

**THE SUITABILITY OF LAND FOR EUCALYPTUS PLANTS IN
PRODUCTION FOREST AREA RPH BLIMBING BDH PANGGANG
GUNUNGKIDUL REGENCY SPECIAL REGION OF YOGYAKARTA**

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ABSTRACT

Eucalyptus is one of the production forest plants that has various derivative products that will be developed in the RPH Blimbing BDH Panggang Production Forest Area. The purpose of this study was to determine the characteristics of land and the level of land suitability for eucalyptus plants and got a map of land suitability for eucalyptus plants in the RPH Blimbing BDH Panggang Production Forest Area, Gunungkidul Regency. The research method used in this study was a survey method with field observation, analytion laboratory analysis and matching. Determination of sample points using the purposive sampling method based on land map units obtained from overlaying plant area maps, land use maps, and slope maps. The results showed that the actual land suitability class was S2 (Moderately suitable) covering an area of 2,3 ha (5,47%), S3 (Marginally suitable) covering an area of 36.57 ha (86,64%), N1 (Not suitable) covering an area of 0.05 ha (0.11%), while for the potential land suitability class results for eucalyptus plants are S1 (Highly suitable) covering an area of 21.63 ha (51.36%), S2 (Moderately suitable) with an area of 17.24 ha (40.95%), S3 (Marginal suitabel) with an area of 0.05 ha (0.11%) with a limiting factor of erosion hazard and slope. Production Forest Area of RPH Blimbing BDH Panggang Gunungkidul Regency, covering an area of 38,86 ha (92,28%) has the potential for the development of eucalyptus plants.

Keywords: Eucalyptus, production forest, land suitability