

ABSTRACT

Public facilities are facilities intended for public purposes, such as roads, bridges, electricity networks, schools, trains and others. This facility is provided by the government to support people's daily activities. However, when there is damage to public facilities, it will certainly eliminate its usefulness for the community. One of the factors that cause damage to these facilities is natural disasters such as floods, landslides, earthquakes, and so on. The community needs to report the damage to the government for further action so that community activities can resume smoothly and well. In order to facilitate these complaints, an Android-based post-disaster infrastructure reporting system was designed called "AyoPerbaiki!". This application was built to make complaints about damage to public facilities by the public by completing a damage report in the Android application. One of the data that needs to be used is photo evidence of damage from natural disasters. The image capture feature is also equipped with an image clarity classification to validate the authenticity of the damage. Complaint data sent by the public will be saved to the database. The Database Management System used is Firebase. After that the government will receive the data through a special website-based application..

Keywords: application, public, facilities, android.