

RESERVES ESTIMATION EXTRACTIVE MATERIAL OF COAL AT PT. LEMATANG COAL LESTARI GUNUNG RAJA KECAMATAN RAMBANG DANGKU KABUPATEN MUARA ENIM SUMATERA SELATAN

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Abstrack

To meet the needs of comodities coal for power plants and PT.Lematang Coal Lestari will be conducting any activity estimates coal deposit, good estimates a quantity (tonnage) or estimates of quality in Gunungraja, kecamatan Rambang Dangku, kabupaten Muara Enim, Sumatera Selatan.

Data that is available from topographical maps and the result gas drilling coal that is taken from 23 a drill hole show of coal in the research area having a thickness varying from 0,4 m – 17,69 m. a general direction layers northwestern - southeastern with a slope that varies between 3° - 10°. The thickness of coal maximum in the drill point GR-20 namely 17,69 meters and the thickness of the minimum is found in the drill point GR-5 namely 0,4 meters. Absence of difference thickness coal estimates caused by the process of weathering and sedimentation on the surface of topography different in every province known that quality coal in the research area calories 3.423 - 5.143 kcal / kg as well as data analysis proximate other. With its field that is hills wavy then was performed efforts assessment coal deposit with Method Cross Section Standard based Rule of Gradual Change and Method Cross Section Linier based Rule of Nearest Point as a compariason.

Based on amendment 1-sni-13-4726-1998, classification coal in the research area including proven reserves. Estimates coal deposit conducted using methods cross section standard obtained tonnage 135.454.296 tons of coal while cross section linear with methods of coal at acquired tonnage 135.084.516 tons. Differences results estimates reserve with the methods cross section standard and methods cross section linear is worth 369.780 tons.

The value of stripping ratio a method of cross section standard based on rule of gradual change is 3,696 : 1 while the value of stripping ratio a method of cross section linear based on rule of nearest point is 3,704 : 1

Old mines of the reserve by method standard cross section is 50 years old mines and reserves with the methods of cross section is linear 50 years

Keywords: Coal, Reserves Estimation, Stripping Ratio, Cross Section Method