

Interactive comment on “New Approaches to Seismic Microzonation Modelling of Ground Shaking Using Direct Characteristics of Influencing Criteria: Case Study of Bam City, Iran” by Reza Hassanzadeh et al.

Anonymous Referee #2

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Dear Editor, I just reviewed the paper entitled "New Approaches to Seismic Microzonation Modelling of Ground Shaking Using Direct Characteristics of Influencing Criteria: Case Study of Bam City, Iran". This paper deals with a new approach for seismic microzonation in urban areas. I think the paper could be accepted for publication only after a major revision. There are several points that need to be fixed. First of all, the paper need a strong revision of the English by an English mother tongue. Second critical point, authors should avoid to repeat the same concepts too many times just by using slightly different sentences. Third, very important point. Authors

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talk about seismic microzonation of ground shaking amplification. This concept is not clear to me. Do they mean "seismic site response"? This is a crucial point that needs to be clarified. In addition, in the discussion section, authors suddenly introduce the concept of "susceptibility amplification" (line 469). Susceptibility is different from seismic site response! Authors need to clearly state these concepts in the entire paper. Fourth critical point, the method section is 12 pages long whereas the discussion and conclusion section is just 3 pages! This discrepancy is incredible! Methods section include too many repeats of the same concepts (e.g., authors said several times that they interviewed 10 experts!). In addition, discussion and conclusion section needs to be more detailed. Fifth point, most of the figures are very hard to read. Quality of figures should be increased. Several other comments are listed in the attached file. Best.

Please also note the supplement to this comment:

<https://www.nat-hazards-earth-syst-sci-discuss.net/nhess-2017-421/nhess-2017-421-RC2-supplement.pdf>

Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2017-421>, 2018.

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