

ABSTRACT

PT . CSD Resources is a gold mining company located in Pandeglang, Banten, using a system of land mines with Cut and Fill method is divided into two blocks of ore production area that is Cikoneng and Cibitung. Production blasting in March some 12 224 wmt of ore grading Au 7.63 gr/ton, ore tonnage transported some 10 455 wmt of ore grading Au 7.89 gr/ton, but the results are in the process of ore 10 484 wmt of ore grading Au 5.97 gr/ton gold with the actual factory production 52,35 kg. Therefore, it is necessary to study and analysis of the difference of the quantity of ore blasting and transported to the quantity and content of the results of the process of refining gold metal .

Based on research data on the location of the code that CBT 1046_XC4_NTH_OD1 with tonnage ore blasting results wmt 149 number and tonnage transported a number of 158,53 wmt, ore transported blasting result there is a difference, this is due to the addition of tonnage of garbage (Rockbolt, wiremesh, wood etc.) 0.85 tonnes and there is the addition of the rest of the previous blasting at the same location approximately 8,76 wmt and the addition of tonnage is caused by digital weightometer and weighing less precession in ROMPad. While data on 15 April with a tonnage of ore blasting 599.55 wmt with Au ore grade is 12.22 gr/ton of ore tonnage there is a difference in the amount of 467.81 wmt transported ore grading Au 9.72 gr/ton. Sampling is done in holes underground mine openings using two methods of sampling (grab sampling and continue chip sampling) and their ore blasting results not transported, which will be transported to the next shift, after the ore will be transported back to the ROMPad sampling, with ore grade Au 5.27 gr/ton, which in ROMPad ore will be processed ore with ore tonnage calculation 452.95 wmt with 51 % solid content determination produces levels of 4.48 gr/ton and based on the data sampling conducted during ore processing The ore can be as big as 5.97 gr/ton.

Trash should be borne separation and reduction of the tonnage transported, taking measurements underground mines in the rest of the ore, perform calibration on the digital weightometer and weighing precision while differences Au ore sampling needs to be done on ROMPad. The calculation of the amount of gold in the factory planning should use the results of sampling data but do not use a solid 51% provision for the calculation of grade and tonnage calculations dmt to use moisture content of 15% .