

## **Abstract**

Breast cancer is one of the most dangerous cancers that have caused many casualties. In Indonesia, breast cancer marks its place at second most killed cancer that happen to woman, after cervical cancer. To overcome this problem, first thing to do is to avoid factors that caused breast cancer. And also take routine checks on the breast to detect early indications of breast cancer.

Therefore, Breast cancer detection expert system is made to help detect early indications of breast cancer in patient's body. This is a web-based application that can be access by anyone at anytime, to do routine checks of breast cancer indications by our self. This final project was made by using backward chaining method, and implemented using PHP programming language, and MySQL's database as its knowledge base.

With this applications, the knowledge that possessed by experts about breast cancer, will be organized in knowledge base as a database that later can be used by the application. Conclusion will be taken based on diagnose using backward chaining method. With this application, peoples can take routine checks and obtain information about doctors and hospitals that can be further treatment .

**Key Word** :*expert system, breast cancer, backward chaining, PHP, MySQL.*