ABSTRACT

Cahyani, P.D. (2010). **Analyse *Logan Avenue Problem Solving (LAPS)-Heuristic* learning model to improve student mathematical problem solving skills.**

This research is based on the importance of mathematical problem solving skills for students but it is unfortunate that the findings in the field indicate that most students consider that math is a difficult lesson. Even more so when learning to solve mathematical problems, some students are even reluctant to try to solve them because they do not understand the problem. They tend to think about mathematical problems that are very complicated and difficult to solve. One alternative that can improve mathematical problem solving capabilities is with the implementation of the *Logan Avenue Problem Solving (LAPS) - Heuristic.* This research aims to: (1) To analyze how the concept of mathematical problem solving capabilities; (2) to analyze how *Logan Avenue Problem Solving (LAPS)-Heuristic* learning model concepts; (3) to analyze how *Logan Avenue Problem Solving (LAPS)-Heuristic* learning models are implemented in improving students' mathematical problem solving skills. This type of research is a study of literature. The data source used is primary data and secondary data. Research techniques used are Editing, Organizing and Finding. Analysis of the data used is deductive, inductive and interpretive. Based on the results obtained by reviewing various sources, it can be concluded that the *Logan Avenue Problem Solving (LAPS)-Heuristic* learning model can improve students' mathematical problem solving skills. Implementing the *LAPS-Heuristic* learning model makes students not only passively accepting the materials submitted but also active in building or constructing their knowledge, so that learning will be more meaningful and longer remembered by students.

Keyword: Mathematical Problem-solving Skills.**,** *Logan Avenue Problem Solving (LAPS)-Heuristic* Learning Model.