

Interactive comment on “A new technique using the aero-infiltrometer to characterise the natural soils based on the measurements of infiltration rate and soil moisture content” by M. A. Fulazzaky et al.

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Response to Referee #2 Comments

Literatures survey is only cited regarding the literatures of water infiltration which have a good relevant with the topic of this study. Even if the discussion on phenomena of air diffusion into the ground is still rare, some literatures that have been cited could strengthen this manuscript.

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The selection of 6 cm aims to avoid deformation of soil due to the important role of aero-infiltrometer is to facilitate air diffusion into the ground of vadose zone.

The reasons of using air diffusion to measure infiltration rate and soil moisture content have been provided in the text to have insights of its advantages comparing water infiltration (P. 12719, L. 12 to P. 12720, L. 5).

The use of “psi” as unit of pressure is due the real measurements recorded in “psi” and the use of unit “min” in the text would be much more comprehensive to have a clear message of the duration.

Please also note the supplement to this comment:

<http://www.hydrol-earth-syst-sci-discuss.net/10/C6716/2013/hessd-10-C6716-2013-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 10, 12717, 2013.

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