

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

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Referee 1 We thank Reviewer 1 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. 1. The English need a careful and deep revision. A huge number of grammar errors exist and some sentences should be completely re-written. It is suggested that the paper needs revision by native speakers
Response: The manuscript has been edited by an English-speaking native, so we

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hope it now matches the journal standard. 2. There are several parts that are not expected to be added in this type of work (just one example among many: page two, lines 35- 36..” The CSI Company was founded in 1975 and is the manufacturer of programs, which are used in more than 160 countries worldwide. This program is also used in project designs of buildings such as Taipei Finance Centre in. . .”).
Response: These parts were also changed. 3. There several parts missing and are crucial for the adequate seismic assessment of an old masonry buildings. For instance: despite the modal analysis performed for the dynamic characterization of the building, what type of analysed was used? Only a linear equivalent seismic load (i.e. a linear static analysis)? Is it adequate for the seismic assessment of an old masonry building?
Response: The missing parts which wasn’t mention about analysis was also changed in the full text. “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.” 4. The results and the discussion of the ‘ results are unappropriated
Response: The results and the discussion was also edited in the study. In addition to this comments, the references has been revised. There were some words in Turkish in the figures. They are also changed. Decimal numbers are identified with dots.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-449/nhess-2017-449-AC1-supplement.pdf>

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

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