ABSTRAK

Sedimentation is a problem that needs to be taken into account if it occurred in the port, because it can interfere with the activity of the port itself. Therefore required the construction of buildings in the port protector that prevents the transport of sediment coming into the harbor area. This problem occurs in the port of Boom Banyuwangi. This has happened on the harbor sediment, caused by a long breakwater is considered less works well in reducing sediment transport pengruh. Sedimentation due to activities of the port is blocked. Due to the influence of sedimentation resulting in silting in the port of Boom groove. Thus the re-port to streamline the Boom, dredging shall be made to reduce siltation and sedimentation have done redesigns on the harbor breakwater in order to stabilize the boom conditions in the port of Boom.

Breakwater was built using two types of the rubble mound structure with a layer of armor that was built from elevation tetrapod mLWS +2 to -5 mLWS and monoliths or upright wall using a steel pipe piles Ø120 cm piles arranged in a row starting at an elevation of-5mLWS up to -10 mLWS. Total cost required in the construction of this breakwater is Rp. 167,829,468,762,
Kata kunci: Boom, Breakwater, Monolith, Rubble mound, Tetrapod.

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