

Abstract

Efficient of heavy equipment on construction needs planned specifically to achieve a project with optimum cost and time. The purpose of this study for knowing efficiently ways of combination use a Tower Crane and Truck Mixer in order to obtain the optimal cost and time to volume of work structures.

The place of studies was conducted in the State University of Gorontalo on building projects Training Centre. The efficiency of the method used is to reduce and increase the use of heavy equipment and the addition of working hours.

obtained by the volume of work by using a combination of Tower Crane and Truck Mixer which is 31 working days and costs Rp. 302.585.855.,45 The results of the analysis of the various methods that do obtain the most efficient combination of tools is by using the additional Truck Mixer. After the addition Truck Mixer then produced a duration of 29 days and cost Rp. 301.440.690,36

Keywords: Tower Crane and Truck Mixer, Efficiency, Working Hours.

