KESESUAIAN LAHAN BEKAS TAMBANG UNTUK BUDIDAYA TANAMAN KALIANDRA MERAH (*Calliandra calothyrsus*) DAN TANAMAN INDIGOFERA (*Indigofera tinctoria*) DI PT. SEBUKU IRON LATERITIC ORES (SILO), KALIMANTAN SELATAN

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ABSTRAK

Revegetasi lahan bekas tambang penting dilaksanakan dengan memperhatikan kesesuaian lahannya. Tanaman yang dapat dikembangkan di lahan bekas tambang yaitu tanaman leguminosa seperti tanaman Kaliandra Merah dan tanaman Indigofera. Penelitian dilaksanakan di lahan bekas tambang PT. Sebuku Iron Lateritic Ores, Kalimantan Selatan. Tujuan penelitian ini adalah (1) Mengetahui kesesuaian lahan bekas tambang untuk tanaman Kaliandra Merah dan tanaman Indigofera; (2) Mengetahui faktor pembatas yang dapat menghambat pengembangan tanaman Kaliandra Merah dan tanaman Indigofera; dan (3) Menyusun peta kesesuaian lahan bekas tambang untuk budidaya tanaman Kaliandra Merah dan tanaman Indigofera. Metode penelitian yang digunakan yaitu metode survei dengan observasi lapangan untuk pengamatan *landform* dan analisis laboratorium pada sifat fisik dan kimia tanah. Penentuan titik sampel dilakukan secara *purposive sampling* pada setiap satuan sistem lahan. Hasil kesesuaian lahan aktual untuk tanaman Kaliandra Merah dan tanaman Indigofera pada lahan bekas tambang PT. Sebuku Iron Lateritic Ores adalah N (eh-15.4) seluas 3,32 ha (0,15%), N (eh-16.4) seluas 241,94 ha (10,70%), N (eh-15.3, 16.4) seluas 132,48 ha (5,86%), dan N (eh-15.4, 16.4) seluas 58,36 ha (2,58%). Kesesuaian lahan potensial untuk budidaya tanaman Kaliandra Merah dan tanaman Indigofera pada lahan bekas tambang PT. SILO yaitu S2 (eh-15.2) seluas 3,32 ha (0,15%), S2 (eh-16.2) seluas 161,23 ha (7,13%), S2 (eh-16.2 ; lp-19.2) seluas 80,71 ha (3,57%), S2 (eh-15.2, 16.2 ; lp-19.2) seluas 114,36 ha (5,06%), dan S2 (eh-15.2, 16.2 ; lp-19.2, 20.2) seluas 76,48 ha (3,38%), dan terdapat bukan area efektif seluas 1.825,23 ha (80,71%). Kesesuaian lahan aktual bekas tambang PT. Sebuku Iron Lateritic Ores yaitu tidak sesuai (N) dengan faktor pembatas bahaya erosi, serta kesesuaian lahan potensialnya yaitu sesuai (S2) dengan faktor pembatas bahaya erosi dan penyiapan lahan.

Kata Kunci : Indigofera, Kaliandra Merah, Lahan Bekas Tambang, Laterit

SUITABILITY OF EX-MINED LAND FOR CULTIVATION OF RED CALIANDRA (Calliandra calothyrsus) AND INDIGOFERA PLANT (Indigofera tinctoria) AT PT. SEBUKU IRON LATERITIC ORES (SILO), SOUTH KALIMANTAN

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ABSTRACT

Revegetation is important on ex-minied land by took into account the suitability of the land. Plants that can be developed on ex-mined land are leguminous plants such as the Red Caliandra plant and the Indigofera plant. The research was carried out on the ex-mined land of PT. Sebuku Iron Lateritic Ores, South Kalimantan. The aims of this study were (1) to determine the suitability of ex-mined land for Red Caliandra and Indigofera plants; (2) Knowed the limiting factors that can inhibit the development of Red Caliandra plants and Indigofera plants; and (3) Prepared a map of the suitability of ex-mined land for the cultivation of Red Caliandra and Indigofera plants. The research method used was a survey method with field observation for landform observation and laboratory analysis on soil physical and soil chemical. Determination of the sample point was done by purposive sampling for each land system unit. The actual land suitability results for Red Caliandra and Indigofera plants on ex-mined land of PT. Sebuku Iron Lateritic Ores was N (eh-15.4) of 3,32 ha (0,15%), N (eh-16.4) of 241,94 ha (10,70%), N (eh-15.3, 16.4) of 132,48 ha (5,86%), and N (eh-15.4, 16.4) of 58,36 ha (2,58%). The suitability of the potential land was S2 (eh-15.2) of 3,32 ha (0,15%), S2 (eh-16.2) of 161,23 ha (7,13%), S2 (eh-16.2 ; lp-19.2) of 80,71 ha (3,57%), S2 (eh-15.2, 16.2 ; lp-19.2) of 114,36 ha (5,06%), S2 (eh-15.2, 16.2 ; lp-19.2, 20.2) of 76,48 ha (3,38%), and there was non-effective area of 1.825,23 ha (80,72%). The actual land suitability of ex-mined land PT. Sebuku Iron Lateritic Ores for Red Caliandra and Indigofera plants was not suitable (N) with the limiting factor of erosion hazard, and its potential land suitability is suitable (S2) with the limiting factor of erosion hazard and land preparation.

Keywords: Indigofera, Red Caliandra, Ex-Mined Land, Laterit