

INTISARI

Keberadaan internet membuat segala kegiatan manusia menjadi mudah, termasuk dalam hal penyebaran informasi. Namun kemudahan ini pula dimanfaatkan oleh orang tidak bertanggung jawab dengan menyebarkan berita palsu atau hoax yang membuat kegaduhan dimana-mana, terutama penyebaran berita palsu yang mengatasnamakan Badan Meteorologi Klimatologi dan Geofisika mengenai gempa bumi yang baru saja terjadi. Begitu banyak masyarakat yang belum menyadari peran BMKG, padahal BMKG telah menyediakan berbagai informasi mengenai gempa bumi, magnet bumi, serta petir yang sangat penting bagi seluruh kalangan masyarakat. Informasi tersebut disebar melalui berbagai media secara berkala. Tujuan penelitian ini adalah membuat aplikasi Quake Today ID yang merupakan aplikasi pencari informasi gempa bumi di Indonesia, serta menerapkan dependency injection dan melakukan integration testing saat proses pengembangan aplikasi. Peneliti mengumpulkan data menggunakan teknik studi pustaka dan observasi. Metode pengembangan sistem yang digunakan yaitu metode prototyping. Penelitian ini telah berhasil membuat aplikasi Quake Today ID serta menerapkan dependency injection dan berhasil melakukan integration testing dalam proses pengembangannya.

Kata kunci: Android, Dependency Injection, BMKG, Hoax, Integration Testing

ABSTRACT

The existence of the internet makes all human activities easier, including in terms of disseminating information. However, this facility is also used by irresponsible people by spreading fake news or hoaxes that make noise everywhere, especially the spread of fake news on behalf of the Meteorology, Climatology and Geophysics Agency regarding the earthquake that just happened. So many people are not aware of the role of BMKG, even though BMKG has provided various information about earthquakes, earth magnets, and lightning which are very important for the whole community. The information is disseminated through various media on a regular basis. The purpose of this research is to make the Quake Today ID application, which is an application to find information on earthquakes in Indonesia, as well as implement dependency injection and perform integration testing during the application development process. Researcher collected data using literature study and observation techniques. The system development method used is the prototyping method. This research has succeeded in making the Quake Today ID application as well as implementing dependency injection and successfully carrying out integration testing in the development process.

Keywords: Android, Dependency Injection, Earthquake, Hoax, Instrumentation Testing