

ABSTRACT

PT. Saptaindera Sejati Jobsite BORO is one of the Coal mining contractors trusted by PT. Borneo Indobara as the holder of the Work Agreement on Coal Mining Concession or PKP2B in Coal mining located in Tanah Bumbu Regency, South Kalimantan Province. Coal mining system at PT. Saptaindera Sejati Jobsite BORO is an open-pit mine using a combination of mechanical tools to carry out mining activities in order to achieve predetermined overburden stripping targets. Excavation and loading excavation activities were carried out using the 2000-8 Komatsu PC Excavator. and the Dumptruck Komatsu HD 785.

The problem that occurs at this time is due to the unreachable overburden output target of 750 BCM / hour. From the results of the calculation of the research, the production capability target produced in the excavation in fleet no.29 is 713.85 BCM / Hour and the production capability for fleet no. 44 of 685,77 BCM / Hour. While the production capability of the research results on fleet no.29 transport equipment is 697.82 BCM / hour and the production capability in fleet no. 44 totaling 678.1 BCM / Hour. Therefore, it is necessary to study the production capability of excavators and transport equipment on komatsu PC 2000-8 excavators and Dumptruck HD 785 on fleet No. 29 and on fleet No. 44.