

# **SISTEM PAKAR DIAGNOSA PENYAKIT PADA BEBEK MENGUNAKAN METODE *DEMPSTER SHAFER***

**Fadhil Adiyatma Luckyta**

*Study Program of Informatics Engineering*

*Majoring of Information Technology*

## ***ABSTRACT***

The population of ducks in Indonesia continues to increase from year to year, in 2017 it has reached 49,709,000 heads and Indonesia is in the top five in the world, while China is the country with the highest duck population. Duck is a very important producer of meat and eggs in the Asian region, growth and development can progress rapidly. With the high demand for duck meat and the lack of understanding of the community and breeders to take appropriate action on ducks that are affected by the disease so that it can be fatal. Not only affects ducks, duck disease will also have an impact on humans if not treated quickly. These problems can be overcome by the existence of a system that can detect dengue fever early to help detect the disease early from the symptoms experienced. This study uses the Dempster Shafer method, where later this expert system can help an expert in diagnosing diseases in ducks based on the symptoms experienced by the user. The Dempster Shafer method is used to calculate the accuracy of diagnosis in ducks. From testing the level of system accuracy, it is known that the accuracy level is 93%. Expert system applications can be used to diagnose diseases in ducks.

***Keywords:*** *Expert System, Duck animal, Dempster Shafer.*