*