" DIRECTION ASSESSMENT OF SUITABILITY OF RECLAMATION PLANT IN COAL MINING AREA POST revegetation PT . KAPUAS TUNGGAL 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 (H2O) 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.