

## ABSTRACT

### **Performance Evaluation and Productivity Loaders and Transport Tools to Achieve 250.000 Bcm Overburden Production Targets at West Banko Pit 2 PT. Bukit Asam, Tbk. Unit Penambangan Tanjung Enim, South Sumatra**

*PT. Bukit Asam, Tbk is one of the state owned mining companies located in Tanjung Enim, South Sumatra. PT. Bukit Asam has three mining sites, namely Tambang Air Laya (TAL), Muara Tiga Besar(MTB) and Banko Barat. The author's research activities are in Pit 2 Banko Barat. The heavy equipment used is the excavator for loading the Kobelco sk-480 LC excavator and the dump truck hino 260 JD.*

*Data of PT. Bukit Asam, Tbk. The production target for overburden stripping activities in January 2018 is 250,000 bcm / month, while the company's realization data is 229,547.25 bcm / month, and the data analysis that the author obtained during the field is 206,974.02 bcm / month, which can be seen from the data there is no production target. There are several factors that cause production to not be achieved, including: the efficiency of the performance of loading and unloading equipment and transport equipment in the field.*

*Efforts to fulfill the planned production targets can be achieved and an evaluation of the performance of loading and unloading equipment and transport equipment in the field is carried out in the form of effective working hours and equipment efficiency in accordance with company requirements and determination of mine equipment use.*

**Keywords:** *Excavator, Dump Truck, Overburden, Production, Efficiency*