

KAJIAN KUALITAS BANGUNAN KSM-P PASCA GEMPA 27 MEI 2006 DI DESA JABUNG KECAMATAN GANTIWARNO KABUPATEN KLATEN

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ABSTRACT

The shake of earthquake in Bantul on May 27, 2006, was felt also in areas of Klaten Regency, Central Java Province. Jabung Village located in Gantiwarno Subdistrict, Klaten Regency, is one of the villages with severely damaged physical conditions. Aids for rebuilding people's house were obtained from government and nongovernmental institutions. Up to October 2007, the aids from the Local Government to rebuild the housing through the Rehabilitation and Reconstruction Programs were completed. The knowledge of house's owners on the earthquake-resilient building, that of the skilled labors on the earthquake-resilient building, the width of house, a building period, funds required, number of the skilled labors and their assistants, and number of volunteers involved were very interesting matters to study, mainly related to quality of the post-earthquake house building.

This study used a case survey technique with the research instrument of questionnaire to evaluate the knowledge among the people and the skilled labors on the earthquake-resilient building, the width of house, a building period, funds required, number of skilled labors and their assistants, and number of volunteers involved. A checklist was used to find out the quality of the house building. The sample was obtained using a random sampling technique with amount of sample approximately 10% of the population. Data obtained were then assessed using a scoring system, the weighting of lowest value 1 and highest value 3. The data were then analyzed descriptively and analytically using a statistic method with the software SPSS for Windows.

The study indicates that there was no correlation between the knowledge of the people on the building and the quality of house building that could be seen from a result of the Spearman Rank statistic analysis, i.e. value of the t calculation (0.127) < value of the t table (1.987). There was no correlation between the knowledge and skills of the skilled labors on the building and the quality of house building that could be seen from value of the Spearman Rank statistic analysis, i.e. value of the t calculation (1.59) < value of the t table (1.987). There was no correlation between the width of house and the quality of house building, that is, value of the chi-square(5.885) < value of the chi-square table (5.991). There was no correlation between building period and the quality of house building, that is, value of the chi-square (4,818) < value of the chi-square table (5.991). There was no correlation between funds for building house and the quality of house building, that is, value of the chisquare (1.779) < value of the chi-square (5.991). There was no correlation between number of the skilled labors and the quality of house building, that is, value of the chi-square (1.257) < value of the chi-square (3.841). There was no correlation between number of the volunteers and the quality of house building, that is, value of the chi-square (3.029) < value of the chi-square table (7.815).

Keywords:

Earthquake, House Building Quality, Statistic