

ABSTRACT

The construction of the phase ii kppd sleman will heap does the work of mining and land .The job will be done by some heavy instrument commonly used in mining and work the excavator heap , wheel loaders , and dump truck .The purpose of this research is to know the right combination of heavy equipment levels as can be seen from the cost and time work .

To get combination heavy equipments which optimally conducted by with calculate several an alternative combination.Of the results of the analysis calculation or four alternative combination instrument which includes combination excavator, wheel loader, and dump truck.From the condition real he it took 327 hours and cost rp.295.565.700-. While for first alternative the amount of time that are necessary during the 154 hours with fund of rp.160.156.600,00-.In the second one is the amount of time that are necessary during the 157 hours at a cost of 158.197.200,00- and on alternative third it takes time for seven hours to the amount of charge 172.682.500,00-.

So could be seen from several the results of an alternative that is applied side by side comparisons with the condition of real in the ground in a comparison in order to get a combination of a tool that optimal .So that these chareges in the future the first alternative as a combination of the optimum in terms of their own the time and money spent consisting 1 a unit of excavator , 2 a unit of wheel loader and 18 dump to based on the recommendation of on the job diggers should manage roads and abdomen is like a heap the ground at office development the stage of 2 kppd sleman

Keywords: combination , heavy equipment , excavator , wheel loaders , and dump truck