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LOAD TESTING ON GENERATOR 64 KVA AND 47 KVA AT OB MARINE JAYA PT. GALANGAN PUTRA TANJUNGPURA WITH LOADBANK ELECTRIC HEATER TYPE LOADBANK (PT . BIRO KLASIFIKASI INDONESIA)

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Diesel machine is still become the one energy supplier on any ship that we use. Base on that there is a demand that the machine could supply the energy in any condition. So there is need to do a test on that machine to know how good that the machine work. . if the generator set work below on the specification, it will cause a malfunction on the ship working procedure.

To solve this problem, Loadbank is created. Loadbank is a tool that we can use to check and test wether if the ship are good to sail or not approve to sail base on the how the generator can spply the electricity througout all the ship equipment so all the machine on the ship can wok normally.

The result on the research shown that Grid Resistor Type Loadbank work better than the old type that used sea water as a indicator. because , the grid resistor loadbank has a lover error percentage than the old type. Also , base on the reseacrh we get , generator 1 is still in prime condition to work and generator 2 is not in a good condition because it produce an error percentage higher than the standart..

Keyword : Loadbank, Generator, Grid Resistor, Element Heater