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PREGNANT NUTRITION DATA REPORTING SYSTEM

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Application
Computerized
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ABSTRACT The system for reporting nutritional data on pregnant women at the Bantul Health Center currently uses the manual method, namely by handwriting or recording in a ledger, currently we are looking for data and making reports for each period experiencing difficulties. With the data processing system above, the work system carried out by the Bantul Health Center can be more effective and efficient in its performance when using a computerized system..

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1. INTRODUCTION

The Bantul Health Center was established in 1993 and is located in the Bantul area, South Metro Regency. Metro City is one of the government agencies engaged in public health services, including monitoring the nutritional status of the community, especially pregnant women. The data processing process at the Bantul Health Center is still manual, especially in making reports on eating patterns. Pregnant women still use records in ledgers, resulting in slow data processing and data collection needed as reports, making it less effective and efficient in producing the required data information. Therefore, to help improve the quality and accuracy of the information, a "computerized system is needed to process data processing"(Rahmawati et al. 2022) activities for the Recapitulation of the Nutrition Report of Pregnant Women.

2. MATERIALS AND METHODS

Data Processing. Islami et al. (2021)"Data processing is an operation based on information planned" to achieve a goal or result. Data processing is a process of collecting raw data in the form of documents which are then entered into a computer work system to be processed to produce useful information. Data processing is divided into three, namely:

a) Manual data processing is a data operating system carried out by hand with the help of essential tools such as pencils, rulers, paper, and so on.

b) Mechanical data processing combines people and machines, such as an employee working with devices.

c) Computer data processing is an arrangement of input devices of a central data processing unit and output devices

Analysis and Design Analysis The Maternal Nutrition Data Reporting System currently running at the Bantul Health Center has weaknesses that can cause many problems. The disadvantages of the data recording system for the Recapitulation of the Nutrition Report of Pregnant Women at the Bantul Health Center are:

a) Recapitulation of nutrition reports for pregnant women is still manual, so it wastes a lot of time.

b) Report storage is still slow and inefficient, so the quality of the work produced is unsatisfactory.

c) There is a buildup of archives so that, if necessary, the file data must be searched first.

Limits of Automation, the proposed application is intended to automate several processes related to the processing of recapitulation data on nutrition reports for pregnant women at the Bantul Health Center, namely:

a) Reporting on nutrition data for pregnant women by nutrition officers.

b) Searching for data on pregnant women by nutrition workers.

3. RESULTS AND DISCUSSION

Design. Improvement of the proposed system at the Bantul Health Center related to the recapitulation of nutritional data reports for pregnant women. For more details, the proposed method for reporting nutrition data for pregnant women at the Bantul Health Center can be seen in (Figure 1). Based on the analysis, the next step is to build a database, the database design refers to (Figure 1) and produces a method as in (Figure 2).

4. CONCLUSIONS

Based on the analysis, design and results, the following conclusions can be drawn.The new application in processing the recapitulation data of pregnant women's nutrition reports at the Bantul Health Center is expected to provide

convenience and solve speed problems, especially in the input process, searching for pregnant women's data and making reports in a short time, as well as producing accurate data and data security

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Zaki and Islami (2021),Supriyatin et al. (2021),Avia et al. (2021)They are research papers that become the basis of reference for the author so that they have indirectly contributed to this research. At the same time, some papers like Islami et al. (2021)Saputra and Redo (2021)Redo et al. (2021) are the papers that have the most influence on the outcomes and ideas that emerge in this research. The source of funding for this research comes from local funds from the Dharmawacana Research and Community Service Institute.

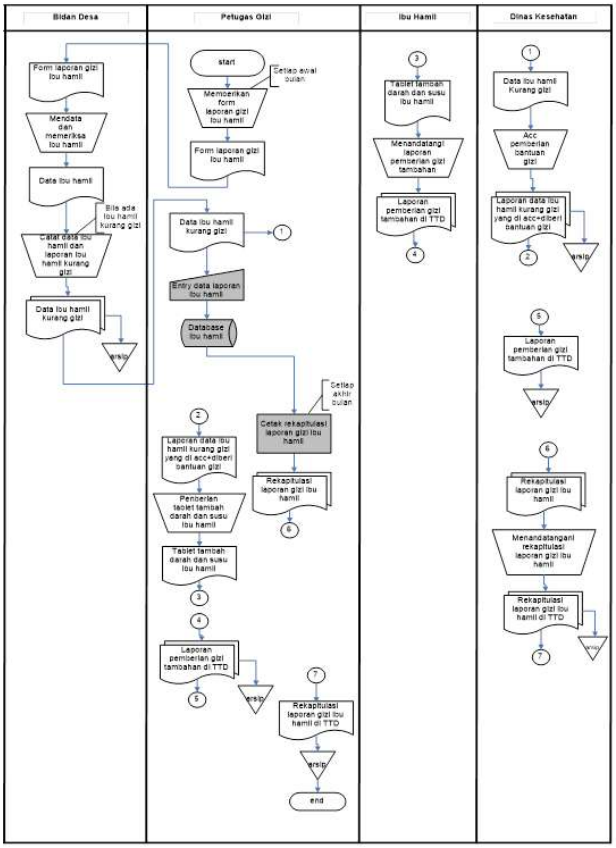


FIGURE 1. Flowchart of the Design of Maternal Nutrition Data Reporting System.

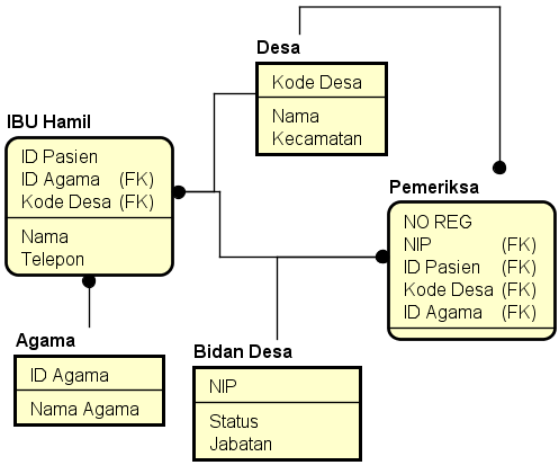


FIGURE 2. Design of Relationships between Tables of Maternal Nutrition Data Reporting System.

AUTHORS' CONTRIBUTIONS

They are those who have contributed to completing this research with responsibilities and abilities according to their respective fields. MAS MNI Designed this Research and wrote the initial manuscript. S Making improvements to manuscripts and matters related to publications, UA Translating texts, and doing some designs. "All authors have agreed to the final version of the manuscript."

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