

EVALUASI SISTEM MITIGASI DAN PENANGANAN BENCANA GEMPABUMI DI KECAMATAN BANTUL PROPINSI DAERAH ISTIMEWA YOGYAKARTA

Lenni Kartika Indah

16715/PS/MPBA/05

Telah dipertahankan di depan Dewan Penguji
Pada tanggal 30 Maret 2007

Pembimbing Utama

Prof. Dr. Ir. Bambang Triatmodjo, CES., DEA

Pembimbing Pendamping

Dr. Ir. Radiana Triatmadja

Anggota Dewan Penguji Lain

Dr. Ir. Iman Satyarno, ME

ABSTRACT

A tectonic earthquake in Bantul Regency, Yogyakarta occurred at the magnitude of 5.9 Richter Scales just before 05.54 p.m. The earthquake was more and less one minute and has made thousands of inhabitants dead and destroyed an uncountable number of settlement buildings and damaged other buildings with the value of amounting about billions rupiahs. This fact has showed that disaster mitigation system is not effective yet for the less of disaster impact appear. To prevent absolutely the earthquake disaster is indeed very impossible to do. But humans can seek to take preventive measures to reduce the adverse impact of the earthquake before it occurs again. Therefore, it is necessary to carry out the system of disaster mitigation so that victims and material losses resulted from the earthquake disaster can be minimized.

The research is conducted to find out the physical conditions and problems of Bantul Regency after the earthquake disaster in research locations, evaluate the exercise of management of the earthquake, and finally try to find out any solutions in anticipating the occurrence of the earthquake disaster. It is expected that in the future the response and the willingness of dealing with the similar disaster can be prepared. A field research is conducted by using three techniques of observation, interview, and the spread of questionnaire to village apparatuses and local society. It uses a bottom-up approach to ensure that the system that will be developed can really reflect the emergent needs of community.

The result of the research indicates that it is necessary to carry out some alternatives for the immediate prevention and handling of the earthquake disaster comprehensively by meeting objectives in the appropriate strategy of mitigating measure priorities. The priorities are first the measures of constructing or a structure of enduring-to-earthquake houses with on priorities rank the forming elements of enduring-to-earthquake building, the priorities are first the frame structures (sloof, column, and block), the roof elements, and the foundation elements. Second the measures of social aids giving, third the measures of community development with in education and training, fourth the measures of economic development, and, finally, fifth the measures of instance and managerial development (early warning system). It is expected that the objectives of the priority strategy can help society to take any appropriate measures in anticipating the risks of earthquake disaster.

Keywords : *Earthquake - Victims - Mitigating Measure*