

## ABSTRACT

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*At this time the teacher teaching methods just explained his theory without any props, so as to make the students do not understand the contents of the material presented. Particularly on the subjects of Natural Sciences high school class XI primarily hydrocarbon material. With the use of multimedia in education that is intended to facilitate students in understanding the material described by teachers in schools. For that need to be made an application that can explain chemical material hydrocarbon with simulation, visualization, and evaluation can help students' ability to understand the material. This interactive learning applications built using construction methods ADDIE model and use the features found in Adobe Flash CS 6, Blender, Adobe Illustrator, Adobe Audition in the process. This study was conducted on 30 students of class XI students. In knowing effectiveness testing applications by providing the ability questionnaire to teachers and students. Results of the questionnaire was concluded that the majority of respondents stated that the appearance of very interesting applications easily run can help the process of learning activities and are able to understand the material presented.*

*Keywords: Application, Multimedia, Hidrocarbon, ADDIE Model, Adobe Flash CS6.*