

ABSTRACT

PT . Pamapersada is a coal mining contractor who is trusted by PT . Adaro Indonesia , as the holder of working agreements or PKP2B Coal Mining Company in the District. Tabalong , South Kalimantan Province . At the overburden stripping , one thing to note is the transport layer of the cover by means of conveyance from the loading point towards disposal . PT . Pamapersada in this case establishes stripping overburden at the mine site at Pit Tutupan for 3 months , so that the next process which is taking the coal to run according to plan . The process of mining overburden in Pit Tutupan using 1 unit Hydraulic Excavator Komatsu PC 2000 , 1 unit Hydraulic Excavator Komatsu PC 3000 and 26 Dump Truck Komatsu HD 785-7.

The amount of overburden that must be removed for 3 months was amounted to 2.037 million BCM with the nearest transportation distance to stockpile 4,300 m and the furthest transport distance to stockpile 4,730 m. The problem that occurs is in the first months of overburden stripping process takes place, the result is still below the desired target. Failure to achieve the desired target because a lot of working time is wasted. As a result, the effective working time becomes small, so that the working efficiency is low.

Efforts to achieve the set targets can be done by increasing the effective working time . The amount of work efficiency after an increase in the effective working time for PC2000 by 67 % from the previous 61 % , for PC3000 by 69 % from the previous 62 % . Productivity is generated by an increase in the effective working time is of 615 BCM / hour for PC2000 , 965 BCM / hour for PC3000 , while the actual productivity is equal to 588 BCM / hour for PC2000 and 899 BCM / hour for PC3000 . This effective increase in working time can complete the stripping of overburden appropriate preset