Abstract

The main goal of this final project is development engine to extract expert system CLIPS facts from various database. All process in engine is process the forming query , fact election, and forming CLIPS format fact. Format fact which resulted by engine will processed by rule CLIPS as inference engine which functioned for inferencing of fact according to rule which have been defined. These facts will be processed later in CLIPS which functioned for inferentioning facts from engine and inferention result facts until the solution approach. Extract fact technique from database using the dynamic query according to fact required by CLIPS.

Engine development to be implement in expert system application of semi-otomation credit service. The methodology used in developing this expert system is using Expert System Development Lifecycle and knowledge engineering. The domain problem of this final project is representating expert competence of Bank Nagari's credit into rule-based in form Basis Knowledge. From this final project's experiment is concluded that development engine to extract expert system's facts from various databases is capable for making a decision to client candidate' credit proposal.

Keyword*: Expert system, inference engine, knowledge engineering, Expert System Development Lifecycle, CLIPS, query.*