

ABSTRACT

Developers or manufacturers of transportation in Indonesia are always conducting development and research on transportation safety in an effort to create a transportation product that has a high level of safety, thus requiring a human substitute test product (mannequin) that has specific specifications, such as height, weight and dimensions that resemble humans in such a way as a research object for data collection in vehicle safety tests. Based on direct observations that occurred in the field during the test activities at PT. Pindad is the inefficiency of the mannequin transfer process because the transfer still uses a time-consuming assembly and disassembly process because it does not allow the use of hydraulic jack transport machines, due to the field test terrain that does not match the specifications of the machine transport jack that has limited specifications. Therefore, the researcher has an idea to create a special tool for the purpose of transferring the vehicle test mannequin that adopts a similar system or mechanism more efficiently. The purpose of this research is to design a mannequin transport aid tool for vehicle tests that can support efficient test needs with a compact size. The method used in this research is a qualitative method, through this descriptive analysis will help the author to summarize and interpret the data obtained in a systematic and objective way.

Keywords : Transport Equipment, Mannequin, Transportation, Military