ABSTRACT

Information Technology has significant role to develop education. Users are not limited the implementation of learning process by time and space. The better and more attractive new learning system highly needed which is help to excellent mindset of student. The learning methods are more innovative and easily to understand.

Database Systems with Database Design is one of the core subject at Information System major, Faculty of Industrial Engineering, IT Telkom.This subject is the basic subject that give the students lessons how to database design stage first before development / implementation that database itself. Because of the importance of this subject at Information System major and develop the database, so that needs extra media to support the learning process and to increase the understanding level of student.

The final project develop a Game Based Learning about Database Design using HTML5. This game is designed to summarize the database design and present it into an attractive game play so that the student who raises curiosity higher. By using a method developed by Seel and Glagow (1998) is ADDIE Instructional Design Model, The Game Based Learning is expected to help the students understand the database design at Database System subject.

Keyword: Database Systems, Database Design, ADDIE, Game Based Learning, HTML5.