ABSTRACT

APPLICATION COMPLETION HASHIWOKAKERO PUZZLE GAME USING THE METHOD OF SOLVING HASHI BREATH FIRST SEARCH (BFS) OR DEPTH FIRST SEARCH (DFS)

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Based on the results of research conducted in the field found the facts that the search techniques using Hashi solving techniques have many drawbacks such as very bound by the rules that exist in these techniques so that the algorithm BFS and DFS are added to correct these vulnerabilities. BFS and DFS algorithms taken because the matter Hashi has no objective value which is the value that should be owned in other algorithms. This research method using a literature study in data collection, based on the books and some resources available online. Development tools used in making this application is Visual Basic 6 and Microsoft Access as the data base.

The test results prove that the addition of BFS and DFS algorithms can improve the shortcomings that are owned by Hashi solving techniques. Can be seen in some of the problems that can not be solved by solving techniques can be resolved after Hashi added BFS and DFS algorithms into it.

Key Word : Breath First Search, Deeph First Search, Hashiwokakero, Puzzle, Solving Hashi.