Abstract

The Main Purpose of this final project is developing expert system which can assist and makes balance to performance of expert officer kredit at one particular bank in analyzing credit aplication quickly and precisely. Methodology which is applied in this system development is in the form of colaboration between software engineering and knowledge engineering. Development of the knowledge engineering is the core of this research. The highlighted domain problem is an expertise analysis from a credit manager of Bank Nagari, which is acquisited and then represented into form of rule based system in knowledge base.

This expert system built by using shell expert system, which is CLIPS as inference mechanism and its knowledge base, also Borland Delphi as the system interface. Process of generation and removal fact connecting CLIPS and Delphi. From the result of this final project, simply methodologies applied is able to build an expert system capabilities of decision making in refusing, receiving, and receiving with reduction of plafond a credit.

Keyword*: Expert system, inference mechanism, knowledge base, shell expert system, interface, knowledge engineering, CLIPS.*