

ABSTRACT

The attendance process of MSIB internship students at the Surabaya City Office of Small and Medium Enterprises Cooperatives and Trade still relies on the AppSheet application which has limited data capacity and is prone to errors due to manual processing of attendance report recapitulation. In addition, the existing system does not yet have location validation, allowing students to take attendance outside the placement area. This research aims to design and build a website-based attendance application that can facilitate recording and monitoring the attendance of internship students. Development is carried out using the Extreme Programming (XP) method which consists of iterative stages such as planning, simple design, coding, and continuous testing. System requirements are obtained through observation and interviews with the agency, then derived into user stories for each actor. Testing is done using the black box method and Laravel Dusk to ensure the functionality and stability of the system. The result of this research is a web-based attendance application equipped with GPS features, selfie photos, attendance monitoring, and report automation that supports transparency and better. This system is expected to be able to handle large amounts of data, reduce recording errors, and improve the management of internship student attendance.

Keywords: *Student Presence, Extreme Programming, Cooperative Office.*