

ABSTRACT

PT. Hamparan Mulya is a company engaged have done in mining prospect and now its exploration with IUP which requires the estimation of resources for stage mining plan in location at hajak Village District of Teweh Baru, North Barito regency, Central Kalimantan Province.

Coal Resource estimate at PT. Hamparan Mulya in Block Alfa overlay covering 86.23 hectares used Cross Section Method and Badan Standaritation Nasional Indonesian (BSNI) Method because it is not the large number of coal resources which is owned company.

Resource Estimation Method counted by BSNI Method area by area effect multiplied average thickness of seam and safety factor, resources of amounting to 26,421,407 tons. Resource estimation methods by Cross Section Method is section incisions connect with one another as to form blocks each block cross section bounded by two cross-section incision, resources of amounting to 14,709,807 tons with a volume over burden 144 679 413 m³. Resource estimation methods Cross Section Linear create the effect of a cross-sectional the incision with a length \half distance between the incision left and right of incision, resulting in a single incision there is only one block away. Total resources amounted to 11,034,058 tons with a volume of over burden are 108 490 760 m³. To determine the location calculation of resources based on the results of 13 drill data and affected by three regions of influence is area measured at a distance of 250 meters from the drill point, its indicated distance of 500 meters from the drill, its inferred with a distance of 1000 meters from drilling points cause it have moderate geological conditions.

On the results of resource estimate is expected that company takes tvalue of coal resource volume calculation is smaller as its initial guidance method of Cross Section Linear guided by a gradual change (The Rule Of Nearest Point).