ABSTRACT

Port of Benoa represent a single port in south of Bali island becoming place lean ship. Port circumstance which only own 1 dock for ship of tourism and speed boat. Causing hand of traffic and ship operational to enter the port annoyed because ship amount which longer more than more. Scheme a floating dock is one of alternative solution which have location of countryside Mertasari, because assessed most precise with the area condition.

Floating dock planned by pursuant to result of survey data in field, where the dock will be placed according to requirement. The dock made with the substance Become steel because assessed stronger, durable, and easy to in course of it’s workmanship. Construction calculation become steel for the dock of conducted by pursuant to rule ABS (American Beureu Standard). Result of concept desain checked by it’s characteristic like stability, and it’s construction strength. If bad characteristic conception design have to be repeated and as according to standard, is hence continued with evaluating result design by checking according to among requirement design by performe result of design. When don’t there are according to hence process have to be repeated and if have according to hence design can be used.

Pursuant to dock planning float, is hence got by a dock form float in the form of especial pontoon of the size L = 14 m, B = 3 m, H = 0.84 m, cb = 0,96, DWT = 6.6 Ton. Pontoon compiled to become a layout in such a manner so that can be used maximally.

Keyword : Dock float the, Steel, Mertasari, Bali.