

**EVALUATION OF THE SUCCESS RATE OF FIVE-YEAR-OLD
REVEGETATION ON COAL MINE LAND
AT WASTE DUMP NINE PT KIDECO JAYA AGUNG
PASER REGENCY, EAST KALIMANTAN**

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ABSTRACT

Revegetation is the activity of planting cover crops, planting fast-growing plants, planting local plants, and plant maintenance. The long-term goal of this activity is to improve microclimate conditions, animal habitats and improve land conditions in a more protective, conservative and productive direction in accordance with its designation. The purpose of this study is to evaluate the success rate of 5-year-old revegetation on former coal mining land in PT Kideco Jaya Agung. The methods used are survey, sampling, scoring and analysis based on Government Regulation Number P.60 of 2009. The parameters used in this study were the area of planting area, growth percentage, number of plants, composition of plant types, and plant health. The revegetation plants used as objects of observation are revegetation with a age of 5 years. The assessment was carried out by a sampling system using a measuring plot that has been determined by PT Kideco Jaya Agung with a sampling intensity of 5% of the total revegetation area and plots measuring 40 m × 25 m. The results of the study showed that the revegetation land was said to be successful with a score of 23 out of a total score of 25. The value of the planting area 5, the value of the plant growth percentage 3, the value of the number of plants 5, the value of the composition of plant types 5, and the value of plant health 5.

Keywords: evaluation of the success rate of revegetation, former coal mine land, revegetation