ABSTRACT

Management of population data is an important matter in a government agency, such as at the village level. This is related to data on population growth in an area. This final project discusses the management of population mutation data and submission of population mutations. Submission of residents' mutations utilizes the SMS feature as a notification to citizens and submission through the website. The use of SMS makes it easy for each user of the application to get notifications. In addition to utilizing the SMS Gateway, this application can create reports and certificates needed by village employees by taking from the data submitted by residents. This application is made using UML modeling. While the programming language used is PHP with the CodeIgniter framework and the database used by MySQL. The results of this design are in the form of web-based applications that focus on processing population mutations and making certificates.

Keywords: Population Movements, Validation, SMS Gateway, Report.