

FACTORS OF TIME PERFORMANCE IN PRODUCTIVITY AND COMPETITIVENESS IN CONSTRUCTION INDUSTRY OF HIGHRISE BUILDINGS

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ABSTRACT

Construction industry holds an important role in the economic development of a country, especially in developing countries such as Indonesia. In Indonesia, construction industry contributed significantly to Gross Domestic Product (GDP) by 6.35% in 2005. Nowadays, the ever rising world economic process and the ever increasing competitiveness have encourages construction companies to manage a faster and appropriate production process in serving customers. In the effort of increasing productivity and competitiveness, punctuality is very important for the sustainability of the construction process. The result of research phase one conclude that 6 variables out of 73 variables that affect time performance could not be accepted. Another result of this research also concludes that there were 4 factors of time performance that affect productivity as follow: Late Supply of Material, Bad Documentation, Inaccurate Instruments, and Bad Work Scheduling that contributed as much as 91.80%. These factors of time performance also affect productivity as follow: Bad Material Scheduling, Currency Exchange Rate and inflation, Bad Coordination, and Slow Distribution of Design Change that contributed as much as 90.20%.

Keywords: Time performance, Productivity, Competitiveness in construction industry, Analytical Hierarchy Process.

INTRODUCTION

Construction industry is an important sector for the development of a nation such as Indonesia. Construction service contributes quite significantly to the growth rate of Gross Domestic Product (GDP). In 1998, sector of construction services contributed to GDP by 7.54%. But, due to economical crisis that caused quite a drastic decline, the growth on this sector only reached 1.63% in 1999. After that, since 2003 this sector has shown the tendency of getting better, marked with the contribution of GDP in this sector by 6.35% in 2005 (Suraji 2007). As an important sector, the growth of national construction industry is surely a golden opportunity for the construction practitioners to work and participate more to improve the competitiveness of national development.

Nowadays, the improving world economics have encouraged construction companies to manage a faster and appropriate production process in serving customer. The improvement of human resources performance and competitiveness can be reached optimally if all factors of human resources performance (including efficiency, effectiveness, punctuality, productivity, quality, and safety factor) are enhanced (Suntana 2008).

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