

ABSTRACT

Diar Raudhatul Farihat. 2017. **The Use of Media-Based Learning MIVI to Improve Student Learning Outcomes on The Concept of Human Reproductive System.** Supervisor 1 by H. Dadi Setia Adi, M.Sc., Ph.D. Supervisor 2 by Dra. Hj. Lilis Suhaerah, M.Kes.

This study aims to prove the improvement of the student learning outcomes in the use MIVI-based learning media on the concept of human reproductive system. This study was conducted based on the background of the low learning outcomes of students of class XI IPA on the concept of human reproductive system, where very rarely the teacher to use the computer media. As a result student are less interested in following the lessons of biology and experiencing a saturation in the learning process. The method used is *Quasi Experimental Design*, with *One-Group Pretest-Posttest* research design. The subject of this research is the students of grade XI IPA 1 in High School Sumatra 40 Bandung. The results showed the average value of *pretest* 45,87 and *posttest* amount 84,58. After doing the research pretest and posttest the researcher proceed with the Z test, and obtained with the result of the Z test significant, because $Z_{hit} > Z_{tab}$ of $25 > 1,65$ with the level of significance $\alpha=0,01$. The results of data processing show that the hypothesis H_0 is rejected, so there is a significant difference between the students before given treatment and after the given treatment with the use of media-based learning MIVI. For the assessment affective and psychomotor of the obtained data average student meet the criteria of good. As for the response of students towards learning, to get a positive response, and meet the criteria better. It can be concluded that the use of media-based learning MIVI in the study biology on the concept of human reproductive system can improve student learning outcomes.

Keywords : Human Reproductive System, Learning Outcomes, MIVI (Multimedia Interactive Visual).