ABSTRACT

Avianti Dwi Rahmasari, 2019. Learning Cycle 5E Model in Process Science Skills Improvement on Students Class X in Biodiversity Concept. The first Supervisor: Prof. Dr. H. Toto Sutarto Gani Utari, M.Pd. and The second Supervisor: Dr. Mia Nurkanti, M.Kes.

This study aims to determine whether the 5E learning cycle model can improve students' science process skills in the concept of biodiversity. The subjects in this study were class X MIPA1 in Pasundan 7 Bandung Senior High School. About 32 students were sampled using purposive sampling technique. The research method used was pre-experimental research design with one group pretest-posttest design. Then student's science process skills were measured as a parameter. The research instrument were 20 multiple-choice questions and LKPD questions. The research obtained average pretest of 41.41 and average posttest of 75.78 with the highest N-Gain value of 1.00 and the lowest N-Gain value of 0.44. LKPD for observing, classifying, communicating, and concluding indicators respectively were 79.17%, 87.50%, 79.17%, 91.67%, and 91.67%. This result showed that the ability of students' science process skills has increased after learning using the 5E learning cycle model. It can be concluded that the ability of science process skills in students can be increased through the 5E learning cycle model.

Keywords: Process Science Skills Improvement, Learning Cycle 5E Model, student's