

**STUDY OF MAGNETIC SUSCEPTIBILITY  
AS INDICATOR OF LANDSLIDE  
IN GUNUNG NAGO, PADANG**

**BACHELOR'S THESIS**



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## ABSTRACT

Research has been carried out in order to measure the value of soil magnetic susceptibility as an indicator of landslides in Gunung Nago area. Based on the variations of soil depth, the majority of  $\chi_{FD}$  (%) values for the three depth variations (25, 50, 100 cm) is within range 0.4% to 1.98%. This shows that the soil condition in Gunung Nago almost does not contain superparamagnetic grains (fine grain size), which causes the soil to have more difficulty in absorbing water, thus causing difficulty in lateral motion of the soil (landslides).

Keywords: Magnetic susceptibility, Gunung Nago, grain, landslide

