ABSTRACT

ENHANCING LEARNING ACHIEVEMENT BIOLOGY
MIND MAP TECHNIQUE WITH RECORDING AND MEDIA
X CLASS STUDENTS IN THE STATE HIGH SCHOOL (SMA) 1
BENGKUNAT WEST LAMPUNG

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This study aims to describe (1) Planning the learning of biology that uses a mind map recording techniques and media. (2) The process of learning biology using mind map recording techniques and media. (3) learning evaluation system in teaching biology students who use mind map recording techniques and media. (4) Improving learning achievements of students in the learning of biology that uses a mind map recording techniques and media.

The method used in this study was classroom action research conducted within 3 (three) cycles. In the 1st cycle of recording technique was used mind map. In the second cycle-2 is used recording techniques and media mind map drawings, and the 3rd cycle used mind map recording techniques and media images coupled with the media realia.

The results of this study indicate that: 1) Planning learning developed by researchers to increase the assessment on each cycle, the increase is derived from the assessment APKG 1 in cycle-1 to reach 2.97 (enough), the cycle to reach 3.76-2 (good) and the 3rd cycle reaches 4.40 (very good). 2) The number of active learners who experienced an increase in the cycle 1 to cycle-to-3, in class X1 reached 51.32% (cycle 1), 71.05% (cycle 2) and 89.47 (cycle 3 ). In class X2 reached 43.59% (cycle 1), 57.69% (siklus2), and 75.64% (cycle 3). 3) The validity, reliability, power differences and difficulties about the evaluation system has increased in each cycle, the cycle of the consecutive-1 is 0.59 (enough), 0.57 (enough), 0.33 (good) , and 0.43 (medium). Cycle-2: 0.64 (high), 0.63 (high), 0.44 (very good), and 0.53 (medium). Cycle-3: 0.76 (very high), 0.79 (very high), 0.53 (very good) and 0.62 (medium). 4) Percentage of students who completed the study experienced an increase in each cycle, class X1 completeness percentage reaches 52.60% (cycle 1), 81.50% (cycle 2), and 100% (cycle 3), reaching 51.30%, class X2 (cycle 1) 84.60% (cycle 2) and 92.30% (cycle 3).

Keywords: academic achievement, mind map, learning media.