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INVESTIGATION OF FUZZY AHP METHOD OF SHIP FAULTS DURING SHIP MANEUVERS

Sea transport is a field that requires high cost and frequent accidents. These accidents are sometimes caused by equipment malfunctions and sometimes due to lack of personnel knowledge and experience. One of the regions that frequently have problems during operations is the maneuvering areas of the ships.

In this study; the problems experienced during the maneuvers of the ships and the problems that can be experienced are identified and the importance of the equipments in which these problems are experienced is emphasized. Examination of these accidents was done by Fuzzy Ahp method. Hierarchical structure has been established by assigning the sub-criteria of the equipment and the places where the problems are experienced. In the last step of the hierarchical structure, the losses that can occur in these accidents have been discussed. As a result of all the evaluations, the results are presented considering the losses caused by the accidents during the maneuvers of the ships. As a result of the study, ropes were identified as the equipment with the highest priority within the maneuvering equipment. Another consequence of the work was that the personnel death and injury cases are at the highest level according to the other losses.

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