

# **QUESTION ANSWERING TEMANGGUNG CITY TOURISM USING A NATURAL LANGUAGE PROCESSING APPROACH**

**HELGA RADITIA ADE WIJAYANTO**

*Informatics Study Program, Faculty of Science & Technology*

*University of Technology Yogyakarta*

*Jl. Ringroad Utara Jombor Sleman Yogyakarta*

*E-mail : helgaraditia0@gmail.com*

## **ABSTRACT**

*The development of technology and information is currently increasing and developing very rapidly. Information on the internet can be accessed on various devices such as cellphones, laptops, computers and other devices that can be used. However, not all information can be found easily and quickly, especially information about Temanggung city tourist attractions. Temanggung is a district in Central Java province which has quite famous tourist attractions such as Surodipo Waterfall, Jumprit natural tourist attraction, and Posong natural tourist attraction which offers typical mountain views. Based on the large number of tourist attractions in Temanggung city, of course there are still many people outside who don't know how many tourist attractions there are in Temanggung city. Obstacles in obtaining incomplete information and providing information about tourism that is already well-known and not showing tourism that is still in the developing stage will certainly be an obstacle. This means that tourism, which is still in its developing stage, is not well publicized. Based on the problems above, the solution that can be offered is in the form of Question Answering (QA) which allows computers to understand the meaning of questions asked by users. The aim of this research is to build a Question Answering system that can understand the meaning of questions and answer questions from users about Temanggung city tourism. The method used in building this system is Natural Language Processing (NLP) to understand and analyze questions in Indonesian. So with the Question Answering for Temanggung city tourism, people outside the city and local people can get information easily. The result of the system created is that the system can answer questions entered by the user if there are keywords for the tourism destination being searched for.*

*Keywords: Technological Development, Tourism, Temanggung, Question Answering, Natural Language Processing.*