

INTISARI

Penelitian dilakukan di Kabupaten Cilacap, Jawa Tengah bertujuan untuk mengetahui laju konversi lahan pertanian di Kabupaten Cilacap menggunakan data satelit berupa citra tahun 2008-2018. Penelitian dilakukan dari bulan Januari 2019 hingga maret 2019. Penelitian dilakukan menggunakan metode Klasifikasi Terbimbing atau (*Supervised Classification*) untuk mendapatkan peta laju konversi lahan pertanian.

Laju konversi lahan Kabupaten Cilacap dari tahun 2008-2018 mengalami fluktuasi. Persentase hutan lahan basah mengalami penurunan mencapai 73,61%, hutan lahan kering mengalami penurunan mencapai 77,8 %, lahan sawah irigasi mengalami penurunan mencapai 26,22 % dan lahan non-pertanian mengalami kenaikan mencapai 153,00 %. Naiknya lahan non pertanian akan mengakibatkan terancamnya ketersediaan lahan sawah dapat mempengaruhi ketersediaan pangan.

Kata Kunci: Alih Fungsi Lahan, GIS, *ENVI*

ABSTRACT

The research was conducted in Cilacap Regency, Central Java aims to find out the rate of conversion agricultural land in Cilacap Regency using satellite data in the form of 2008-2018 images. This research carried out from Januari until March 2019. This research was conducted by supervised classification method for get the rate of conservation agricultural land map.

Rate of conversion agricultural land in Cilacap regerency had been fluctuating from 2008-2018. Percentage of wetland forest was decrease until 73,61%, dryland forenst was decrease until 77,8% invigation agricultural land was decrease until 26,22%, and non agricultural land was increase until 153,00%, increasing of non agricultural land threatening agricultural land availability, also threatering food availability.

Key word : Land functional changed. GIS , ENVI