

## **ABSTRACT**

The world of medical is growing rapidly nowadays as fast as the growth of sophisticated information technology. There are many kinds of diseases that can be accessed via Internet, not only based on text but recently there are also provided information based on multimedia which can help user/people searching (to search) information furthermore concerning to disease he/she has.

In other side, the growth of Artificial Intelligence enables Expert System to be implemented its uses in application for example in the world of medical world to decide/determine diagnose of certain disease. One of them is that, by giving information concerning to the diagnose of disease of lungs. The Expert System method used in this pilot project (final assignment) is Forward and Backward Chaining.

When there are those both facilities, it enables a user to determine the result of diagnose of disease he/she has as well as information included within using mechanism of inference of logical reasoning Forward or Backward chaining. The total degree of correspondence result between system and expert system analysis reaches/obtains 94,29%.

**Keywords:** *Expert System, Multimedia, Backward Chaining, Forward Chaining.*