

# ***Interactive comment on “Numerical Simulations of the 2004 Indian Ocean Tsunami Deposits Thicknesses and Emplacements” by Syamsidik et al.***

## **Anonymous Referee #3**

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This paper presents a phenomenon of tsunami-induced sediment transport, in particular for Aceh Besar, to develop a modeling technique from coupled numerical models. The technique provides a reliable and accurate examination of tsunami deposits for location and thickness. The topic is interesting for publication and the method is high quality. However, there is insufficient explanation to clarify the method. In addition, it seems that the amount of discussion should be increased according to the standard of this journal. Generally, the English wording and grammar need some improvement. After the revision and improvement, I feel that this paper would be suitable for publication in Natural Hazards and Earth System Sciences.

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I have read this paper considering with the comments from other reviewers. In my opinion, this paper does not provide enough important information. I feel that the author is trying to hide or omit some theoretical background. I encourage the author to provide more explanation in each section including limitation of this numerical study. This is my initial comments and I will post my detailed comments later.

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Interactive comment on Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2018-348>, 2018.

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