

**" DIRECTION ASSESSMENT OF SUITABILITY OF RECLAMATION  
PLANT IN COAL MINING AREA POST revegetation PT . KAPUAS  
TUNGAL PERSADA ( Persero ) TBK . BLOCK JELIWAN SUPANG  
VILLAGE DISTRICT DISTRICT KAPUAS KAPUAS HULU ,  
CENTRAL KALIMANTAN "**

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**ABSTRACT**

PT . Kapuas Tunggal Persada Kapuas is one of Private Companies ( BUMS ) is engaged in coal mining . The company has a total area of 5,000 ha . For the location of extensive research has 7.74 hectares , which is being carried out reclamation and revegetation .

This study aims to ( 1 ) determine baseline ( landform ) prior to mining activities ( 2 ) determine baseline post- mining ( 3 ) determine the physical quality of the soil chemistry at the study site ( 4 ) identify and define the types of plants used in reclamation activities and post- mining coal revegetation PT Kapuas Tunggal Persada . The method used was a survey method , mapping and laboratory analysis . The method used in this study is the method of survey , mapping and laboratory analysis methods . The parameters used are slope, soil texture , vegetation cover , reclamation efforts , the quality of the soil physical and chemical suitability of plant species used in reclamation activities .

The results showed that the soil conditions in the study area is very low or below the standard of physical and chemical properties of the soil has a pH value of 4:00 ( H<sub>2</sub>O ) and 3.77 ( KCL ) indicates acidic soil . Low nutrient also marked the low organic content of C - (0.58 % ) and N - total ( 00:04 % ) . Steep slope levels capable of triggering erosion and accompanied with a very poor vegetation cover classification based on vegetation cover ( P.60/Menhut-II/2009 ) . Referral management suitable to overcome the low soil chemical properties were liming method , method of slash and burn management of top soil in the study site as a medium to grow plants and also setting the level of a steep slope to a rather steep .

**Keywords :** Mining , Reclamation , Quality Soil Chemical and Physical Properties of Plants Used .