DECISION SUPPORT SYSTEM MAKING FOR DEPLOYMENT OF EAST NAVY’S SHIP BASED ON REGIONAL DATABASE AND SECURITY WITH EXPERT SYSTEM APPLICATION

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Abstract  
Sea security is one the absolute need from country especially if it was an archipelago country like Indonesia. The problems that always happen are country boundary trespassing, illegal fishing, illegal logging even infiltration of warship in our territory. That problem happen because the lack of patrol boat to be placed all over country. For that reason there’s must be some optimization for deployment of the patrol boat. Algorithm in this problem will be using expert system. This algorithm going to be pretend as an expert or command center to spread the deployment of the patrol ship. From this simulation it seems that the developed system can decide whether the deployment of the patrol boat is optimum or not.

Keywords: optimization, fleet distribution, expert system