

**MOH. HARUN AL-RASYID. STUDY OF SOME CHEMICAL PROPERTIES OF STONE SAND MINING WASTE LAND WHICH IS IN DUSUN TEGALPANGGUNG REVEGETATED, GIRIKERTO VILLAGE, DISTRICT TURI, SLEMAN REGENCY YOGYAKARTA. Supervised by Ir. Lelanti Peniwiratri, MP. and Ir. Siwi Hardiastuti EK, SH., MP.**

#### ABSTRACT

*Mining activities resulting in damage to the body of the soil resulting in decreased soil fertility. In Hamlet Tegalpanggung, Grikerto village, Turi district, Sleman are small-scale mining has been done revegetation. The purpose of this study is to examine some of the chemical properties of the land after mining of sand stone that has been revegetated. The location of the research conducted in the hamlet Tegalpanggung, Girikerto village, Turi district of Sleman, Yogyakarta. The study used a survey method to conduct a review and direct observation in the field. The research location is determined purposively based on annual vegetation types, namely plant mango, mahogany, gliriside and sengon, native soil and land revegetated. Soil chemical properties measured were: pH H<sub>2</sub>O, organic C, total N, available P, K-available, KPK. The data were analyzed with RAL diversity. To find the difference between the mean further tested by least significant difference test (LSD) at the 5% significance level for each of the parameters of the chemical properties of the soil. On land revegetation of mined sand stone in Hamlet Tegalpanggung, Girikerto village, Turi district, Sleman, Yogyakarta has not significantly affected the pH H<sub>2</sub>O, organic C, total N, available P and C / N. As for K-available and the CEC has a significant effect compared with soil that has not been revegetated. Revegetation with sengon have a better effect on some soil chemical properties compared to soils revegetated with mango (R2), mahogany (R3), gliriside (R4) and a soil that has not been revegetated. Results revegetation age of 4 years have not been able to fix some soil chemical properties as the original soil conditions .*

*Keywords: Reklamsai with revegetation, be some chemical properties of soil, 6 sample points.*