

ABSTRACT

PT. Trubaindo Coal Mining is a mining company that has local operations in West Kutai, East Kalimantan. Mine is used as a block south of the study area is the pit 4500 block 12. Mining system implemented is open pit mining system

.PT. Trubaindo Coal Mining coal production target in 4500 block of 12 pits in 2012 amounted to 2,800,000 tons,. Coal mining process material using a mechanical device that is 2 units of mut Komatsu PC 400 and Komatsu PC 300 and transport equipment 22 units Scania P380 .1 serve 11 unit load devices conveyance by the distance to 2105 meters coal crushing plant.

Constraint occurs is not yet fulfilled the production of unloading equipment and transportation means that production targets have not been achieved. Current production capability is 2,436,922.5 tons / year. Failure to achieve production targets due to a lot of wasted work time due to work constraints which could be avoided either barriers or obstacles that can not be avoided. Given these constraints reduce work time effectively so that the efficiency is low.

Improving production can be done by improving the effective working time, working time and the addition of conveyance. In the 4500 block of 12 pit, with the addition of 1 unit Scania P380 dumptruck conveyance of 2,436,922.5 tons / year increased to 2,857,036 tons / year.

In order to achieve the desired production targets should be monitoring your scheduled time so that working time has been used in the best available and the need for standard rules of time constraints can be avoided.