

## ABSTRACT

*Indonesia is currently a country that has a Maternal Mortality Rate (MMR) and Infant Mortality Rate (IMR) two times higher than other countries in Southeast Asia. In addition, there are still several health centers in Indonesia that collect data on pregnant women using conventional methods. The purpose of this research is to assist pregnant women in knowing the disease they are suffering from based on the symptoms they experience and also to assist midwives/medical personnel in collecting data on pregnant women and especially the location of the pregnant women's residence.*

*The existence of a geographic information system and an expert system is very helpful in educating pregnant women in knowing the disease they are suffering from and solutions for their prevention, using the Certainty Factor method/algorithm.*

*For testing, this system uses several test scenarios such as login test scenarios, additional pregnant women, consultations and others*

*Keywords: Pregnant Women, GIS, Certainty Factor and Expert System.*