

## **ABSTRACT**

PT. Tanito Harum factory is located in the village Loa Tebu, District Tenggara, Kutai regency, East Kalimantan. Activities stripping to Central Busang block 5D performed by PT.RCI (RPP Contractors Indonesia) with back filling. Overburden Stripping production target is 370,000 BCM / Month. Available working time is 20.3 hours / day using two shifts / day.

This research analyzing the ability of the tool loading and transportation in mining activities in Central Busang Block 5D on 1 May to 29 June 2013. Mining activities using mechanical devices such as excavator backhoe Komatsu PC2000 fit as many as 1 unit. Conveyance dump truck Komatsu HD 785-7 4 units.

Distance PT.Tanito Harum to the mine site is  $\pm 10$ km. Loading pattern used top loading and a single truck backing up. Overburden current production capability is 361 779 BCM to work efficiency 77.71% and has not met the target. This is because the barriers, so we need to increase production. The production target of 370,000 BCM / Month. In this case there is still a shortfall in production by 8221 BCM. Efforts to increase the production is done by reducing barriers to obtain a better work efficiency. After reducing barriers to employment, the effective working time of the original is 77.71% to 81.69% and the production capacity of 362.779 BCM into 371.661 BCM, so the production met the target.