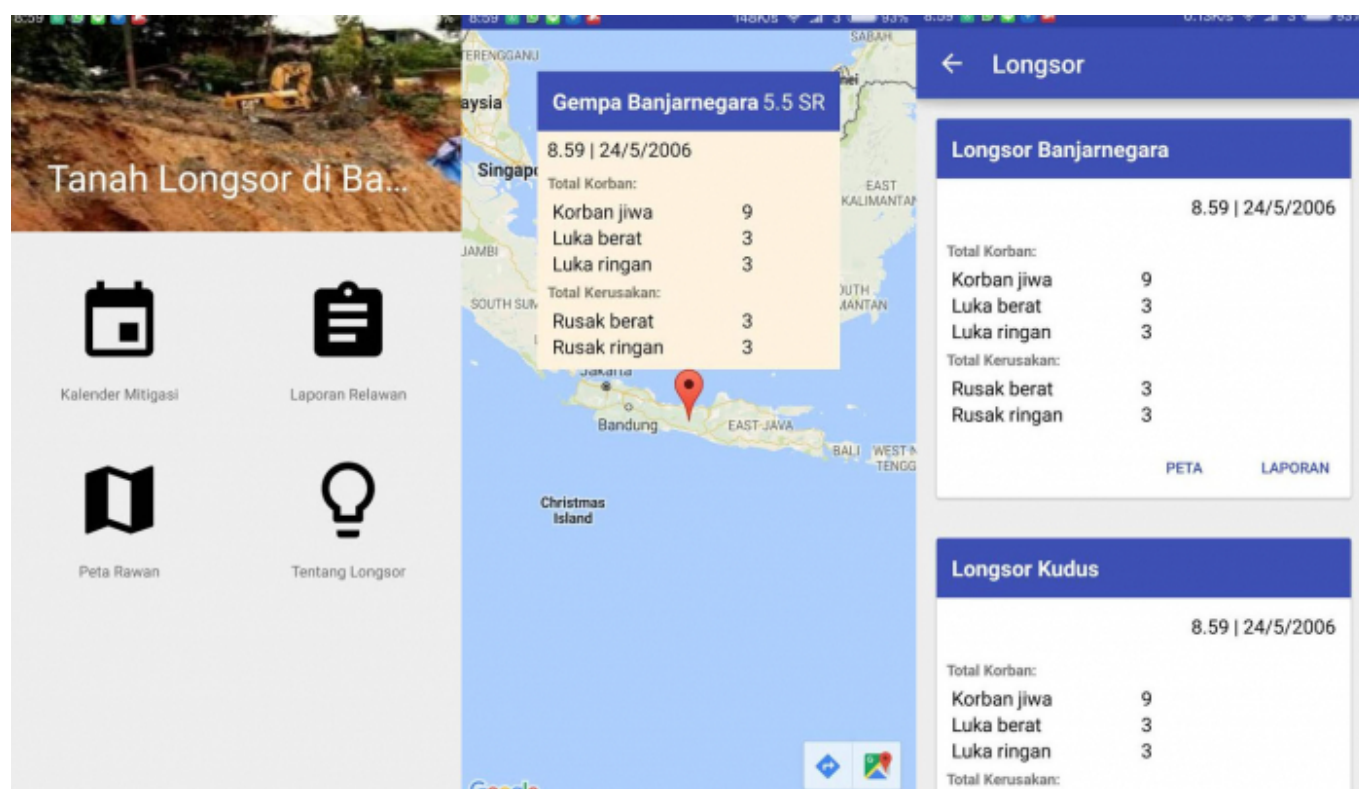


Landslide Reporting Apps and Geoscience Tools by UGM Students

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A number of Universitas Gadjah Mada's Engineering students have developed a landslide mitigation system and geoscience learning technology.

EWS Landslide App

It was Eka Damayanti, Suryo Prakoso Putra, Setia Prihatin, Yuniar Rizki, and Fathian HafizHal, from Faculty of Engineering UGM developing *Dokter Bensora*, an android-based application that provides and displays public reporting on landslide potential in vulnerable areas.

“The information from the EWS extensiometer is integrated with an android-based application that is accessible and useful to people ahead of a possible landsliding,” said Eka on Friday (17/6) at the Faculty.

The app contains menus such as map of EWS Extensiometer locations that covers coordinates, administrative location, date and time, scale of cracks, and danger levels. It also contains Your Report menu that connects people to government agencies and Disaster Mitigation Agency where people may comment on landslide phenomenon and vulnerabilities classification.

Yuniar added the comment section is a plus to this app, allowing people for active participation in landslide mitigation. Public reporting usually quicker and efficient, hence, landslide vulnerabilities maps can be updated accordingly.

“With this app, people can do disaster mitigation quicker, more effectively and efficiently,” he said.

Geo-Min, Solution to Geoscience Learning

Another group, UGM Geology students, has made a geoscience learning tools, known as Geo-Min. They made this tool to help students learn geoscience using practical and economical tools.

“Most of demonstration tools at the laboratories are old while the numbers are limited, in addition to the expensive price. So, learning becomes not optimised,” said Riko Susetia Yuda, one of the students.

This made him devise a geoscience tool and 3D miniature which is practical and economical, named as *Geo-Min*. He created this with fellows Ahmad Faizal Amin, Irsyam Widiyoko, Kusuma Yani, and Naufi Ulumun Nafi’ah.

Riko said Geomin was made in three models: model of geological structure, miniature of sucker rod pump, and model of microfossil. These are made from wood obtained from woodcraft makers in Yogyakarta. The tools are expected to make geoscience learning easier and fun to do.

“Each of the Geo-min products is equipped with a guidebook,” he said. Riko said many people have already purchased the product, also from beyond Yogyakarta such as Kediri, Tulungagung, Madura, Bekasi, Jakarta, Palembang, and Pekanbaru.

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