ABSTRACT

DEVELOPMENT OF NATURAL LANGUAGE PROCESSING APPLICATION FOR MAKING CHAT BOT IN WEB BASED IN INDONESIA COMPUTER UNIVERSITY

By

Ridwan
Fendy 10107395

Natural language is one media used by human to communicate between human. However, at this time, with technology especially in (AI) artificial intelligence, could make natural language as median to communicate between human and computer.

NLP (Natural Language Processing) is one branch of artificial intelligence. The purpose of this field is making process computation model from language, so that would be happened interaction between human and computer with natural language as median. One of application that implements natural language processing is chat bot.

Chat bot is application of computer program that is designed to simulates an interactive conversation or interactive communication to user (human) from the text. The response is resulted from scanning of matching a pattern in a database on user input with using brute force algorithm and it replies from pattern that is considered most matched from database so that the conversation seemed to be done by two personal human communicate each other. By using chat bot expected could replace provider's job as operator that has limit time and amount in giving information. For further system development need to be considered on several thing such as addition of brain file data that consist of key word pattern and it's response and implementation of better methods of reasoning.

Keyword : Artificial Intelegence, chat bot, NLP (Natural Language Processing), brute force algoritm.