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Skipsi, September 2021
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APLIKASI PENUNJUK WISATA KABUPATEN BANJARNEGARA BERBASIS ANDROID MENGGUNAKAN *LOCATION BASED SERVICE* (LBS)

ABSTRAK

Sektor pariwisata memiliki peran strategis dalam mendukung pembangunan ekonomi. Promosi dan pemasaran menjadi salah satu kendala dalam pengembangan industri pariwisata di Kabupaten Banjarnegara. Kabupaten Banjarnegara memiliki kekayaan alam dan budaya yang sangat melimpah dan sangat berpotensi sebagai sumber ekonomi dan pariwisata Kabupaten Banjarnegara. Teknologi yang berkembang pesat memungkinkan untuk membuat aplikasi berbasis android sebagai sarana promosi wisata. Pembuatan aplikasi sebagai media penunjuk wisata yang diharapkan dapat memberikan solusi tepat guna bagi pariwisata Kabupaten Banjarnegara.

Penelitian ini menggunakan sistem *Software Development Life Cycle* (SDLC) dengan metode *waterfall*. Aplikasi penunjuk wisata ini berbasis android dikembangkan menggunakan Android Studio, Bahasa pemrograman Java, database MySQL, serta *Location Based Service* (LBS) sebagai penunjuk lokasi wisata. Pengujian aplikasi menggunakan metode *black box testing* dan kuesioner. Kuesioner dibagikan dan diambil 35 responden dengan teknik incidental.

Berdasarkan hasil pengujian *black box testing* aplikasi penunjuk wisata telah berfungsi sebagaimana mestinya. Sedangkan berdasarkan pengujian kuesioner aplikasi layak untuk digunakan dengan hasil kuesioner 86,93%.

Dari hasil penelitian dapat disimpulkan bahwa aplikasi penunjuk wisata Kabupaten Banjarnegara dapat memberikan informasi maupun rekomendasi tempat wisata yang ada di Kabupaten Banjarnegara. Selain itu juga dapat menunjukkan lokasi wisata melalui *google maps* dengan bantuan LBS dan *Maps API Key*.

Kata Kunci: Android Studio, MySQL, Java, *Location Based Service* (LBS), SDLC *Waterfall*.

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ANDROID BASED BANJARNEGARA REGENCY TOURIST GUIDE APPLICATION USING *LOCATION BASED SERVICE* (LBS)

ABSTRACT

The tourism sector has a strategic role in supporting economic development. Promotion and marketing are one of the obstacles in the development of the tourism industry in Banjarnegara Regency. Banjarnegara Regency has abundant natural and cultural wealth and has great potential as an economic and tourism source for Banjarnegara Regency. Rapidly developing technology makes it possible to create android-based applications as a means of tourism promotion. Making an application as a tourist guide which is expected to provide an appropriate solution for Banjarnegara Regency tourism.

This study uses a Software Development Life Cycle (SDLC) with the Waterfall method. This android-based tourist guide application was developing using Android Studio, java programming language, MySQL database, and Location Based Service (LBS) as a tourist location pointer. Application testing using black box testing methods and questionnaires. Questionnaires were distributed and 35 respondents were taken using incidental technique.

Based in the results of the black box testing, the tourist guide application has been functioning properly. Meanwhile, based on the test questionnaire, the application is feasible to use with the results of the questionnaire being 86,93%.

From the results of the study, it can be concluded that the Banjarnegara Regency tourist guide application can provide information and recommendations for tourist attractions in Banjarnegara Regency. In addition, it can also show tourist locations via google maps with the help of LBS and Maps API Key.

Key Word: Android Studio, MySQL, Java, *Location Based Service* (LBS), SDLC *Waterfall*.