DESIGNING LAYOUT OF ONE MAN CONTROLLED BRIDGE BASED ON ERGONOMIC MARITIME APPLICATIONS

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Abstract
Bridge Deck is the centre of all navigation on board. Because of those reasons, so it takes a special skill to handling and setting the components therein. Structing and arrangement of these components aiming to optimize the use of bridge deck by placing any necessary equipment in accordance with ergonomic rules. Design of bridge deck that does not pay attention to ergonomic factors will give a bad result for the ship safety. This will lead to increasing number of human error during the operation of the ship. Increasing the human error will make accident rate on in industry the ship rides. The problem arising was how analyzes Indonesian ships based on ergonomic rules. Of these problems required software that helps analyze a vessel to meet the ergonomic rules, in order for the crew as well as the shipyard is easier to analize equipment and components on the laying of bridge deck when the new shipbuilding and repair. By developing a computer based program for subsequent use as ergonomic analysis process simulator.

Keyword : Ergonomics , Bridge deck , Microsoft Visual Basic
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