

ABSTRACT

PT. Miyor Pratama *Coal* is company moving mine on commodity coal with system mining *Conventional* , PT. Miyor Pratama *Coal* is located in Lantiak Dulang Batu Taye Dusun Bukit Obang Desa Tumpuak Tengah Kecamatan Talawi Kota Sawahlunto Provinsi Sumatera Barat. This company have a production target *Overburden* 10,000 BCM/Month , with tool The main use, among others: 1 unit *Bucket Excavator* Caterpillar 320 D, 1 unit *Breaker* Hitachi Zaxis *Excavators* , and 1 unit *Dump Truck* Mitsubshi Fuso 125 PS. H acyl calculation to tool productivity dig it out load *Excavator* Caterpillar 320 D amounted to 11.872.8 BCM/Month and tool transport *Dump Truck* Mitsubshi Fuso 125 PS as big as 8,124 BCM/Month , while value harmony (*Match Factor*) tool load Caterpillar 320 D *Excavator* and tool transport *Dump Truck* Mitsubshi Fuso 125 PS is 0.52 . From the results comparison productivity tool and *Match Factor* , then needed addition of 1 unit of *Dump Truck* so the productivity target on tool transport achieved.

Said key : Tool Performance, Productivity, *Match Factor*, Amount Tool