

ABSTRACT

Assessment of the reserve obtained through the calculation and analysis of exploration data has been obtained in the form of drilling data, strike, dip, thickness of coal. Assessment of the reserve conducted in order to determine the estimated tonnage of coal reserve. Located in the area Baramega Indonesia Surya Alam area of 12,5 Ha in pit Rinjani, located Serongga village, Kelumpang Hilir subdistrict, Kotabaru district, South Kalimantan Province. The aim in the study is to determine the classification of coal resources and coal reserve, and calculated coal reserve that has not be mined, and determine coal reserve by using Cross Section Method based guidelines Rule Of gradual Changes and Rule Of Nearest Point.

The method use in the research is by observation in the field, while the reserve method use Cross Section Method based guidelines Rule of gradual changes and rule of nearest point. The formula used is the Mean Area (area average). The research results are expected to be able to determine the volume and tonnage of the coal reserve.

The conclusion reached by using method of cross section based guideline Rule Of gradual Changes, done by connecting a cross-sectional one with the other, in order to obtain a volume of 2.229.001,85 BCM and tonnage of coal amounted to 768.249,53 tons. Cross section method based guidelines Rule Of Nearest Point conducted with cross border demarcation way of half the distance between the cross section, in order to obtain a volume of 2.332.149,44 BCM an tonnage of coal amounted to 773.326,13 tons.