ABSTRACT

The observation result in learning process and evaluation at SMA Negeri 1 Malang showed that the assessment by biology teacher only usually done in cognitive competence with the test instrument was only daily assignment. So the other competence like affective and psychomotor had not already been done optimally. There was no assessment instrument like rubric or the other instrument. That caused many students that had great mark in cognitive but they could not apply their knowledge with practice, and so for the students that had not really good mark in cognitive but they could do practice to apply their knowledge.

The goals of this research are to know how the using of performance assessment can optimized the student perceptual ability and cognitive ability, and also to know the number (%) of student that able to be optimized of their perceptual ability at SMA Negeri 1 Malang. This research uses the classroom action research method with two cycles where one cycle is consisted by planning, action, observing, and reflection.

The results show that performance assessment was the assessment that done with observing the students activity in doing something. This assessment is reliable for use to assess the reaching some competence such as hearing, demonstrating and practice. The student performance was interpretation of information processing that they got before, this process called perceptual abilities. So, performance assessment can optimize the perceptual abilities of student.