THE SELECTION OF TYPE OF PROJECT MANAGEMENT IN TERMS OF ROUTINE MAINTENANCE PROJECT OF ROAD NETWORK UNDER KABUPATEN’S AUTHORITY IN KABUPATEN REJANG LEBONG

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ABSTRACT

Road network, as the land transportation infrastructure are playing important role in transportation sector especially connecting the distribution network of both goods and services to one place to another. Therefore, it should be well managed. Due to its utilization, consequently, roads will deteriorate as vehicles pass it during its service life. In order to maintain the road condition so that vehicles still can utilize it until its final service life reached, some maintenance actions must be carried out including routine maintenance project. Meanwhile, in road routine maintenance project, there are three types of project management found namely; free bidding (contractor based, KO), self-managed (carried by public work division itself, swakelola), and Local Non Government Organization based (OMS). Each type has its own benefit as well as weakness.

The aim of this research is to know what type of project management which is suitable for routine maintenance project of road network under the kabupaten’s authority. The analysis is carried out by firstly distributing questionnaires to all institution that normally undertake the routine maintenance project in Kabupaten Rejang Lebong including contractor, local public work division, and Local Non Government Organization, that is consist of 89 respondences (87 man and 2 woman), this research was begun from November 2008 to April 2009. It then continues with the Structural Equation Model (SEM) for further analysis by using Partial Least Square (PLS).

The result show that factors influencing the selection of type of project management in terms of routine maintenance project of road network under Kabupaten’s authority are; allocated cost, project schedule, equipment availability, human resources, and traffic volume. Furthermore, based on the model, it is predicted that the r-square of KO, OMS and swakelola are 0.756, 0.415, and 0.216 respectively. Therefore it is concluded that contractor based (KO) is the best to be adopted in terms of routine maintenance project of kabupaten’s road in Kabupaten Rejang Lebong.

Keyword: Kabupaten Rejang Lebong, Partial Least Square (PLS), Type Of Project Management.
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