

ABSTRACT

Martinus Kamunop (NPM 201441201011) The Evaluation of Land Suitability for Peanut and Corn Plants in Gurinda Jaya Village, Jagebob District, Merauke Regency. (Supervised by **Yosefina Mangeri** and **Parjono**)

The purpose of this study was to evaluate the suitability of land for peanuts and corn in Gurinda Jaya Village, Jagebob District, Merauke Regency. The research was carried out from July 2020 to August 2020. The location of the research was in Gurinda Jaya Village, Jagebob District, Merauke Regency. The materials used in this study were Map of Gurinda Jaya Village, Rainfall data 10 (2011-2020), Humidity data, temperature data, Morphological data of Gurinda Jaya village, Soil samples. The suitability parameters for Peanut and Corn plants include temperature, month dryness, rainfall, soil drainage, texture, CEC, wet saturation, pH, C-Organic, salinity, total alkalinity-N, P_2O_5 , K_2O , land suitability class consists of class S1 (very suitable), S2 (fairly suitable), S3 (marginally suitable), N1 (not suitable).

The results showed peanut plants on paddy/moor land, scrub land and dry land forest obtained a marginal suitability land suitability class (S3) for peanut plants with nutrient retention limiting factor (f) with limiting factors, namely nutrient retention (f) and available nutrients (n) land suitability class for corn plants, in paddy fields/moorlands according to marginal (S3) with limiting factors nutrient retention (f), available nutrients (n) for arable land shrubs and dry land forest are not suitable at this time (N1) with limiting factors the availability of Nutrients (n).

Keywords: *corn, peanut, land*

