

## **DEVELOPING INSTRUMENT OF MULTIPLE INTELLIGENCES BASED ON COMPUTER, A MODEL OF TRACING INTEREST AND APTITUDE OF SENIOR HIGH SCHOOL STUDENTS**

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*This research was based on three main reasons; **first**, the development of intelligence theory not just oriented in cognitive aspect, so that originating theory of multiple intelligences; **second**, there was phenomenon of so many senior high school students that not yet understanding their own interest and aptitude when graduated from senior high school, so that they felt confused to determine their study program in higher education. The originating of multiple intelligences theory helped students in understanding and optimizing their potential ability; **third**, there had no standardized instrument of multiple intelligences that can make the work of instrument user easier, especially for guidance teacher to understand their students' ability characteristic or profile. Based on these reasons, this second year research was intended to produce instrument of multiple intelligences based on computer.*

*The research was development study by using qualitative approach. The research subjects were expert in computer programming and the students of senior high school as the instrument users. In this research, the development model used was procedural model oriented in the design of Borg and Gall (1983). This research in the second year was initiated by constructing computer program in the form of multiple intelligences instrument based on computer. Then the utility of the program was being tried out. Data collecting was done qualitatively by asking for feed back from expert in computer programming known as expert judgement. The research was also supported by quantitative data obtained from questionnaire given to the senior high school students. Data collected was analyzed qualitatively using technique of content analysis, and quantitatively using descriptive analysis.*

*The result showed that the instrument of multiple intelligences based on computer had been tried out for several times. The first try out was done to the expert, and got many suggestion and feed back. After being revised, the second try out of the instrument was done to the senior high school students who were concerned as user subjects. The result showed that the instrument was able to be used easily without any difficulty both in doing the test or in reading the report. In conclusion, the instrument of multiple intelligences based on computer was already able to use for senior high school students. Based on this result, it was suggested that the instrument was better completed by manual in order to make easier for the user, and also needed to be socialized to senior high schools for tracing the students' interest and aptitude.*

*Keywords: instrument of multiple intelligences based on computer, senior high school students  
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