ABSTRACT

Electricity is one of prime need in our life, include in marine world especially for vessel operation. System of electricity in a vessel is one of the most important system that vessel’s have. Because not only lighting that need electricity but also navigation device and other device in vessel’s system is need too. So the planning of electricity system is the important thing to make optimum the work of vessel system. So that why we needed some media to help design and calculation of electricity that vessel need. This project work is make a software that help for design and calculation of vessel’s electrical power.

This software helps us to calculate electrical power in vessel for lighting load, electricity that needed to others load in vessel except lighting load. And total of electrical power of the vessel. This project work is use visual basic program for the basic programming. The result of electricity, for total or detail load we can get fast and precise only with entering general information of the vessel, such as: LOA, LWL, LPP and detail measure of vessel’s part.

This software help us to calculate electrical power in vessel more easily and more short in time. With manual calculation for the comparison, we know time that we need to calculate electrical power in vessel use this software is more short in time, 2 minutes than manual calculation.

Keyword : Software, Visual Basic, LoA, LwL, LPP.