

Establishing the Location of Naval Base Using Fuzzy MCDM and Covering Technique Methods: A Case Study



Volume 23, Number 1
March 2017, pp.61-87

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Naval Base located in the region of a country has a very important role as national defense aspect, and developing sea power to a military operations area (deployment forces position). This study aims to select the best site from multiple locations naval base. Model compiling an application of the theory and method of Covering Technique is integrated with Fuzzy Multi Criteria Decision Making (Fuzzy MCDM). Covering Technique method is used to select the naval base by minimizing the number of selected naval bases can cover other bases. Fuzzy MCDM method is used to select the naval base by assessing the weight value of the naval base by the political, technical and economic aspects.

Keywords: Naval Base, Covering Technique, Fuzzy MCDM