

ABSTRACT

Reserves Estimation obtained through calculation and analysis of exploration data that have been obtained in the form of data drilling, strike, dip, and thickness of coal. Reserves Assessment conducted in order to determine the estimated amount of tonnage of coal reserves. Locations mapping located in the concession area of PT Primary Minerals Tabalong covering 128.9 hectares, located in Paju District Epat, East Barito regency, Central Kalimantan province.

The purpose of this study was to apply the method of Cross Section in determining the amount of coal reserves and coal resource estimate number of research areas

The method used in this study is by observation in the field, while the method of valuation reserves Cross Section used method by comparing the incremental changes to the guidelines guidelines nearest point

The results are expected to determine the volume of resources in the overburden, Seam A and Seam B, determine the tonnage of coal, and the stripping ratio (SR). The conclusion by using the method of Cross Section with gradual changes guidelines (rule of gradual change), the distance between the incision of 33-394 meters and obtained Reserves Measured (Measured Reserve) was 1,063,082.35 tons Seam A and Seam B is 786 476 , 44 tons, so the total coal tonnage was 1,849,559.04 tons. Obtained overburden volume amounted to 16,121,507 BCM, SR 8,72:1.

Methods Cross Section with guidance closest point (rule of nearest point) to the distance between the incision of 16.5 to 309 meters and earned Measured coal reserves (Measured Resource) is 1,080,008.8 tons Seam A and Seam B is 28788.344,05 ton , so the total tonnage of coal was 1,868,352,85 tons. and overburden volume amounted to 316,293,970 BCM, SR 8,72:1.