

A WEBSITE CALCULATION INFORMATION SYSTEM FOR ALLOCATION OF PAJALE CROPS

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ABSTRACT

Farmers who do not know the water requirements for their plants based on the age of their plants will cause a decrease in productivity. Then conflicts often occur between land owners regarding the water which is needed for their crops, because there are some farmers who are wasteful in using water for their crops, farmers do not take into account the water need according to the land, the type of plant, and the age of the plant. To assist farmers in overcoming these problems, a Website Calculation Information System for Allocation of Pajale Crops is made to make it easier for farmers and the ulu-ulu (people who share water in rice fields) to determine the water requirements for their plants based on the type of plant and the age of the plant. By inputting land area, plant species, plant age and planting month, with a potential evaporation formula, the potential evaporation formula is a value which describes the needs of the environment, a set of vegetation, or an agricultural area. So, It will produce according to water requirements for a certain area of land, type of plant, and age of plants.

Keywords: Water Allocation, Irrigation, Information Systems, Pajale Plants, Websites