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Post Sunda Strait Tsunami Survey of Sunda Strait Tsunami, December 22nd 2018

A Post Sunda Strait Tsunami Survey of December 22nd 2018 Tsunami Indra Gunawan, *Suci Dewi Anugrah*, Muhamad Fadhillah, *Aprilyanto*, Anton Sugiharto, *Rudianto*, Lili Somali, *Tatok Yatimantoro* *The Agency of Meteorology Climatology and Geophysics Two days after the Sunda Strait Tsunami, 22 December 2018, a post survey was conducted surrounding the strait, along the coast of the Banten as well as the coast of Lampung. The result of 28 measurement points had revealed that the tsunami height varied from 0.75-6.22 m. The maximum height was found at the area of Carita in Banten, based on a tsunami trace in a form of a broken tree branch. The tsunami height measurement took the tide height into consideration. The distance of tsunami inundation in some area was investigated in the post tsunami survey. In general the average of inundation distance was approximately 200 m from the coastline to inland. The Krakatau Volcano tsunami modeling was simulated to reconstruct the tsunami propagation and to verify the tsunami modelling. The model was generated by a flank collapse of the Volcano. Based on the eyewitness interviewed, no earthquake shaking was felt before the tsunami. Keywords: Post tsunami Survey, Sunda Strait, Tsunami Height, Tsunami Inundation, Tsunami Modelling

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