

## ABSTRACT

PT. Darma Henwa Tbk site Asam Asam is one of the company coal mining contractor believed by PT. Arutmin Indonesia as the holder of the work of commercial operation testament coal mining ( PKP2B ) to work on the activities of stripping the overburden and coal mining. Mining locations situated in the village of Asam Asam, kecamatan Jorong, district Tanah Laut, South Kalimantan province. Research locations is devoted to the conveyance pit road III. The process of demolition of the overburden on research sites still using mechanical appliances. Unloading and loading upward dump truck bucket Komatsu HD 785-7 done directly by backhoe EX-Hitachi 2600-6.

Production target of which must be achieved by a series instrument unloading and conveyance is 6.048.000 bcm per year. Actual production of the series of the device only 5.670.000 bcm per year , so that there are still a shortage of 378.000bcm . This is because the day that time obstacles waiting truck for loaded with that causes the shortage of time effective instrument work. The match factor is 1,15 with waiting time conveyance namely 2,7 minutes. While work unloading efficiency instrument namely 72,71 % and 79,76 % .

Efforts to improve that can be done to improve the production of a conveyance Komatsu HD 785-7 :

1. The efforts to improve the instrument to harmony of unloading with conveyance of improvements where the match factor before amounting to 1,15 became to 1,005. Waiting time conveyance turned into 0,1 minutes.
2. Efforts to improve the effective is the improvement of working time and efficiency of work . This work on improving efficiency on a unloading rose to 74,74 % and in conveyance be 85,41 %.
3. The increased production of the improvement of the match factor after conducting of is 751 BCM per hour , however production is insufficient company production target of . It was done the improvement of the working time effective work and efficiency , obtained the production of 803 BCM per hour . This production has meet the target of firm production is 800 BCM per hour.