

Syefia Azizia Malik. 2016. **Optimizing the Application of Authentic Assessment to Measure the Attitudes and Skills of Students in the Sub-Concept of Waste Recycling in SMA Negeri 17 Bandung**. Advisor 1: Dra. Hj. Lilis Suhaerah, M.Kes and Advisor II: Mrs. Ida Yuyu Nurul Hizqiyah, S.Pd., M.Si.

ABSTRACT

This research was conducted based on the background that the application of authentic assessment on a sub concept has not been optimal. This is because the teachers less understand about authentic assessment, teachers assess learners' foci only from the cognitive domain, the attitude of the learners that is lacking at the time of the learning process, then the teacher less digs learners' skills at a time when the learning process. This research aimed to find out how to optimize the application of authentic assessment in measuring attitudes and skills of students at the sub concepts of waste recycling. The participants of this study were students of class X IPA 3 SMAN 17 Bandung, with the number of students was 31 students, curriculum experts and authentic assessment experts. The method used in this research was descriptive approach. In addition, the method used was Pre-Experimental Design (non-design), it was the research approach that the real experiment where control class is impossible to conduct. The research instrument used were an assessment rubric attitude to work, an assessment rubric product-skills, student questionnaires, interviews about 2013 curriculum and authentic assessment. The results showed that the average value of the attitude of learners was 88.23, it belongs to the excellent category, and the average value of skills was 88.62, it belongs to the very good category. In conclusion, optimizing the application of authentic assessment to measure the attitudes and skills of students in biology at the sub concept of waste recycling can improve student learning outcomes.

Keywords: Authentic Assessment, Attitudes Assessment, Skills Assessment, Recycle, Waste, Waste Recycling and Optimizing.