

ANALYSIS OF STUDENTS' MENTAL MODEL AT SMAN 1 CAWAS KLATEN IN HYDROLYSIS CHAPTER

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This study aims to analyze students' mental models at SMAN 1 Cawas, Klaten in hydrolysis chapter. This research was conducted at SMAN 1 Cawas in December 2015 to June 2016. Subjects of this study are students of XI MIA Unggulan 3 SMAN 1 Cawas, Klaten.

This study is a qualitative research with ethnography method. Data collected by classroom observation, in-depth interviews, and reflective journal. This study used qualitative data analysis. Quality standards that used in this study are trustworthiness with the criteria of credibility, prolonged engagement, persistent observation, progressive subjectivity and member checking.

The results showed that students in XI MIA Unggulan 3 SMAN 1 Cawas, Klaten build their mental models based on their understanding and experience and influenced by the students' environment and characteristics, namely politeness, empathy in communication, and assume that the teacher is always right. Students' mental models in hydrolysis is divided into appropriate mental models and mental models that do not fit with the concept of hydrolysis. Incompatibility students' mental models affected by student's understanding and student's experience.

Keywords: *Mental Model, Ethnography, Hydrolysis*