The Slope Dynamic of Cilacap Backshore During Transition Season

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Abstract	Indonesia as one oftropical and archipelago countriesis daily illuminated by the sunlight. The integration of sunlight and earth pseudo-movement cause a dry and rainy seasons. The transition from one to another seasonoccur twice a year, which isMarch-May (first transition season) and September-November (second transition season). This research aim was to analyze the foreshore slope dynamic atCilacapcoast during the transitionseason. Data of slope dynamic were collected bi-weekly from March to May 2017 at 16 sites, where the distance of each site was 2 miles. The angle of slope was measured perpendicular to the shoreline using Theodolite, i.e. at the boundary of coastal vegetation, center site and foreshore waterline at low tide. The backshoreslope at four sites were increase at the second month and at the end of the transition seasonwas decline. The changes of foreshore slope at other siteswere decrease. The monthly dynamic of foreshore slope in the transitionseason underwent a narrow of change and different condition. The highest and lowest slope of the coast occurred on April (8%) and May (5.2%) consecutively. The transition season wasmostly influenced by the changes of wind pattern thatwouldaffect the ocean wave and the impacttobackshore slope was vary. The backshore slope changes were shown that more slopingat the end of the season. The transition season had an impact onbackshore slope and statistically, the monthly changes of coast slope weresignificant difference [p((0.05))].
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