ANALYSIS STUDY OF THE APPLICATION COLD FORMED STEEL AS COLUMN TO THE SIMPLE EARTHQUAKE RESISTANCE BUILDING STRUCTURE

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Abstract

Indonesia is prone areas affected by the earthquake and not infrequently, this involved a loss of life and property losses, including the destruction of people's homes. In such a situation encourages the community needs the kind of resistant home disasters, especially to earthquakes.

On this occasion the author investigated cold formed steel in simple earthquake-resistant houses. Special for this Final Project (TA), the author only discusses the use of cold formed steel as a column in simple earthquake-resistant houses. Considering that column is affected by structural components greatest force when subjected to structural loads, particularly earthquake load.

Due to our country does not have regulations governing the use of cold formed steel. So the author use the outside rules to control the cold formed steel.

This Final Project arrangement is expected to provide benefits in the field of civil engineering, especially in increasing knowledge about the use of cold formed steel as a column in simple earthquake-resistant houses.

Keywords : Cold Formed Steel, Simple Earthquake Resistance Building Structure, Column