WEB-BASED INFORMATION SYSTEM FOR SERVICES AND MANAGEMENT OF POPULATION DATA

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ABSTRACT

A service information system and population data management was built to assist village staff in managing population data and providing services for making certificates of incoming transfers, outgoing mutations, deaths, different names, statuses and births. This information system also functions to help residents or residents of Ambarketawang Village to submit certificates of entry transfer, exit mutation, death, different names, status and birth. Data on certificates of incoming mutations, outgoing mutations, deaths, different names, statuses and births are not integrated with population data and are still recorded using paper and books so that making certificates takes a long time and is prone to data inconsistencies. People still have to come to submit a certificate and queue. Based on these problems, the solution is to build a computerized population data management and service information system where each data can be integrated in real-time. System design uses Data Flow Diagrams (DFD) and Entity Relationship Diagrams (ERD). The implementation process uses the programming language Hypertext Preprocessor (PHP), Hypertext Markup Language (HTML), and Cascading Style Sheets (CSS). The author uses Visual Studio Code tools, and uses the Laravel PHP 9 framework. System testing uses the Black Box Testing method. The results of the implementation of the service information system and population data management are expected to be able to assist residents in submitting certificates, as well as assist village staff in managing all population data that has been integrated with each other in real-time and accurately.

***Keywords**: System Implementation, Population, Information Systems*