

ABSTRACT

Universality of http protocol has been interest from software developers to create applications based on this protocol. The problems that arise with the number of applications is a process of authentication for each application. At this time, most applications still use a separate authentication system for each application.

Solution of this problem is Single Sign On. From many Single Sign On application that is at this time, at the final project is used CAS (Central Authentication System) as a Single Sign On application and LDAP for the user databases to applied on PENS-ITS Network. Services that are integrated at the end of this project is the mail server, proxy server and full web-based application.

For future development, CAS can be expected to replace all authentication method that are running on the PENS-ITS network, both for web based applications or applications that are not web-based.

Keywords: *CAS, LDAP, Single Sign On, Authentication*