

ABSTRACT

Today's society lives in a modern world that provides various conveniences and comforts in everyday life. But on the other hand these things can have a negative impact on health. Modern lifestyles tend to make people less physically active, unhealthy and irregular eating patterns, increased stress, and exposure to various pollutants that trigger free radicals in the body and result in body changes that often unknowingly lead people to conditions that trigger the onset of degenerative disease. Therefore, in cases like this, we must have a device that can make it easier for the public to recognize what causes the risk of triggering degenerative diseases.

In this Final Project research, the authors develop an application that can detect degenerative diseases through the symptoms felt by the community. With this application, it aims to be able to find out in advance the main causes or symptoms that the person has before making a diagnosis in a public hospital.

For the benefits that will be obtained in the future from the development of this application so that people do it more easily and practically, only using it via a smartphone or other computerized device. By using the certainty factor degenerative disease detection system method, it can provide the same performance as human intelligence quickly and effectively so that people minimize administrative costs for coming to public hospitals.

Keywords: *certainty factor, degenerative disease detection, expert system*