

**ZONASI KAWASAN TERPAPAR ERUPSI GUNUNG MERAPI  
2010 DI DESA KEPUHARJO SEBAGAI DASAR PENENTUAN  
TINGKAT KESESUAIAN LAHAN UNTUK TANAMAN  
JAGUNG (*Zea Mays* L.)**

**SKRIPSI**



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## **ABSTRACT**

*Mount Merapi is one of the most active volcanoes in the world. Mount Merapi was eruption in 2010, which resulted in around the slopes of Mount Merapi suffered heavy losses. The worst area that gets impact of eruption of Mount Merapi in 2010 is Kepuharjo. The threat of environmental damage and land appeared the potential food insecurity in Kepuharjo and cause of that village has dependence of supply food from other region (Gunawan Budiyanto, 2014). Maize is a local plant that cultivated in Kepuharjo. Sleman District Government (2012) that result of production maize plant occur decrease in Sleman. Because one of center the maize land in Kepuharjo get the eruption of Mount Merapi. The purpose of this research is to determine the zone that get the eruption of Mount Merapi in 2010 as the basic for determining the suitable of land for maize and this is away to improve to increase the productivity of maize plants as a source of local food in Kepuharjo. That method that use is observation method to determine the location of observation, and then determine the sample point with slopes maps. Further/after that, surveys in field and observation in laboratorium. The data that get will be analyzed according to the level of the limiting factor from the characteristic of land according to the rule of Food and Agricultural Organization (FAO). Based on FAO, there are sub classes that suitable of actual land, there are S3-wrp, S3-wp, S3-w and N2-r with the limiting factors is the land qualities of available water (w) like fall of the rain that can improve with arrange timing of plants, added with organic matter and choose of seed that can adapt with drying. The land quality of roating media (r) like efective depth with improvement such make a guludan and texture of the soil can not be repaired and the land quality of land preparation (p) like limitation factor are slopes and the surface of rocks with make a land that like terrace and clean a land with manual method. So, will get the suitable of potential land suitability S3-wr, S3-w and N2-r.*

*Keywords: Land Evaluation, Kepuharjo and Maize*