Abstract

Bali has a various kinds of arts, one of them is Balinese Song (Indonesian: Tembang). Tembang is literary work presented in the form of vocal and instrumental sound. Implementation of technology information related to the local arts are less developed. Societal perspectives consider the local arts are not give any influence to the modern life causes decrease in history preservation. Based this case, Lyrics Recognition System of Balinese Song Pupuh is made using Finite State Automata Method to separate syllables. The system is able to recognize lyrics of Pupuh based on the rule of Padalingsa Pupuh such as the number of lines in one stanza, the number of syllables in each line and the last vowel in each line. The system is expected to be an e-learning for elementary, middle-school students and general.

References

2. Waltz, David & Pollack, Jordan, 1985, Massively Parallel Parsing: A Strongly Interactive
Model of Natural Language Interpretation, Cognitive Science.


9. References for Natural Language Processing:

10. Berry, Gerard; Sethi, Ravi, 1986, From Regular Expressions to Deterministic Automata, Theoretical Computer Science 48

Index Terms

Computer Science Information Sciences

Keywords

Pupuh, Finite State Automata, syllables, e-learning, web application