Sistem Pakar Pemenuhan Standar Gizi
Ibu Hamil Berbasis Android
(Expert System Of Nutritional Standards Compliance
Pregnant Women-Based Android)

Dwi Erik Santoso
Program Studi Manajemen Informatika
Jurusan Teknologi Informasi

ABSTRACT

Nutrition of pregnant women is an important thing that must be met as long as the pregnancy progresses. The risk of fetal health is being conceived and mother containing would be reduced if pregnant women getting the nutrition that comply with the standard. Expectant mothers who are malnourished can lead to the occurrence ofthe birth of a baby weighing less than 2500 grams are called BBLR (Berat Bayi Lahir Rendah). Baby BBLR have likely died 35 higher than normal in infants, abnormal development, congenital defects, as well as newborn babies with low health status.

Lack of knowledge of pregnant women about the importance of nutrition as well of the lack the means to know the nutritional status of mothers into the main problems in fulfillment of nutrition. Problem solving is done, pregnant mother consulted directly with experts in order to get the nutritional status information. The limited spread of the experts and the cost required to consult is a major problem in solving problems of nutrition of pregnant women. expert system of pregnant women's nutrition standards compliance designed using Method forward chaining. Method of forward chaining is a suitable method for calculating the standard of nutrition of pregnant women by comparing among nutrient intake with his needs. Calculation calorie content of the food substance and the calculation standard of nutrition of pregnant women must be ideal and in accordance with the standards.

For the settlement of existing problems, need designed expert system compliance standards of nutrition of pregnant women Android based that is expected to make it easier for pregnant women in getting information about the nutrient intake and nutritional status.The information is later accessible where and whenever by pregnant women to find out nutritional status through the android by entering the menu of food consumed.

Keywords: Expert System, Nutritional Standards