

ETHNO-INFORMATICS FOR ANTHROPONIMI CLASSIFICATION IN SUMEDANG DISTRICT USING DATA MINING

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Abstract

Ethnoscience is used to view cultures from scientific perspectives, and it can give a better understanding of how to develop various forms of knowledge and belief. Ethnoscience study initially focuses on ecology and existing historical contributions. One of the fields studied in ethnoscience is ethno-informatics, which is an application of informatics in cultures. In this study the informatics used is the knowledge discovery in database process in data mining, which is a process of extracting knowledge automatically from an enormous database in order to obtain interesting patterns so that knowledge can be deduced from it.

The cultural application in question is anthroponymy by exploring the population database in Sumedang region. The database is the result of the census from the Demographic Services in Sumedang in 2019. In this study, the aim to be achieved is exploring the data of the resident names in Sumedang district in the last hundred years, outlined as follows:

1. To describe the information of the resident naming in the last hundred years, including **missing names, names that tend to be no longer in use, and names that are relatively new**, in the form of tables and graphs.
2. To describe the information of the resident naming in the last hundred years based on urban areas and rural areas, in the form of tables, graphs and location maps.
3. To describe the information of the resident naming in the last hundred years, based on 5 regions (North, South, West, Central and East) in the form of Tables, Graphs and Location Maps
4. To describe the favorite names of the resident naming in the last hundred years, grouped into **the meaning** of the resident naming based on certain indicators
5. To develop an Anthroponymy Ethno-informatics Application in Sumedang District in order to manage the resident naming information, including four subsystems in the points above

We built the application for anthroponymy Ethno-informatics, and the result gives a recommendation as follows:

- This study is expected to give inputs to the society, especially for the young generations as their guide in daily life
- This study is expected to give inspiration and motivation for the government to preserve local cultures in each region.

Keywords: Atnthroponymy, Ethno-informatics, Sumedang Area, Data Mining