

ABSTRAK

EVALUASI KEBERHASILAN TANAMAN REBOISASI PADA LAHAN KOMPENSASI PERTAMBANGAN EMAS PT. NATARANG MINING DI KECAMATAN KELUMBAYAN KABUPATEN TANGGAMUS LAMPUNG

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PT. Natarang Mining telah melakukan perjanjian pinjam pakai atas kawasan hutan dengan pemerintah untuk kegiatan penambangan. Sesuai Permenhut No.P.16/Menhut-II/2014, maka PT. Natarang Mining berkewajiban menyediakan lahan kompensasi dan melaksanakan reboisasi. Penyediaan lahan kompensasi telah dilaksanakan seluas 80,10 ha di Kecamatan Kelumbayan, Kabupaten Tanggamus. Kegiatan reboisasi juga telah dilaksanakan pada bulan November 2010 dengan menanam tanaman kayu-kayuan dan tanaman *multi purpose tree species* (MPTS). Penelitian ini bertujuan untuk mengevaluasi keberhasilan tanaman reboisasi. Penilaian ini menitikberatkan pada aspek vegetasi agar diketahui sejauh mana keberhasilan tanaman reboisasi dapat memenuhi fungsi dari suatu kawasan hutan. Hasil penelitian dianalisis secara deskriptif dan skoring menggunakan petak berukuran 25 m x 40 m. Jumlah petak dibuat sebanyak 41 buah dengan intensitas

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sampling 5%. Dari hasil penelitian diketahui pertumbuhan tanaman sudah baik dengan diameter antara 5 - 15 cm dan tinggi antara 4 - 8 m. Jumlah tanaman mencapai 763/ha dan luas area penanaman mencapai 92,38%. Persen tumbuh tanaman untuk 4 dari 5 jenis tanaman reboisasi mencapai > 80%. Sementara itu, jenis mahoni (*Swietenia macrophylla*) memiliki persen tumbuh 66,43% dan kesehatan tanaman reboisasi sebesar 71,49%. Sesuai Permenhut No.P.60/Menhut-II/2009, status keberhasilan tanaman reboisasi dikatakan berhasil. Hal ini diperoleh dari hasil perhitungan total nilai mencapai 82,93 atau sudah tergolong baik.

Kata Kunci : Evaluasi, Lahan kompensasi, PT. Natarang Mining.

ABSTRACT

EVALUATION SUCCEEDED OF REFORESTATION AT COMPENSATION FOR GOLD MINING LAND PT. NATARANG MINING IN DISTRICT KELUMBAYAN REGENCY TANGGAMUS LAMPUNG

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PT. Natarang Mining has done a leasing agreement with the government over forest land for mining activities. According to Permenhut No.P.16/Menhut-II/2014, PT. Natarang Mining to provide compensation land and do the reforestation. Compensation land has been provided in the area of 80.10 ha in Kelumbayan District, Tanggamus Regency. Reforestation activities have also been held in November 2010 by planting woody plants and *multi purpose tree species* (MPTS). The research have a purposed to evaluate the success of reforestastion plants. This assessment focus on aspects of vegetation in order to know the extent to which the success of reforestation plants can fulfill the function of a forest area. The result were analized by descriptive and scoring using 25 m x 40 m plots. Total plot of 41 plots with a intensitas sampling 5%. From this research have plant growth has been good with a diameter of 5 - 15 cm and height

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between 4 - 8 m. The number of plants reached 763/ha and realization of the planting area reached 92,38. Percentage of plant growth for four of five types of reforestation plants also achieve > 80%. Meanwhile, Mahoni (*Swietenia macrophylla*) has 66.43% growth and healthy of reforestastion plants is 71.49%. According to Permenhut No.P.60/Menhut-II/2009, the status of reforestastion activities is success. It is obtained from the calculation of the total value reached 82.93 or belongs to good category.

Key words : Compensation land, Evaluation, PT. Natarang Mining.