

ABSTRACT

Basarnas is an institution that handles disasters or disasters especially in Indonesian waters. Basarnas itself was formed in 1972 by the SAR organization, the number of disasters that occur each year due to negligence from the driver and lack of maintenance of the ship, so the number of accidents at sea continues to increase. The number of accidents collected by the Indonesian National Disaster Management Agency (BNPB) between 2011-2014 is as many as 80% of events consisting of land, sea and air accidents. The types of victims found in shipping accidents vary, from mild to severe injuries. shipping accidents from 2010-2016 totaling 474 victims injured. In 2011-2014 the death toll was 409 people, survived 798 people, lost 135 people, mild injuries 35 people and injuries were 19 people. According to the NTSC (National Transportation Safety Committee) that victims of shipping accidents must be placed in a comfortable place for victims and not add to other injuries to victims, because the main cause of accidents on ships is on flammable engines. Based on this background, it is necessary to redesign the layout on the RIB ship for users according to the rescue anthropometry. This redesign aims to make the placement of victims safer and not cause injury, and this redesign is focused on adjusting the user and in accordance with the anthropometric aspects of the rescue team as well as the victim.

Keywords: National Basarnas, Design, Layout, Anthropometry