

## *Abstract*

*Data sources are obtained from calculations and analysis of detailed exploration data consisting of drilling and mapping data. The Resource Assessment is conducted so that the estimated tonnage amount can be determined. The location of the study was conducted in Kepuharjo Village, Cangkringan District, Sleman Regency, Yogyakarta. Methods Data processing is done by using the Cross Section method which is guided by a gradual change (Rule of Gradual Change) and the closest point (Rule of Nearest Point). Processing results obtained from the calculation of the number of volume resources in m<sup>3</sup>. Based on the assessment of the sand source using:*

- a. The cross section method with the rules of gradual change with a distance between incisions of  $\leq 35$  meters and obtained measured rock sand resources.*
- b. Cross section method with the rule of the closest point with a distance between incisions of  $\leq 19$  meters with measured rock sand resources.*

*The results of the calculation of volume guided by the Rule of Gradual Change amounted to 482.584,84 m<sup>3</sup> and the calculation of volume guided by the closest point (Rule of Nearest Point) was 483.341,57 m<sup>3</sup>.*