

**EVALUASI PELAKSANAAN PENILAIAN CEPAT KELAYAKAN
BANGUNAN PASCA GEMPA DI KOTA PADANG
(Studi Kasus Pasca Gempa Tanggal 13 September 2007)**

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ABSTRACT

A 7.7 Richter scale earthquake epicenter on the southwest Sungai Penuh struck Padang on September 13th, 2007, causing damage to thousand of buildings including houses, offices, commercial centers, etc. It's important that buildings can be inspected and reoccupied. The Building rapid assessment has been done by the local government, but the limit of personnel and the difficulty in using the assessment form has became the problems. The people have occupied the building before it's inspected.

The research was carried out with the aim of identifying the postearthquake safety condition of buildings in the research fields following the ATC- 20 form and the form issued by the University of Patras as well as evaluating the assessment form used by the local government. The number of assessment team was evaluated to increase the performance of building rapid assessment. Base on

the evaluation, a proposal for post-earthquake of building rapid assessment program in Padang was made.

According to the number of building rapid assessment forms that have been filled, The Patras University assessment form was recommended for use in Padang. The number of investigation team must be increased from 18 team under 6 team coordinator into 105 teams under 11 team coordinator involving civil engineering students from university in Padang..

Keywords : *Earthquake, Building Damage, Rapid Assessment*