

ABSTRACT

PT. Bukit Makmur Mandiri Utama Job Site Kideco Jaya Agung including Stone Village area of Kajang, District Sopang Stone, Sand Regency, East Kalimantan Province. Mining system is a system that is applied to an open pit mine with open pit method is done in a way that is blasting and the combination of work between unloading and conveyance tools. Overburden stripping activities at PT. Bukit Makmur Mandiri Utama is done by using a power shovel fit 4000-04 as many as 1 (one) unit in the fleet with a capacity of 24 m³ I, and 3600-08 Backhoe 1 (one) unit on the second fleet with a capacity of 23 m³ bucket and conveyance Dump Truck Catterpillar 789.C on the first fleet, 7 units with a capacity of 120 m³ and a tub for Dump Truck Catterpillar 785.C on the second fleet capacity of 93.75 m³ 7 units.

Cover production targets set by PT. Bukit Makmur Mandiri Utama amounted to 1,350 Bcm / hour. Currently the size of the fleet I fit tool production is 1549.2 Bcm / h, the production of transportation equipment fleet I currently obtained at 1436.4 Bcm / h, load the tools production II fleet is currently at 1518.3 Bcm / hour. Production of transport equipment fleet is currently at 1264.5 II Bcm / hour. Currently I have tercapaian fleet production, but does not occur in the production of transportation equipment Dump Truck Fleet II Catterpillar 785.C not meet production targets that have been determined, it is therefore necessary repairs done to increase the production of transport equipment fleet predetermined II.

Efforts should be made to increase the production fleet II is the effort to increase in the effective working time that is by reducing the time to avoid obstacles that have occurred in the activities of loading, transporting and time barriers that can not be avoided by using a statistical method that is the way mode mode is the mode in which the method can be called common values or frequently arise. After repairs to the time constraints on the mechanical device, the working efficiency for increased production excavator loading and unloading apparatus II fleet efficiency of work initially with 80.16% obtained a production of 1518.3 Bcm / hour, following an increase in the efficiency to be 86.65 % production tools fit II fleet increased by 1630.1 Bcm / hour. Production of the original conveyance fleet II with 81.69% efficiency of production be obtained at 1264.5 Bcm / hour after boosting production efficiency becomes 87.41% fleet conveyance II obtained at 1357.7 Bcm / hour. By increasing the efficiency of work load and conveyance apparatus fleet II production is also increased so that the production of 1,350 Bcm / hour have fulfilled on conveyance fleet II.