

Abstract

Drugs is one thing that needed to cure a disease. Many drugs sold in the Market. To cure a disease is not always just taking one drug, but may consume more than one drug. With this situation, possible interaction of drugs consumed either decreased, normal or increased effect with each other.

In this final project will try to build drugs interaction system with only limited output, There are decrease, normal and increase. It is intended to allow ordinary people to know what drugs interaction will consumed. But, the decision of drugs interaction still on pharmacist and physicians side.

In this final project using C4.5 algorithm, from the testing obtained result that system accuracy was 97% for 300 data and build up speed rule under 450 milliseconds. There are multiple drugs used contained in several attributes.

Keyword : C4.5, *interaction, drug, multiple data.*