

***Evaluation of Land Suitability for Durian in Cirumput Village, Cugenang***

***Sub-District, Cianjur Regency***

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**ABSTRACT**

*Cugenang sub-district will develop durian plantations, but it is not yet known the potential based on land suitability. An area of 8 hectares of village area out 595,110 hectares has been planted with ochi durian and musang king durian as the first step of durian development in other locations in Cirumput Village. This study aims to evaluate the level of land suitability for durian in Cirumput Village. The method used in this research is survey method by sampling point, namely purposive sampling. Sample points are determined based on Land System Map (PSL) resulting from land type map overlay, slope map and land use map. This research produced a land suitability referral map with matching system between land characteristics and land suitability criteria for durian. The parameters measured include average temperature, water/rainfall availability, drainage, rough materials, soil depth, erosion hazard, slope, flood/puddle hazard, H<sub>2</sub>O pH, rocks on the surface, rock outscaping, texture, soil KPK, alkaline, and C-organic. The research results suggest that Cirumput Village has several classes of land suitability for durian, namely S3wa covering an area of 76.8 ha or about 28.3%, S3waeh covering an area of 187.4 ha or about 69.2% and Neh covering an area of 6.3 ha or about 2.5%.*

***Keywords: land Suitability, Durio zibethinus Murr***

**Evaluasi Kesesuaian Lahan Untuk Tanaman Durian Di Desa Cirumput  
Kecamatan Cugenang Kabupaten Cianjur**

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**ABSTRAK**

Kecamatan Cugenang akan mengembangkan perkebunan tanaman durian, namun belum diketahui potensinya berdasarkan kesesuaian lahan. Lahan seluas 8 hektar dari luasan desa 595,110 hektar telah ditanami tanaman durian ochi dan durian musang king sebagai langkah awal dari pengembangan tanaman durian di lokasi lainnya di Desa Cirumput. Penelitian ini bertujuan untuk mengevaluasi tingkat kesesuaian lahan untuk tanaman durian di Desa Cirumput. Metode yang digunakan pada penelitian ini adalah metode survei dengan pengambilan titik sampel yaitu purposive sampling. Titik sampel ditentukan berdasarkan Peta Sistem Lahan (PSL) yang dihasilkan dari overlay peta jenis tanah, peta kemiringan lereng dan peta penggunaan lahan. Penelitian ini menghasilkan peta arahan kesesuaian lahan dengan matching system antara karakteristik lahan dengan kriteria kesesuaian lahan untuk tanaman durian. Adapun parameter yang diukur meliputi temperatur rerata, ketersediaan air/curah hujan, drainase, bahan kasar, kedalaman tanah, bahaya erosi, kemiringan lereng, bahaya banjir/genangan, pH H<sub>2</sub>O, batuan di permukaan, singkapan batuan, tekstur, KPK tanah, kejenuhan basa, dan C-organik. Hasil penelitian menunjukkan bahwa Desa Cirumput memiliki beberapa kelas kesesuaian lahan untuk tanaman durian yaitu S3wa seluas 76,8 ha atau sekitar 28,3%, S3waeh seluas 187,4 ha atau sekitar 69,2% dan Neh seluas 6,3 ha atau sekitar 2,5%.

***Kata kunci : Kesesuaian lahan, Durio zibethinus Murr***