Abstract

Question Answer System (QAS) or the answering machine, which is one of the Natural Language proccesing (NLP) and at the end of the year is becoming more popular. Given its function as an answering machine, main purpose of QAS is to make easier to get information. QAS should be able to understand the questions and be able to mapping the user query with the existing data, so it needs a mechanism that capable of mapping complex data for easy to access. Therefore chosen ontology as knowledge representation on this system. Domain used in this system is the location of food in the city of Bandung.

In this book discuss about mapping of the location of where to eat in the city of Bandung to ontology and processing in the free text questions into the system. Presentation of food location information from existing data in ontology, and so accuracy. And designed of ontology proof able to cover food location indicated by the resulting list of query results corresponding system-defined format and the level of compatibility between a given user question. All of these results can be performed when the relations in ontology architecture proved to be consistent.

Keywords: QAS, NLP, ontology