

ABSTRACT

MOHAMAD RIZKY ISA. T3119051. PROGRESSIVE WEB APP (ANDROID)-BASED DESIGN OF WEB SERVICE INFORMATION SYSTEM FOR INFORMATICS ENGINEERING FINAL PROJECT ADMINISTRATION FILING CALLED SIABTI

The development of administrative information systems can be integrated with various platforms to ensure the smooth running of administrative processes and data processing in an organization. The use of appropriate technologies, such as web services and progressive web apps, can help the administration become more flexible in accessing and processing data and information from various platforms. The development of web services allows the Information System for Final Project Administration Files in Informatics Engineering, called SIABTI, to be integrated with other platforms and increase the flexibility of the system. Meanwhile, the development of a progressive web app can improve accessibility and user experience. The test results indicate that the Progressive Web App Android-based application for the Informatics Engineering Final Project Administration Filing Information System has a positive response from students, with an average assessment score of 9.

Keywords: *information system, final project administration, progressive web app, Android*



ABSTRAK

MOHAMAD RIZKY ISA. T3119051. RANCANG BANGUN WEB SERVICE SISTEM INFORMASI BERKAS ADMINISTRASI TUGAS AKHIR TEKNIK INFORMATIKA (SIABTI) BERBASIS PROGRESSIVE WEB APP (ANDROID)

Pengembangan sistem informasi administrasi dapat diintegrasikan dengan berbagai platform untuk memastikan kelancaran proses administrasi dan pengolahan data di suatu organisasi. Penggunaan teknologi yang tepat, seperti *web service* dan *progressive web app*, dapat membantu administrasi menjadi lebih fleksibel dalam mengakses dan memproses data dan informasi dari berbagai platform. Pengembangan web service dapat memungkinkan Sistem Informasi Berkas Administrasi Tugas Akhir Teknik Informatika (Siabti) terintegrasi dengan platform lainnya dan meningkatkan fleksibilitas sistem. Sementara itu, pengembangan *progressive web app* dapat meningkatkan aksesibilitas dan pengalaman pengguna, hasil pengujian menunjukkan bahwa aplikasi berbasis *Progressive web app Android* untuk Sistem Informasi Berkas Administrasi Tugas Akhir Teknik Informatika mendapat respons positif dari mahasiswa, dengan rata-rata skor penilaian, yaitu 9.

Kata kunci: sistem informasi, administrasi tugas akhir, progressive web app, android

