ABSTRACT

DESIGN SOFTWARE AS A SERVICE (SaaS) ON EPUSKESMAS BASED ON CLOUD COMPUTING

By

DEDE PATMAWATI

10108234

Public Health is one of SKPD in the Bandung City Government in charge of the construction of Health, details the basic tasks official function as institutions of technical services. While the clinic is a functional organization that organizes health effort that is comprehensive, integrated, equitable, acceptable and affordable to the public. The problems that occur in the health centers and the health department is patient registration, patient data archiving, as well as for archiving medical records are all still done conventionally. While his service is the issue of the difficulty of the information obtained from each health center, then reporting slowness in getting the services of each clinic.

By looking at the problem, we need a system that can handle the existing problems by building EPuskesmas and one technology that can support the speed in accessing data, cloud computing is the right solution to be used so as to build a system based on cloud computing EPuskesmas as service software as a service (SaaS) that has been provided by the Health Department that is intended for all health centers.

Based on the results of testing with alpha testing as a whole, lead to the conclusion that the application has been built to meet the functional requirements. And from beta testing that has been done is to test the calculation of response categories choice questionnaire that has been distributed in the field could be concluded that the application is built makes it easy to manage administrative data centers that exist in the health center and enable the Health Department to investigate reports of each clinic.

Key Words : Public Health, Clinic, Cloud Computing, Software as a Service, EPuskesmas