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Interactive comment on “Laboratory experiments on rainfall-induced flowslide from pore pressure and moisture content measurements” by M. R. Hakro and I. S. H. Harahap

Anonymous Referee #1

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This paper presents a experimental study on rainfall induced landslide, which is within the scopes of NHESS. However, major issues need to be clarified before further consideration.

The major issues include:

1. It is not clear what are the major contributions of this paper, please modify the Abstract, Introduction, and Conclusion to make them clear.
2. It is not clear what is the definition of "flowslide" and how the authors confirm they properly produce the "flowslide" in the lab.
3. The setups of the experiment is short of descriptions. For ex-

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ample, it is not clear where the authors install the sensors (Fig.1 need to be modified), it is not clear what are the soil and how to place it in the flume, and it is not clear how the flowslide was produced. 4. About the results, it is short of theoretical analysis and detailed discussions, which make the paper short of major contributions. 5. English editing service is necessary to make this paper more readable. For example, there are grammar errors and long sentences in the Abstract, and there are too many short paragraphs in the Related Past Work. 6. About the experiments, a table of the sensors with their accuracy, and a procedure of the experiment are necessary.

I suggest the authors resubmit the revision with necessary modifications.

Interactive comment on *Nat. Hazards Earth Syst. Sci. Discuss.*, 3, 1575, 2015.

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