

ABSTRACT

Ghiffari Rizqi Saputra (2021081038)

PERANCANGAN DESAIN ANTARMUKA APLIKASI KEAMANAN LINGKUNGAN “KASUARI SECURE” BERBASIS MOBILE PADA KELURAHAN PONDOK PUCUNG

The intern conducted a Professional Work Program (KP) at Kelurahan Pondok Pucung, Social Welfare Division, as a Frontend Developer for the development of the Kasuari Secure application. This application aims to enhance security in the Kasuari Housing Complex by providing real-time incident reporting and monitoring features for residents and security personnel. The work process involved design analysis, user interface development using the Ionic Framework and TypeScript, and continuous evaluation with stakeholders. As a result, the Kasuari Secure application effectively improved the efficiency of security reporting compared to previous manual methods. For further development, the application requires additional features such as CCTV integration, a panic button connected to security officers, and an incident location map to enhance functionality. Furthermore, community outreach through training sessions, public area banners, and official social media channels can help increase awareness and adoption of the application, ensuring its benefits are maximized for neighborhood security.

Keywords: *Neighborhood security, Kasuari Secure, real-time reporting, Ionic Framework, TypeScript.*