

## ABSTRACT

PT. Triaryani is a company engaged in coal mining and has an area of Mining Business License (IUP) exploration area of 2,143 Ha. The mining activities are planned to be implemented in three pits, namely Pit A, Pit B, and Pit C. Pit A is completed mined area and this area should be reclaimed in order to return the appropriate designation.

PT. Triaryani located in village Beringin Makmur II and Tebing Village, District Rawas Ilir, District Musi Rawas North, South Sumatra Province. To reach the study site can be reached by plane to Lubuk Linggau and followed by land transportation to the site of PT. Triaryani.

A pit mined land must be arranged in such a way appropriate topographical conditions. Land wherever possible laid up flat and on slopes made terraces aimed at reducing the flow velocity of runoff. Structuring topsoil performed by a method capable of meeting the technical aspects, among others, does not exceed the availability of top soil, involving the local workforce and may be growing media for plants and plant cover core.

Land arrangement by forming bench terraces, inside form of bench terraces making of terrace should consider the technical standard bench terraces, among others: terrace benches made parallel to contour by cutting the slopes, then smoothed forming such a bench. To prevent erosion on the embankment slope made parallel to contour bench terrace with a slope of 30 °, 6 meters wide and 10 meters high. On terrace bench also made tamping the height and width  $\pm$  20 cm and planted with grass as reinforcement terrace.

The result is that the mined land will be laid out to have a slope  $<8\%$  and on slopes made bench terraces. Structuring of top soil was conducted by planting hole pot or pot with dimensions of 50 x 50 50 cm and a plant spacing 3 x 3 m with total number of pots 7444 pots/ ha. As for erosion control will be creating an open channel and planting cover crops.

Overburden volume will arranged by 369 600 m<sup>3</sup>. Total topsoil required 930.3 m<sup>3</sup>. Planning activities topsoil cover beginning with ground leveling and smoothing followed by 0.5 m thick top soil.