

**STUDY OF THE CHEMICAL PROPERTIES OF LATOSOL SOIL  
ON MOOR LAND IN PURWOHARJO VILLAGE SAMIGALUH DISTRICT  
KULON PROGO REGENCY**

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**ABSTRACT**

Moorland with latosol soil type has different vegetation which has different soil chemical characteristics. This research aims to determine the differences in the chemical characteristics of latosol soil on each moorland with different vegetation in Purwoharjo Village, Kapanewon Samigaluh, Kulon Progo Regency. This research used survey and purposive sampling methods to determine the sample. The sampling location was on dry land with cassava, peanut and corn vegetation. The results of the analysis were then compared descriptively. The research results showed that the highest average pH value in corn vegetation was 6.83; The highest C-Organic in corn vegetation land was 1.30%; The highest KPK was for corn 23.80 me%; The highest N-Total was in peanut vegetation land, 0.27%; N-Available was highest in cassava and peanut vegetation land 0.03%; P-Available was highest in corn vegetation land, 9.67 ppm; K-Available was highest in cassava fields 0.38%; and the texture of the cassava and peanut fields was sandy loam and the corn fields was clay loam. The nutrient needs of each vegetation are different, so it is necessary to fertilize according to the nutrient needs of the vegetation and soil chemical properties on the land.

**Keywords:** Moorland, Chemical Properties, Latosol