

ABSTRACT

Ar Rafi Primary School has various applications to support and automate its business process. When faced with dynamic organizations, the applications have not been able to adjust. This is because the applications are still separated. Then if there is addition of new applications, user takes a long time to integrate it. To solve it, author creates feature of application integration with Enterprise Application Integration concept. This feature will facilitate user to adding new applications and upgrade applications with the integration process becomes faster.

Construction of this application integration using waterfall method with codeigniter framework, Unified Modelling Language design tools, and black box testing and User Acceptance Test for application testing. Based on this Final Project research, feature of application integration Ar Rafi Primary School can integrate the separate applications's Ar Rafi Primary School with the average time required for integration is 4.75 minutes.

Keywords: Application Integration, Waterfall, Ar Rafi Primary School.