ABSTRACT

THE APPLICATION OF INTERACTIVE LEARNING VISUALIZATION (E-LEARNING) OF WEB BASED SENIOR HIGH SCHOOL PHYSICS WITH MULTIMEDIA CONCEPT THROUGH INSTRUCTIONAL PPROACH (A CASE STUDY IN SMA NEGERI 12 BANDUNG)

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Learning system is the most frequently used in general for education at present is in the form of conventional learning systems. On learning activities that occurred in the conventional sometimes encountered problems because of the limitations of distance, space, time. Besides the three factors, the usual problem is the lack of a comprehensive learning facility.

A case study in SMA NEGERI 12 BANDUNG, conventional learning has become a daily routine in the process of teaching and learning activities. Details of the above factors are frequent. Therefore, SMA NEGERI 12 BANDUNG School wanted a change in the process of learning - teaching physics, particularly for subjects that require a complete learning tool.

For that we need to find an alternative instructional media that have a more complete resource, area and meet the instructional approach that is by utilizing information technology to learning or often called e-learning. Development of software using the modeling language Unified Modeling Language (UML) and the methods used to build the company website is the method of the MVC (Model View Controller). By utilizing existing facilities in the neighborhood web-based e-learning optimally, expected to further motivate and collaborate in the following learning activities.

Keywords: *E-learning, web-based, the concept of multimedia, UML, MVC.*