Abstract

Cows farm, especially in Java’s Island still be done by traditional method. Most of people breed some cows in the same building by their house. This condition can’t maximization some profits. Different by some countries, such as New zealand, Australia, USA and others. They breed some cows in opened areas like grasslan, so the livestock can get some grasses by them. To get that condition is needed some research aboute analysis of potential area of cows farm. So that this research is so needed to do.

This research uses remote sensing technology and Geographic information system method. To determine the area that has cows farm potential scorr based onlivestock grass is used landsat 2002,2006 and 2009, and then all of them were accumulated and finally potential scorr is gotten. Another condition that was attended are livestock grass, topografy, rain fall, transportation, field, wind ward,and houses.

Final products of this research are scorr of potential cows farm in every subdistrict in Bojonegoro and map of cows farm in Balen as subdistrict that get highest scorr than the other subdistrict in Bojonegoro

Keywords : windward, rainfall, topografy, grass livestock, cows farm, scorring