

ABSTRACT

The growth of information technology goes more rapid nowadays and affects the growth of the internet. In the Research Center of Electronic Commerce and Internet Application (ECIA), Internet has become the mean of the learning media. This Research Center, develops several web portals which has different function each web portals. The different web portals requiring visitor to make an account in each portal and this thing can make visitors difficult to memorize all of their accounts.

To overcome these problems, a superportal Pasaramai website that integrates web portals has been built using the iterative & incremental method implement single sign on. Iterative & incremental method consists of 4 phases, they are inception, elaboration, construction, and transition. Application of the concept of single sing on using central auhtentivation service allowed visitors to have only one account for accessing several web. Superportal website also provide feature recovery forgot password with send email and security question. Super portal development is do the benchmark interface superportal Yahoo and AOL related content are provided. Analysis and design of this website portal using UML and PHP programming languages with CodeIgniter framework used in the portal development. Superportal website tested by verifying the system functionality and the validation from user feedback.

The result of this research is visitors only need one authentication process for accessing several web portals. This thing also allowing the security organizing process become easier, because the data storage is centralized. Suggestion for this research is to add a chat feature, archived article and improve the design of the portal.

Keywords: *single sign-on, Central Authentication Service, web integration, portal*