

ABSTRACT

Pabrik Gula (PG) Poerwodadie is a factory that produces sugar. PG Poerwodadie was founded by "Hindia Belanda" Government in 1832 that named Nederland Hender Maarschafir (NHM) and located at Pelem Village, Karangrejo Sub-District, Magetan District, East Java Province. But on February, 14th 1996. PTPN Nusantara XI was lead by Board that is located in Merak, 1st Surabaya. PG Poerwodadie's farm area is spread along Madiun Residency.

Geographic Information System consists of spatial and textual data in which it's purpose to present geographic information that cover objects on the surface and inside of the earth. Representation of this system according to user needed.

According to explanation above, so built up Application of GIS for Mapping of Sugarcane Plantations in PG Poerwodadie Magetan. Development system involve PG Poerwodadie Magetan as user and also data provider in which is needed on development system.

This GIS carthograph application is expected to help representing of data and simplify the factory to monitore the region of company.

This application is based on desktop that build using Mapinfo Professional 9.0, Borland Delphi 7.0, Ms. Access 2003.

Keyword: GIS of application, mapping area, PG poerwodadie magetan