

Interactive comment on “Earthquake safety analysis of masonry historical building case study: Historical Konya Gazi High School” by M. Sami Donduren and Seyit Uguz

M. Sami Donduren and Seyit Uguz

sdonduren@hotmail.com

Received and published: 3 May 2018

Referee 3 We thank Reviewer 3 for your helpful, thoughtful comments and have made a lot reversion about the manuscript following the suggestion. We agree with almost all your comments and we have revised our manuscript accordingly. Revisions belonging to the Referee 1 are marked with yellow colour, and revisions belonging to Referee 3 are marked with red colour in the text. â€” There were some missing words in Turkish in the figures and tables. They are changed with English. The manuscript has been edited by an English-speaking native, so we hope it now matches the journal standard. â€” The missing part which wasn't mention about analysis was also changed in the

C1

full text. Edited text is the below; “Structural analysis for Finite Element Model of the building is done with linear analyse by using ETABS program. The seismic analysis of the structure studied in this article, is done by using Equivalent Earthquake Load Method as described in the Turkish Codes-2007. Mode shapes of the building have been obtained by modal analysis approach using ETABS program. Modal analysis was performed in 12 modes with Eigen Vectors to determine free vibration periods and mode shapes of the building.” â€” Actually, the analysis of the results was categorized as modal analysis results, axial stress results, shear stress results and Displacement results. Limit values were compared with standard limits on conclusion in terms of Turkish Standards. As you mention, it could be better if we interpret the detailed comparisons with FEMA 356 and Eurocode 8 in this study. We will consider your these comment in our future studies.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-449/nhess-2017-449-AC3-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-449>, 2018.

C2