ABSTRACT

INTELLIGENT APPLICATION OF ADJUSTMENT DIET NUTRITION NEEDS PRIORITY FOR DIABETIC PATIENTS (ANAMNESA NUTRITION)

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Failed in diet can be fatal to health. The changes in eating patterns or errors can result many diseases, including diabetes. To avoid this illness, it takes a balanced diet among the number, type, and schedule (3J) of fed with the needed nutrients.

Some information that is able to support the form of personal data, personal history, nutritional assessment, dietary history, food anamnesa day (recall) and the design is summarized in the document of anamnesa nutrition. System of documentations was still manual, leading to some common problems such as difficultly finding patient data that has been long and correction of dietary progress that is being carried out by nutrition experts in poly nutrition of Hasan Sadikin Hospital (RSHS) Bandung.

The concept of Expert System that can apply the skills of nutritionists can be used to resolve the issue. Natural Language Processing (NLP) can be used as a method for checking a recall of food a day to adjust to the nutritional needs of patient's 3J.

After the application with this method is applied, the rules can be applied to processing 3J diet, archiving every stage of the diet of patients are better organized, and human error can be overcome in the calculation and determination of the nutritional status of patients.

Keywords : diet, nutrition, expert system, natural language processing, nutritional assesment, dietary history, anamnesa, recall.