

MAINTENANCE MANAGEMENT OF TRANSPORTATION EFFECT TO NATIONAL ROAD INFRASTRUCTURE COST PERFORMANCE IN ACEH PROVINCE

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ABSTRACT

It is being implemented the constructions of national roads laid from Takengon to Blangkejeren in Aceh province. The study objective is to identify maintenance management factors related to and affect to road infrastructure cost performance and also relation and influence levels to the each of the factors. To improve maintenance cost performance is required contract system solution for the future to road maintenance construction infrastructure. The response to the Performance Based Maintenance Contract (PBMC) is the majority of respondents (67.39%) agree and very agree to apply in the road infrastructure maintenance work in Aceh Province. The study results show that organizing factor becomes the most dominant factor that affects the cost performance, it is 80.70%. The whole maintenance management factors effects (planning, organizing, directing and controlling) give 90.90% contribution to cost performance. It is expected that the positive response from the maintenance manager party of Construction Unit of Region I National Road of Aceh Province to a desire for a change from this time contract to performance based contract.

KEYWORDS: Road Infrastructure, Maintenance Management, Cost Performance, Performance Based Maintenance Contract