

**PENILAIAN KEGIATAN REKLAMASI TAHAP PENATAGUNAAN LAHAN
DAN REVEGETASI DI AREA REKLAMASI PIT UTARA
PT. X, SUMATERA SELATAN**

Oleh:

Salsabilla Intan Maharastu

114210122

INTISARI

PT. X yang berlokasi di Kecamatan Rawas Ilir, Kabupaten Musi Rawas Utara, Provinsi Sumatera Selatan, merupakan perusahaan yang bergerak di bidang pertambangan batubara dengan sistem tambang terbuka. Berdasarkan Keputusan Menteri ESDM No. 1827 K/30/MEM/2018, perusahaan wajib melakukan kegiatan reklamasi. Penelitian ini bertujuan untuk menilai hasil pencapaian kegiatan reklamasi tahap penatagunaan lahan, menilai hasil pencapaian kegiatan reklamasi tahap revegetasi, dan memberikan rekomendasi arahan pengelolaan lanjutan berdasarkan hasil penilaian kegiatan reklamasi di area reklamasi Pit Utara PT. X.

Metode penelitian ini adalah survei dan pemetaan lapangan. Teknik *purposive sampling* digunakan untuk mengambil sampel tanah di area reklamasi dan tanah yang masih asli, *simple random sampling* digunakan untuk penentuan plot dalam pengukuran tumbuh tanaman menggunakan ukuran petak sebesar 40 x 25 m, dan *non-destruktif sampling* digunakan untuk mengukur standar kesehatan tanaman. Analisis matematis digunakan pada penelitian ini untuk menghitung nilai pencapaian kegiatan reklamasi berdasarkan persentase parameter yang dicapai. Analisis laboratorium digunakan untuk menguji kesuburan sampel tanah dengan parameter C-Organik, KTK, N, P, dan K total. Metode skoring digunakan untuk memberikan penilaian kategori pada setiap parameter yang mengacu sesuai Keputusan Menteri ESDM No. 1827 K/30/MEM/2018.

Hasil penelitian menunjukkan bahwa capaian kegiatan reklamasi pada area Pit Utara pada tahap penatagunaan lahan memperoleh nilai 57,75% dari bobot 60%, yang mencerminkan kondisi lahan telah ditata dengan baik meskipun masih ditemukan erosi alur dan saluran drainase yang belum berfungsi optimal. Tahap revegetasi memperoleh nilai 18,25% dari bobot 20%, dengan parameter yang belum terpenuhi meliputi belum terealisasi tanam penutup dan kesuburan tanah masih rendah. Jika digabungkan, kedua tahapan tersebut menghasilkan nilai 76% dari total bobot 80%, yang termasuk kategori baik tetapi belum maksimal karena tahap penyelesaian akhir 20% belum dapat dinilai akibat umur reklamasi yang masih baru. Arahan pengelolaan untuk area reklamasi Pit Utara yaitu penanaman tanaman penutup, perbaikan kualitas kesuburan tanah, pembuatan dimensi saluran drainase, dan penentuan jarak tanam (2×1 meter) tanaman penutup di area lereng teras.

Kata Kunci : Kesuburan Tanah, Penatagunaan Lahan, Reklamasi, Revegetasi

**ASSESSMENT OF RECLAMATION ACTIVITIES IN THE LAND USE
PLANNING AND REVEGETATION STAGE IN THE NORTH PIT
RECLAMATION AREA PT. X, SOUTH SUMATRA**

By:

Salsabilla Intan Maharastu

114210122

ABSTRACT

PT. X, located in Rawas Ilir District, North Musi Rawas Regency, South Sumatra Province, is a company engaged in coal mining with an open pit system. Based on the Decree of the Minister of Energy and Mineral Resources No. 1827 K / 30 / MEM / 2018, the company is required to carry out reclamation activities. This study aims to assess the results of the achievement of reclamation activities at the land use stage, assess the results of the achievement of reclamation activities at the revegetation stage, and provide recommendations for further management directions based on the results of the assessment of reclamation activities in the North Pit reclamation area of PT. X.

This research method is a survey and field mapping. Purposive sampling technique is used to take soil samples in the reclamation area and the original soil, simple random sampling is used to determine the plot in plant growth measurements using a plot size of 40 x 25 m, and non-destructive sampling is used to measure plant health standards. Mathematical analysis is used in this study to calculate the achievement value of reclamation activities based on the percentage of parameters achieved. Laboratory analysis is used to test the fertility of soil samples with parameters of C-Organic, CEC, N, P, and total K. The scoring method is used to provide a category assessment for each parameter that refers to the Decree of the Minister of Energy and Mineral Resources No. 1827 K / 30 / MEM / 2018.

The results of the study indicate that the achievement of reclamation activities in the North Pit area at the land use stage obtained a value of 57.75% of the weight of 60%, which reflects that the condition of the land has been well arranged although there are still erosion grooves and drainage channels that are not functioning optimally. The revegetation stage obtained a value of 18.25% of the weight of 20%, with parameters that have not been met including the unrealized of cover crops and low soil fertility. When combined, the two stages produce a value of 76% of the total weight of 80%, which is included in the good category but not optimal because the final completion stage of 20% cannot be assessed due to the still new age of the reclamation. Management directions for the North Pit reclamation area are planting cover crops, improving the quality of soil fertility, making drainage channel dimensions, and determining the planting distance (2 × 1 meter) of cover crops in the terrace slope area.

Keywords: Soil Fertility, Land Use Planning, Reclamation, Revegetation