

**LEVELS OF PHYSICAL DEGRADED LAND ON THE POST SAND AND
STONE MININGS IN KEPUHARJO VILAGE CANGKRINGAN
DISTRICT SLEMAN REGENCY YOGYAKARTA SPECIAL REGION**

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ABSTRACT

Mining of sand and stone (sirtu) is one of the most common mining activities in the Special Region of Yogyakarta. One of the main functions of sirtu for human life is as a building material and infrastructure. Sirtu mining cannot be separated from the environmental impacts it causes. Efforts to repair ex-mining land are carried out by reclamation to preserve the environment so that it functions according to its designation. The purpose of this study was to determine the level of physical degraded to post-mining land and to examine how to manage land on post-mining land in Sirtu post-mining land in Kaliadem Hamlet, Kepuharjo Village. The method used in this study is a survey method to observe and measure physical degraded, *purposive sampling* to determine sample points at research locations, interviews to obtain additional data, scoring to assign values to parameters, and *matching* to determine the value and class of post-mining land degraded. Based on the Decree of the Governor of the Special Region of Yogyakarta Number 63 of 2003 there are several criteria observed, namely the depth of excavation from the initial soil surface, revegetation cover, and excavation base relief with a low level of degraded. At the time of reclamation, the level of degraded was moderate. The slope of the excavation cliffs, the height of the walls of the excavation, the transportation of excavated materials, road conditions, and the return of topsoil to be managed have a high level of degraded. The results obtained are post-mining sirtu land in Kepuharjo Village getting an average total score of all parameters with a value of 20 which means it is included in the S2 physical degraded class or moderate level of land physical degraded.

Keywords:land physical degraded, mining sand and stone, reclamation.