

ABSTRACT

SOFTWARE DEVELOPMENT FOR MOVIE GENRE CLASSIFICATION BASED ON SYNOPSIS WITH BiLSTM ALGORITHM

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The genre of a movie is one of the main determining factors for the audience in choosing a movie to watch. Movie genres that show categories such as action, comedy, drama, and others provide an overview for the audience to anticipate the type of experience they will get after watching the movie. Bidirectional Long Short-Term Memory or BiLSTM, is one of the deep learning algorithms used to capture temporal relationships in sequential data such as movie synopsis. This research proposes the use of BiLSTM to automatically identify movie genres based on their synopsis. The implementation of text classification techniques on movie synopsis can be one of the efforts in assisting the categorisation process. The BiLSTM model is trained on a dataset of movie synopsis that have been labelled with their respective genres. Based on the test results, the movie genre classification system created by researchers obtained an accuracy of 41%. Therefore, the accuracy of the classification system model needs to be improved in future research.

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