

ABSTRACT

This research entitled Arabica Coffee Land Suitability Evaluation at South Slope of Mount Merapi Before and After Its Eruption in 2010 was conducted on February-June 2017.

Survey method was applied in this research by collecting primary and secondary data. The primary data consisted of all information of land characteristics and its analysis in laboratory. While the secondary data consisted of all supporting information obtained from the local government.

The research result showed that the land at the south slope of Mount Merapi, Kepuharjo Village was characterized as sandy land, had good drainage, deep effective depth, high cation exchange capacity, low saturation bases, neutral to acid pH, average C-Organic, very low N total, very low P and moderate K. The actual land suitability class of Arabica coffee plants were N-rc1-nr2 with texture and bases saturation (%) as the limiting factors. Texture is possible to be improved by adding organic substance as required by the plants need while bases saturation can be improved by doing liming and adding organic substance to increase land potentials.

Keywords: post-eruption land, Arabica coffee, land suitability