

ABSTRACT

PT. Singlurus Pratama (SGP) is at Samboja, East Kalimantan Province. In mining activity, PT. Singlurus Pratama used Strip Mine system and in overburden activity used Back Filling method. SGP had PKP2B region divided into: Blok Sungai Merdeka, Blok Argomulyo, Blok Argosari and Blok Mutiara.

This research will be located in Blok Sungai Merdeka. In overburden activity with Backhoe Komatsu PC800 with overburden production target is 140.000 bcm/month and the hauler used to moved the overburden material from loading point to disposal with Dump Truck Terex50 NHL. In this overburden activity by PT. Harita Pratama Murti Perkasa who as a contractor.

In this moment, the loader overburden production has been reached to 140.994,78 bcm/month but at the same time The hauler overburden production has not been reached to 127.958 bcm/month so overburden production has shortage to 12.042 bcm/month. A trouble in this research now is efficiency performance of the hauler to 77,25 %. And still happening tardiness of The hauler in loading point to disposal because of the road where through too narrow and slippery so there are queues in the shipper.

In achievement effort overburden production target after the road improvement on a curve and increase work efficiency theoretical production of the hauler is up from 127.958 bcm/month to 161.763,914 bcm/month. A overburden production target has been determined by PT. Singlurus Pratama who as an owner is 140.000 bcm/month. With the road improvement on a curve and increase work efficiency , production target has been reached.