

ABSTRACT

Puskesmas is one of the public health services that serves as a place for counseling, prevention and recovery of public health efforts. Therefore, it is necessary to improve the quality of the compiled system, which in Puskesmas Paseh in data storage cannot be done anywhere and is still fixated on the media such as hard disks, flash disks or hardware in the health center. So it lacks in flexibility and is very vulnerable to loss, security, and damage that can interfere with service at the Puskesmas. To overcome these problems, a cloud storage system is needed.

Cloud storage is the development of cloud computing. With the application of cloud computing, storage is done online on a virtual server. With a cloud storage system easier storage and many advantages.

In this final project the author has designed a cloud storage system with owncloud as a storage and web application for puskesmas. from the test results, all data storage carried out by the Paseh puskesmas will be centrally concentrated on one server and the results of measurements of access speed when uploading are 445,542Kb / s, 326,057Kb / s, and 104,725Kb / s.

Keywords: Cloud computing, Cloud storage, Virtual server, Owncloud.