

**Aplikasi Deteksi Dini Penyakit Komplikasi Diabetes Mellitus Berbasis Web
di Puskesmas Panarukan Kabupaten Situbondo** (*Application of Early
Detection of Diabetes Mellitus Complications in Web-Based at Puskesmas
Panarukan, Situbondo Regency*) Pembimbing (Sustin Farlinda, S.Kom, MT)

Fahirah Tamara Salim
Study Program of Medical Record
Department of Health
Program Studi Rekam Medik
Jurusan Kesehatan

ABSTRACT

The high number of people with diabetes mellitus in Puskesmas Panarukan and the easy with which diabetes mellitus develops into a complication that can affect almost all human body systems, from the skin to the heart. The purpose of this research is to design and make a rapid and accurate application of early detection of diabetes mellitus web-based complications using the waterfall system development method and the Dempster-shafer method. Data retrieval is done by interviews, observations, and documentation conducted to doctors and information systems and database officers. The results of this research are the application of early detection of diabetes mellitus web-based complications in Puskesmas Panarukan which is expected to be useful and make it easier for officers or doctors in determining the complications of diabetes mellitus. Suggestions for further research in order to make the report section in this application better is to illustrate a map of the area of disease.

Keyword : *Diabetes mellitus, Early detection, Complications*