

ABSTRACT

Astacala Foundation as a disaster response organization has problems in managing disaster assessment data reported by volunteers, because the process is carried out manually through communication media such as WhatsApp which is prone to miscommunication and is not well documented. Based on the problems faced by the Astacala Foundation organization, this final assignment aims to build a website-based application prototype that helps the control center in managing disaster reporting data. The system development method used in the Astacala Rescue Application is the Waterfall SDLC model which consists of five stages, namely planning, system analysis, design, implementation and testing. The required tools used in developing this system include Visual Studio Code, Laravel, MySQL, XAMPP, Postman, Figma, and Flutter for developing the Astacala Rescue mobile application. This application has several main features, namely managing user data (volunteers and admin), managing disaster assessment reports, verifying reports by the control center, and publishing verified disaster information into the Astacala Rescue mobile application. The final result of the work on this Final Project is a prototype disaster response application system that can increase the efficiency of the control center in managing disaster assessment data, as well as providing information in a structured, real-time, centralized and well documented manner.

Keywords: SAP Financial, Information System