

## **ABSTRACT**

*Breast Cancer is an abnormal growth of breast cells that sometimes can be felt as a lump or mass that called Tumor. The types of Breast Cancer that will be discussed in this final project is early stage of Breast Cancer detects based on mammograph.*

*The expert system that will be used in this final project is a Variable-Centered Intelligent Rule System (VCIRS) to build knowledge-base, improve knowledge and the process of inferencing. VCIRS is an expert system method which is an amalgamation of RBS and RDR methods with each other complementing each other. The system architecture is adapted from RBS and takes advantage of the RDR.*

*Keywords: Breast Cancer, Variable-Centered Intelligent Rule System (VCIRS), Rule Based System (RBS), Ripple Down Rule (RDR).*