ABSTRACT

**THE APPLICATION OF SEQUENTIAL SEARCH ALGORITHM
FOR THE SEARCHING PROCESS OF INFORMATION
IN THE LEARNING SYSTEM OF HUMAN'S HEART**

By:

ADE HARDIYANTI

Without no doubt, technology supports the human life and can be applied in many aspects, for example in education development. Learning process using computer as an aided tools are commonly used. The Application of Sequential Search Algorithm for The Searching Process of Information in The Learning System of Human's Heart is an example of the application of computer in education that can be one of solution to help the learning process for teachers, lecturers, or students.

In this research we use the sequential search algorithm searching process in learning system of human's heart which is one of the search methods to facilitate text searches of the information required by the user.

This system gives information about the material that is related to the heart organ, i.e, heart anatomy, heart physiology, and heart pathology. The testing systems that used in this application is Black Box method. Black Box Testing is focuses on the functional requirements of the software. Black Box Testing is used for testing the system in order to know if the system work well.

Keyword**:** Black Box Testing, Heart, Sequential Search, Technology.