

ABSTRACT

Baby and children under five is included in malnutrition potential age that makes them easily suffer from bad nutrient condition. Nutritional problem in baby and children under five is able to decrease the health condition and even end to death. To prevent the nutritional problem in Bandung City, the government has conducted a routine program named Children under five Monitoring Program in every Posyandu in Bandung City, the activity consists of weight measurement for every child and vitamin A distribution. In addition, to the program, the city government also conducts the needed intervention or feedback that proper with the child condition in certain region which is identified as malnutrition potential subdistrict. The intervention and feedback is provided after the city government identifies the condition of a region based on monthly report, especially in children under five weight measurements in February and August. Nevertheless, the matter is that the intervention cannot be immediately delivered by the city government due to the late reporting from Posyandu to Puskesmas and from Puskesmas to city level. The lateness is within 25-30 days every month, it hampered the intervention distribution in preventing the malnutrition problem in every region of the city. As the solution, this final work will design a web-based information system which enables the input process of the child weight and the data processing, and able to provide the information needed immediately.

The designing process of the information system is started by conducting an analysis towards the observation on existed children under five monitoring business process. The result of the analysis is used for the reference for creating the process business refinement. The required data for the design is obtained from the Posyandu, Puskesmas and Bandung City Health Office.

The information system is designed to decrease the lateness of information flow or the reporting from Posyandu to Bandung City Health Office. In addition, it will enable the Posyandu officer to input and processing the data. The system will process the data inputted in Posyandu, and produce different reports needed in every level, including the report regarding the malnutrition risky area and non-risky area needed by Bandung City Government to become a consideration in delivering the necessary intervention.

From the research result, it can be concluded that this information system is able to reduce the lateness of the reporting occurs in every level and enables the nutrient officers to input and processing the data. In addition, the city government is able to provide the supporting tool in decision making process for intervention delivery for children under five malnutrition problem.

Keyword : Information System, Children under five nutritional status, malnutrition.