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Development of Decision Support System For Determining Nutrient Pregnant Mother  
Using AHP (Analytical Hierarchy Process) Method. Supervisor : Purnomo Budi Santoso,  
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### **ABSTRACT**

This research discusses the selection of maternal nutrition in determining nutritional intake in the form of soup, a good alternative in the consumption of mother during pregnancy. This during a nutrition expert in choosing nutritional intake for pregnant mother still manual is to note a few complaints from pregnant mother the results obtained was not optimal, besides that decision on the selection of nutrition of pregnant mother generally have different factors, so that the selection of nutrition of pregnant mother generally have different factors so that nutrient selection becomes more difficult. For it is in need of Decision Support System (DSS). For the decision process become much easier, effective and efficient then in need of computerized processes and accompanied by the development of information technology techniques, such as Decision Support System (DSS) capable of combining data and analytical models for problems that are semi-structured or unstructured.

In conducting the selection process of nutrition pregnant mother is in use 8 criteria to select the best nutritional intake, 8 criteria include :Calcium, Energy, Vitamin A, Phosphorus, Folic Acid, Vitamin K, Lodium, and Iron. In this research, computational methods of decision making system in use is the method of Analytical Hierarchy Process (AHP). Resolution process conducted by the AHP method are: A). Determining the number of criteria, B). Making comparisons between the soup, C). Determining the number of alternative soup, D). Making comparisons between the soup, E). Set the overall ratings or global priority. The end result of global priority value in the form of soup that will the best alternative at experts recommend the consumption or nutrition for pregnant mother.

**Keywords : Maternal nutrition election, decision support system, AHP, alternative soup.**