

**DEVELOPMENT OF A WEB-BASED INFORMATION SYSTEM FOR
DETECTION OF NUTRITIONAL STATUS OF TODDLERS AND
PREGNANT WOMEN AT POSYANDU KEMUNING LOR JEMBER**

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ABSTRACT

Posyandu Manggis 18 is a health services that applies the documentation method of recording, nutritional tracking, and reporting manually. In previous research, researchers designed and created a web-based E-Posyandu system to assist cadres of posyandu manggis 18 Kemuning Lor villages in documenting and reporting the health status of mothers and toddlers. The weakness in the system made by researchers is the lack of features to detect the nutritional status of toddlers automatically, the system is limited to only recording the health status of mothers and toddlers. This type of research is research and development, namely designing, creating, and developing a web-based information system for detecting the nutritional status of toddlers and pregnant women using the fuzzy Sugeno problem-solving method with the prototype system development method and the Laravel framework. This research was conducted by interviewing, observing directly, and doing documentation to obtain data and information used as material for making the system. The information system for detecting the nutritional status of toddlers and pregnant women has 2 admin and user access rights, for the admin has full access rights to the system such as adding cadre data, adding, changing, deleting data on toddlers and pregnant women, and printing posyandu reports. user has limited access rights and can only add, change, and delete data on toddlers and pregnant women. Further research is expected to develop a more complex information system for detecting the nutritional status of toddlers and pregnant women by adding menus or features that are still lacking to make it easier for Posyandu cadres in Kemuning Lor Jember village in conduct examination services for toddlers and pregnant women.

Keywords: *information system detection of nutritional status, nutritional status, research and development,*