

**DESIGN OF RECLAMATION TECHNIQUE ON SAND AND ROCK
MINING AREA AT BANDUNGAN VILLAGE, JATINOM
DISTRICT, KLATEN REGENCY, PROVINCE CENTRAL
JAVA**

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ABSTRACT

This research was held in Bandungan Village, Jatinom District, Klaten regency. The location of research in a mining area sand and rock activities conducted with open pit system. The point of this research is to know determine the level of environmental damage cause by mining activities and appropriated design of reclamation techniques.

There are four methods use in this research. The first method used is observation method to know acquainted fields condition. Second method to used is suvey method to acquainted primary data with measurement and observation, from that we hope the environmental damage will be analysis with widing method to acquire the extent of environmental damage based from Keputusan Gubernur DIY No. 63 Tahun 2003. Last methods use laboratory analysis with test chemical-soil in technique purposive sampling. Determination of reclamation and revegetation engineering design using evaluation method that adjusted with landuse in accordance with Spatial Plan of Klaten Regency.

Based on winding method result, level of environmental damage is heavy damaged on problems area. The recommended technique of reclamation is to create a flat terrace, drainage and bundle, planting method which selected is alley cropping pattern by using pot method and plot planting. Plant which selected are corn as dryland farming, teak as pioneer plants and cultivated plant, and vertiver as cover crop.

Keywords: Mining Activity, Land Degradation, Reclamation