ABSTRACK

The raise of this nation is depending on the next generation, i.e. the university student. However, they are also human being that always struggle with problems especially in their college. Not all of them could pass this stage easily, or maybe ended Dropped Out (DO) because lack of academic ability, unsupported family, not able to pay the costs, and other problems that cannot be solved.

Counseling is a very good alternative ways to solve out these problems. In this final project, the student could interact with the software system in such interactive way. The system will analyze the problem faced by them, and give the right solution for that problem.

The used methods are case-based reasoning and rule-based reasoning. Case-based reasoning is a paradigm that focuses on solving problem based on the previous cases. In this method, *learning* is used as a learn process so that the solution of the new case will become new input to the knowledge base. The rule-based reasoning is used to identify the cause of the problems.

Keywords: *case-based reasoning, rule-based reasoning*, college student, counseling, and problem.