CONTROLLING LAND CONVERSION FROM AGRICULTURE TO PALM OIL PLANTATION IN SIAK REGENCY – RIAU

Name : Ikhlas Saily
Nrp : 3607 100 027
Subject : Urban and Regional Planning
FTSP-ITS
Advisor : Ir. Heru Purwadio, MSP

Abstract
The conversion from agriculture to oil palm plantation in Siak Regency has negative implications on the decline of rice production. It is caused by high conversion from agriculture to oil palm plantation, thus giving effect to the decreases in the amount of agricultural land and in the area of paddy-field.

This research aims to formulate the concepts of controlling land transfer function from agriculture to oil palm plantation in Siak Regency. The first stage analysis is the identification of the factors that cause the conversion from agriculture to palm oil plantation by using descriptive analysis and delphi, the second stage is typology formulation of land transfer function by using cluster analysis, and the third is formulation of its concept control by using analysis Expert Judgement.

Based on the results of this research, the factors that cause the conversion of land transfer function from agriculture to palm oil plantation are the low economic value of farm field, availability of water resource to support agricultural activity and policy. As for the concepts of controlling transfer function are to provide incentive for owners who preserve their agricultural lands and dicentive for farmers who has been transferred their lands.

Key Words : Control; Conversion; Land