

ABSTRACT

Rizki Sitti Rachmawati, 2018. **IMPLEMENTATION OF LOCAL WISDOM-BASED LEARNING MODEL "BEBENTENGAN" TO IMPROVE THE STUDENT'S MASTERY ON THE MATERIAL MOTION SYSTEM.** Guided by Dr. Hj. Mia Nurkanti, M.Kes. an Mimi Halimah, S.Pd, M.si

Biology learning today often experiences obstacles, including inappropriate learning models, inappropriate media use, always passive class conditions, including lack of teachers in paying attention to students' circumstances and interests in the classroom. Many things can be done by the teacher to stimulate and improve the thinking of students, including through an ethnopedagogic based learning model in which learning models that apply the values of the nation's local cultural wisdom that uses one of Sundanese cultural games, namely "bebentengan". Bebentengan is a children's game which is played by 2 groups, each of which has a fortress, namely from brick or stone which is associated with biological material regarding the motion system in the human body. The study was conducted to determine the process of mastering the concept of students in class XI on the subject of Biology of motion system material in Puragabaya Bandung High School and the learning model used can improve the mastery of the concept of class XI in Puragabaya High School Bandung. In this study experimental design method was used, the research subjects were all students of class XI IPS Puragabaya Bandung high school 2018/2019 school year by using 1 class namely experimental class, with purposive sampling. This research instrument is a concept mastery test, student worksheets (LKPD) and observation sheets for students. Data from the improvement of students' concept mastery is obtained from the posttest results analyzed using the SPSS v23 application. The results showed that the mastery of students' concepts about the students' initial motion system (pretest) obtained an average value of 7.50 and the mastery of students' concepts after learning increased by obtaining an average value (posttest) of 7.34

Keywords: *Ethnopedagogic, Bebentengan, Mastery Of The Concept, Motion Systems.*