

ABSTRACT

In AI there are some techniques problem solving that been used and one of them is planning. Planning is acts searching technique that is used in order that initial state can change to be a goal state. In planning there is hill climbing planner algorithm that combined heuristic search technique with planning. Heuristic that is used in this algorithm called heuristic additive.

In this final project, have been implemented hill climbing planner algorithm with heuristic additive. This system will show output which is acts that are done by the system to reach goal state, figure out some acts that have been done, shows timing process that is needed by system to finish the problem and to show lot of iteration that are done by system to get the solution.

From this final project's experiment is concluded that hill climbing planner algorithm can be worked until complexity nine blocks. This algorithm can't solved the problem where the state have a minimum heuristic and to reach a goal must act that can make a heuristic increased. The result can get by this algorithm have been optimal.

Keyword : hill climbing planner, solving by searching, heuristic additive, artificial intelligence, planning, dunia balok, goal state, initial state.