

COST BUDGET ESTIMATION ON THE SHIP KARUNIA SAMUDRA I (SIDE BOARD DECK CASE STUDY)

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ABSTRACT

This research aims to create a faster and more precise MTOL (Material Take Off List) cost budget plan application and find out the data processing work system of this research application. The accuracy of preparing a budget in predicting the cost requirements of a construction greatly affects the success of the construction funding. In addition, it will also affect the success of its construction. In ship building projects this is the part that monitors the initial funding capability of the project. Thus, the preparation of a Cost Budget Plan (RAB), can be a solution to detail all the costs required in building ships such as material requirements, labor and so on. in making the application program using Visual Studio Code as software for storing and creating application programs, using XAMPP as a local web server supporter, as well as a place where the author can design and build databases. This application will be built using PHP and MySql as the database. The results showed that the estimated cost budget required on the side board of the Samudra 1 gift ship was Rp. 963.837.520 with a material load of 48,902.3 kg.

Keywords: Estimation, Cost Budget, MTOL