ABSTRACT

This research entitled "Evaluation of Conformity of Samas Beach Sand Land for Red Onion Cultivation (Allium Ascalonicum L)", was done from in January 2017 up to May 2017.

This research was conducted using observation method through the collection of primary and secondary data. Primary data is data obtained directly in the field or in the laboratory, while secondary data is data obtained through literature study as supporting primary data.

The result showed that coastal land of Sanden had sandy texture, soil drainage was very rapid, shallow depth of soil, low to very low cation exchangeable capacity, medium to low saturation, slightly acidic to neutral pH, low C-organic, very low to medium N-total content low to medium P_2O_5 content very high to medium K_2O content, very low salinity. Based on soil characteristics and supporting data, land suitability grade of actual red onion plants is S3wa, rc with rainfall, drainage, and texture as limiting factors. The suitability of potential land red onion is S3 which means samas beach sand is included in the land that is sufficient in accordance with the limitations of water availability and rooting media.

***Keywords**: land evaluation, beach sand, onion.*