

ABSTRACT

*The research conducted in Puger Sub-district of Jember Regency from January 2017 to May 2017. The research aimed to establish the characteristics of coastal sand and evaluate the suitability of coastal sand land in Puger District for the development of sesame crop (*Sesamum indicum* L.).*

This research was conducted using survey method to get primary data and secondary data. Primary data is the land characteristic data results directly in the field and in laboratories and secondary data is supporting data obtained from the results tracing to various government agencies related to the research.

The results of laboratory analysis indicate that the land in area is textured sand clay, soil drainage is very fast, the effective depth is very shallow to medium, low salinity, low soil cation exchangeable capacity, high base saturation to very high, slightly acidic and neutral, C-Organic is very low, very low total N content, low P and K content. Based on the characteristics of the land, the area has an actual land suitability class of sesame plant is S3oa with limiting factor of soil drainage. Improvement efforts can be in the form of organic material application, sub-surface mulching and zeolite rock application into coastal sand.

Keywords: Coastal Sand Land, Sesame Crops, Land Suitability.