ABSTRACT

LAND SUITABILITY EVALUATION FOR ROBUSTA COFFEE PLANT
(*Coffea canephora* L.).) AT CIBEUREUM SUB-DISTRICT,
TASIKMALAYA CITY

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Robusta coffee (Coffea canephora L.) is a strategic commodity that will be developed in Cibeureum District, Tasikmalaya City. Land suitability evaluation is a way to find out the limiting factors in land. The research method used is a method of comparing the characteristics/quality of the land with the growing conditions of the plants being evaluated. The purpose of the study was to determine the level of land suitability for robusta coffee (Coffea canephora L.) in Cibeureum District. The research was carried out in the Cibeureum District and the Laboratory of the Department of Soil Science & Land Resources of IPB University from November 2020 to March 2021. The research parameters tested were derived from primary data (temperature, oxygen availability, root media, nutrient retention, available nutrients, erosion hazard level , and land disclosure) and secondary data (administrative maps, rainfall maps, soil type maps, land use maps and slope maps). The results showed that some areas of Cibeureum District belong to class (suitable) for robusta coffee plants with limiting factors of oxygen availability, erosion hazard and nutrient retention, for the actual land suitability class for robusta coffee plants according to marginal (S3) with limiting factors, namely available nutrients, oxygen availability, root media, erosion hazard level and nutrient retention.

Keywords: Land evaluation, Coffee (*Coffea canephora* L.), Cibeureum District