DESIGN AND IMPLEMENTATION OF MOBILE APPLICATIONS FOR DEVELOPMENT AND PROVIDING NUTRITION GUIDE FOR INFANTS AGE 0-2 YEARS

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ABSTRACT

Along with the rapid development of today’s technology, the technology of mobile devices have become a part of our daily lives. Almost all people have a smartphone. With the technology community with very easily get information anytime and anywhere.

Age 0-2 years is a good time to introduce a wide variety of food to the baby, but we can not carelessly give it because at this age infants are very susceptible to allergies. It happened because of incomplete gastrointestinal tract in infants. Also in this period the infant brain develops very quickly to learn all the new things that are around that would have an impact on the baby later on.

Therefore required considerable knowledge about what foods are suitable for infants according to their stage of age and allergy. This mobile device applications using advanced raintaian (forward chaining) and the chain of backward (backward chaining) to provide recommendations for infants nutrition according to age and allergies. By knowing the age and allergy can be made a few rules that will be able to make a recommendation for any food ingredient suitable to the circumstances and determine whether the infants food that matches the desired state of the infants. In addition, this application can also provide information regarding the
development of benchmarks and first aid for babies so that parents can handle the baby properly. This application also has a feature to record the growth of infants like a Kartu Menuju Sehat.

**Keywords**: Allergy, Baby, Backward Chaining, Forward Chaining, Nutrition, Recomendation.