Abstract

Telkom Institute of Technology consists of several components of the organization to run its activities. In the daily activities of these components exchange information with one another. Submission of information is usually done by using posters or announcements posted in board, brochures, or using SMS. For a public information or news, the delivery in this way has the disadvantage that there is a possibility the news was not delivered to those who need.

Utilizing the existing computer network infrastructure in IT Telkom can be made web-based applications to accommodate existing local news. This application will build community to input and evaluate news. To be part of this community users must register. This community that determines the category, commenting, and assess the existing news. News data stored by this application may be accompanied by news location. This location is represented as dots on a map of campus IT Telkom.

Application is made by using the Django *web framework*, PostgreSQL for the database with PostGIS extensions to handle *spatial data*, and OpenLayers to display maps in web pages. This application can present the list of news that have been grouped according to desired criteria.

Keywords: News, Django, GIS, *Reputation System*.