

ABSTRACT

CHIT CHAT CINEMA: QUESTION ANSWERING SYSTEM DENGAN DOMAIN FILM BIOSKOP

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Along with the development of times, informations stored on Internet will spread more widely. This is certainly beneficial for cinema fans who visit sites like 21cineplex and IMDb . However, it is not matched by the ease in finding desired information. Users need to browse web pages for further information desired. The site also displays a lot of images that resulted in long waiting times, big internet traffic consumption, heavy and impressed when accessed via mobile phone.

Based on these problems, then application named Chit Chat Cinema was built. This application is an implementation of the Question Answering System where users simply enter question by using Indonesian language and it will give an appropriate answer. Questions that can be recognized is the title of movie based on a particular actor, now playing movie, coming soon movie, duration, actor's name whose played by particular movie title, genre, and synopsis. This application is targeted for Android platform. Applications connect to server that can respond and provide answers to user. Web service that located on server created using NodeJS and MySQL database. Information about movie was collected by using screen scraping to 21cineplex site. Question processing methods are tokenization, part-of-speech tagging, and rule-based named entity recognition. Process model is sequential linear.

From 260 questions were tested, there are 208 questions or 80% of total questions can answered correctly. The system gives wrong answer if question use unknown pattern, contain words that aren't recognized, and the name of entity is an Indonesian loan word.

Keywords: *Question Answering, Scraping, Web Service, Android, Film, Cinema, 21cineplex, Waterfall*