Abstract

Nowadays, the telecommunication world is growing fast. Many telecommunication company appear. For handling telecommunication requirement, the telecommunication company need telecommunication modul in order that communication can run smoothly. PT Inti is industrial company which have a thousand kinds of telecommunication modul. That modul wants to distribute to telecommunication company in around of Indonesia.

In order that distribute modul exactly, so need the system which can predict a number of modul which distribute to minipool base of request pattern from customer so minipool can have a number of stock modul which exact.

In this final task study prediction modul telecommunication using Recurrent Neural Network in order that avoid loss in the future and reduce risk of error in distribution of modul. Based on the result that some factor which influence accuracy of prediction result is learning rate, epoch, and MSE.

Keyword: prediction, *Recurrent Neural Network*.