

ABSTRACT

Language is a skill used by us humans to communicate with each other, the language also has its own system that exist for the communication process between one individual with other individuals running smoothly. Each language must have its own dialect or as much as possible from the way it speaks and the writing system.

Deep Learning is a learning from Machine Learning where the machine learns the processes done in the human brain, one of which is voice recognition. To recognize the language used in each region required a system that can recognize dialects that exist in the area. Therefore in this study author will try to create a speech recognition system by implementing the method of Recurrent Neural Network.

From the results of research conducted, searching the value of accuracy by changing epoch and MiniBatch parameters. After obtaining optimal result with epoch 300 and MiniBatch 10, then get the accuracy result of data trainer with test data is tested with data of Northern Sunda get 100% accuracy result, tested with other Sundnese test data get result accuracy 74.19%, and tested with data non Sundanese test get 48% accuracy.

Keyword: Deep learning, Speech Recognition, Recurrent Neural Network