

SUMMARY

Mia Audina Natalis Simbolon, Jurusan Teknik Sipil, Fakultas Teknik, Universitas Brawijaya, Februari 2018, *Study of Fullfillment Technical Requirements Brick Masonry Wall on Non Engineered Building in Malang*. Dosen Pembimbing: Dr. Ir. Wisnumurti, MT dan Prof. Dr. Ir. Agoes Soehardjono MD, MT.

Brick masonry wall is component vertical of building which useful to divide one room with other room. Function of brick masonry wall can be as separate component and as component structural. Although it has been understood by many people that the brick masonry wall has an effect on the strength of the building structure but the strength of the brick masonry wall remain neglected and in reality the technical work of brick masonry wall at non engineering building is not accordance with the technical requirements.

This research uses survey method by looking at the technical requirements for the installation of brick masonry wall. The purpose of this study is to know the comparison between the technical work of brick masonry wall in actually with the technical requirements of brick masonry wall that apply in non engineering building and study of non engineering building if the technical requirements are not met.

The results of this study indicate that in a non engineering building in Malang has not been in accordance with the Guidelines Technical House and Earthquake Resistant Building. From the survey, the average percentage of deviations from the guidelines in the first survey was 34.77%, the second survey was 33.27%, the third survey was 37.90%, and then the fourth survey it was 30.56%. Review if the requirements are not met so the structure of the building has not been strong enough to accept the force of the earthquake so there was damage of the brick masonry wall and collapse of buildings.

Keywords: brick masonry wall, the technical requirements, non engineered building.