

## Abstract

Research Title : The Developing of Knowledge-based System for the  
Medical Treatment with Herbs  
Author : Rujijan Vichivanives  
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This research aims to build knowledge-based system as a database for self-health care analysis with the theory of Thai Traditional Medicine. The content is divided into two parts; the first part is the analysis of element for people to evaluate themselves in terms of being aware of their own element and realizing the ways of looking after themselves as well as how to choose the food tastes they eat to make them healthy.

The second part is the analysis of illnesses according to the patients' birth element and present age element as well as specify herbs used in fundamental public health affairs for those illnesses by showing the details of Thai herbs including pictures, tastes, how to use them as well as what you should know about those herbs. (demonstrating by websites network program within Rajabhat Suan Sunandha University)

The population used in this study is divided into two groups; the first group is four experts of Thai traditional medicine. The second group is 300 website users containing children, teenagers, early working people, working people and the elderly. The methods used to collect data is paper questionnaires and poll questionnaires on the websites. The statistics used to analyze data is by percentage, on average and standard deviation.

The results are divided into three parts as follow:

1. The development of knowledge-based can be fulfilled according to the set goal.
2. The applied programs on the websites can be achieved according to the set goal.

3. The evaluation of the study; the findings are as follows:

3.1 The evaluation of the experts' viewpoints towards websites designs and the knowledge set of the knowledge-based system in medical treatment with herbs is good with the average viewpoints level 4.20.

3.2 The evaluation of the users' satisfaction (the members of website users in every age) is good with the average satisfactory level 4.24.

Furthermore, it also finds that population in childhood from 16 downwards in terms of looking after their own health is less than the population who are teenagers, working people and the elderly.

Recommendation:

1. This website should be disseminated for people to use as a tool to check their elements in order to evaluate themselves and be able to look after their own health with Thai herbs as well as encourage researchers to do this field of research extensively.

2. Do research to find new ways for children to take care of their own health with Thai herbs instead of playing computer games, chatting with friends on the face book or eating useless snacks.

3. Do research to look for new ways for every age of people to adjust their lifestyle using the principles of looking after their own health.

4. Develop a knowledge-based by increasing useful and safe herbs plants for people to make choices to have the right foods according to the theory of Thai traditional medicine.

5. Add knowledge consistently and update the data regularly in order to make information of the system in accordance with change.

6. Jotting down domain names for the users to use websites more easily as well as improving efficiency of the server to promote use this website faster.