DESIGN MOORING OF FLOATING BREAKWATER

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Abstract
Breakwater is a building that used to protect beaches. In general, a pile of stone
breakwater. In the discussion this time is building a floating protective beach in
water (floating breakwater). To maintain the stability of the floating breakwater is
needed mooring. Mooring system that functioned to maintain the stability of the
floating structure. This research was conducted laboratory, so we model the
physical form of scaled with its original form. It should be noted is the amount of
tension (stress) that occurs in mooring and anchor weight required for a floating
breakwater remained stable. In this final project will examine the design of a
suitable mooring for the floating breakwater. In implementing this study using
laboratory equipment consisting of a wave flume measuring 20.0mx 2.0m x1.5m
wave generator is equipped with automatic controls using computerized. Wave
motion created by the wave generator and the actuator, moving down and go up
vertically so that it can be raised both regular and irregular waves. Research was
conducted at Laboratory of Marine Environment and Energy Department of
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Key words: design, floating breakwater, mooring stability