Abstract

Facebook is a social networking website. Facebook allows users to add profiles with photos, contacts, or other personal information, users can join some communities too to connect and interact with other users. Now almost all of young people and olds have a Facebook account. Associated with the development of social networks, Facebook can be accessed via smartphone. One of some features that quite popular is photo sharing. In this feature a Facebook account owner can upload pictures they have and provide a caption for the photograph. Caption or title may be the info, anyone who is in the photograph, or other information desired.

In this undergraduate thesis will be submitted design of an application that can help users upload photos into Facebook more easily. Upload photos can be done automatically using a cell phone so users do not have to waste time because once a photo captured, the images can be directly uploaded automatically. Not only that, this application has a feature that can immediately provide information on where the photo was taken. Thus the owner of the photo does not need to bother writing repetitive description of the location of each photograph. Also made a feature that will show a map which had some marker on those top. The markers is a representation from some location. If a marker clicked then a photo gallery will be open and the photos which is taken there will be shown. This undergraduate thesis is a joint implementation of application system Android, Facebook API as a
service provider of uploading photos, and Google maps API as a service provider and interpreter of latitude longitude location to address.

Application testing is done through of some scenarios that reflect the features possessed by the application. Some test scenarios, including the testing time to get the coordinate location from GPS, the comparison in this test is indoor or outdoor. Proved, time to get the location coordinate outdoor is faster than indoor. Next is the test scenario to upload photos in three sizes, namely: large, medium, and small. As evidenced by a smaller image size is used to upload time is becoming shorter. The trial is successful in realizing a real implementation of the Facebook photo uploader application that can automatically annotate the location of the photograph.

Kata kunci: Facebook, Android, Photo Sharing, Photo Gallery