

# Penerapan Metode TROPOS Untuk Rekayasa Kebutuhan Pada Pembangunan Sistem Informasi Pengelola Gudang Mobil di PT. Istana Bandung Raya Motor

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## Abstract

PT. Istana Bandung Raya Motor (IBRM) is one of the official Honda car dealers in the city of Bandung. In its business process, the Warehouse Section of PT. IBRM has not used an integrated information system in the stock taking business process. An information system in the Warehouse Section is needed to help the stock taking business process that seeks to minimize problems such as paper loss and human error. In building information systems it is necessary to pass several SDLC (Software Development Cycles). RE (Requirement Engineering) is the beginning of SDLC. RE agreed as an important task, because many software failures were received from inconsistent, incomplete, or just incorrect specification requirements. In RE Is a process that is the analysis of needs to analyze user needs. Goal Oriented Requirements Engineering (GORE) is one model that can be used to analyze user requirements. One method developed from the GORE model is the TROPOS method. The use of TROPOS in the development of a car warehouse management information system for requirements analysis at the modeling stage of initial and final requirements. After the requirements are analyzed, the results of the analysis are implemented into an information system that forms the web. The information system that has been created based on modeling is evaluated using stakeholders' System Usability Scale (SUS) measurements. Based on the provisions of the SUS score decision, the results of the respondents' assessment of the warehouse management information system is 80.69 depending on Grade A, so that the warehouse management information system can be used to support the business process of stock opname in the Warehouse Section of PT. IBRM.

**Key Word:** *requirements, goal oriented requirement engineering, TROPOS, System Usability Scale*