

POST-MINING LAND RECLAMATION TECHNIQUES
BASED ON THE LEVEL OF ENVIROMENTAL DAMAGE IN GADING
10 VILLAGE, GADING SUB-DISTRICT, PLAYEN DISTRICT,
GUNUNGKIDUL REGENCY, SPECIAL REGION OF YOGYAKARTA

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ABSTRACT

The research was conducted in Gading 10 Village, Gading Sub-district, Playen District, Gunungkidul Regency, Special Region of Yogyakarta. This location is an area of kalkarenit mining, owned by individuals, with open pit system. The purpose of this research is to knows the level of environmental damage caused by mining activities and provide the appropriate reclamation techniques on post-mining land.

The methods used for this research is survey and mapping, interview, and analysis the parameter. The calculation of parameters is based on the Decree of the Governor of Yogyakarta Special Region No. 63 of 2003 on Criteria for Environmental Damage Risk for Mining Activities or Mining Activities of Group C. The parameters used are the height of excavation wall, basin relief, road condition, mining excavation margin, tops for vegetation, and land cover by vegetation.

Based on the measurement results in the field, analysis and evaluation of the data obtained classification is high damage class. Thus the calcarenite mine in Dusun Gading 10 requires appropriate reclamation techniques and benefits to the surrounding communities as well as miners. In this case appropriate for the area of research is the Cultivation of Catfish and replanting local crops namely papaya tree.

Keywords: Mining Activities, Environmental Damage, Calcarenite Mine, Reclamation.