

ABSTRACT

TE160814

Thesis Title : Software Development on Child Growth
Age 0 - 2 Years

Student's Name : Mr. Montri Masbang

Degree Sought : Master of Science

Major : Health Informatics

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Advisory Committee :

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The objective of this thesis is to develop a computerized program for observation of child growth from birth to 2 years. At present, the observation of child growth by the parents has limitation. As a result child growth impairment under standardize were not recognized by parents. So if the parents want to thoroughly know about the growth of their children, they must bring them to the hospital.

The tools of this study consist of computer systems, application of software eg. Visual Basic 6.0 for the development of the database and Microsoft Access 2000 for the development of the user interface and the test for effectiveness of information system in observation of child growth from birth to 2 years of age. Constructed questionnaire were used to evaluate the satisfaction of parents, information technology experts and pediatricians.

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The outcome of this research is the development of software for observation of child growth from birth to 2 years of age. The program was evaluated for satisfaction by three groups of people, the results are 94.18% of parents satisfied with it at good to excellent level, and also the technology experts and pediatricians.