

Development of Soft Skills Competency Interview Test for Competency Certification of Brake System Maintenance and Repair Schemes

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ABSTRACT

The aim of this research is to produce a soft skills competency interview test instrument for competency certification for the Brake System Maintenance and Repair scheme while also determining the level of feasibility, validity and reliability. This research was carried out considering that the Department of Automotive Engineering Education (DPTO), which in recent years has collaborated with the Indonesian Automotive Certification Institute (LSP OTOINA), whose task, among other things, is to participate in formulating competency test schemes for certification and competency test content (MUK) based on functional occupation in the automotive industry, both service industry and manufacturing industry.

This research was carried out using the research and development approach of the Borg and Gall model with simplification of steps according to needs which were broadly grouped into three stages, namely: first: making product planning (planning), second: limited trials covering Preliminary activities Field Testing and Main Product Revision, and third: in the form of expanded trials (main field testing), followed by production of the equipment (operational product), until the final device is obtained (final product revision).

The result of this research and development is a set of soft skills competency interview test instruments for competency certification for the Brake System Maintenance and Repair scheme which consists of 20 (twenty) questions based on the assessment of 8 (eight) prospective assessors of the quality of this soft skills competency interview test instrument. is Feasible to Use (mean value = 3.75 from a scale of 4), both in terms of material, construction and language aspects, although there are still some deficiencies that can be used as a reference for perfecting it. The content validity of the instrument was tested by calculating the Aiken's V index, obtaining a total average V value of 0.92 (more V table = 0.75 for $p = 0.04$), which means it meets the requirements (valid). The reliability of this instrument was tested using the Interclass Correlation Coefficient (ICC) with the SPSS program, the ICC price was 0.621 with a significance of 0.01 ($0.01 < 0.05$), meaning that based on inter-rater assessments, there were 8 (eight) of these instruments. reliable, so it can be used.

Kata Kunci: *Interview, Soft Skills, Brake System*