ABSTRACT

DEVELOPMENT APPLICATIONS IN GAME 2D Cepot CHAMPIONSHIPS SILAT KINGDOM

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Puppet is a form of folk theater is very popular. In West Java, in addition to shadow puppets, the most popular is the puppet show. Where all the puppets were played by a puppeteer as the leader of the show. Fighting games are the type of game that essentially have to drop the opponent or enemy, whether it be with the punches, kicks, combos and the moves. Applying similar games of this genre is the game "martial arts". The target user to be targeted are 12 years or older teens.

Cepot in the championship game kungfu kingdom tells of a contest the first prize trophy king and a large chest containing the treasure, a piece of land whose value is sufficient to establish a small castle and its contents and one of the people who follow the race was a marionette puppet comedy character named "Cepot". This type fighting games, Artificial Intelligence that is used is the algorithm DFS (Depth First Search) to search deeply into the left child first.

The test results in the championship game Cepot martial arts to build a kingdom of this 2D game in the form of the game with a background puppet show, applying Artificial Intelligence against the enemy in the game that the opponents of the user.

***Key words**: Artificial Intelligence, Algorithm DFS, fighting.*