

ABSTRACT

Indonesia is one of the most fertile countries in the world. Indonesia has natural resources which are very rich. The advantages of this beloved country are need to be maximize. But in fact, Indonesia has not been able yet to show itself as a "leader" in export of its agriculture products. Learn from countries that have been able to show products of its agriculture, we know that those countries are able to utilize information technology and mechanical tools effectively, so it can be maximally exploring source of wealth without ignoring the norms of the ecosystem for the preservation of natural resources .

On the other hand the availability of information and communication technology infrastructure in Indonesia has been possible to be used to help build the information systems necessary for smooth operations and systems for the purposes of statistical data or managerial reporting systems.

In this project would be designed a web-based information systems and GIS. The information displayed in the form of a description of the PTPN's oil-palm plantation, notifications (reminders) on agricultural activities include harvesting for any divisions associated with that production activities through SMS Gateway, information systems for statistical data, and a system of managerial reporting (monthly or annually), as well as a map of oil palm plantations by using GIS.

The results of the project is expected to generate an information system which could improve the performance of PT PN Nanggroe Aceh Darussalam in managing natural resources especially in oil palm plantations.

Keywords: Oil Palm Plantations, Georafis Information Systems, Information Systems, Web.