ABSTRACT

HILDA SHAVINA. The Impact of Cooperative Integrated Reading and Composition Based on Scientific Approach (Cirsa) Learning Model on Students' Metacognitive Skill in Reproduction System Material. Guided by RIZHAL HENDI RISTANTO, REFIRMAN DJAMAHAR.

Students' lack of reading interest were able to impact their metacognitive skill, as well as in learning reproduction system which has difficult to apprehend aspects. This study aimed to identify the impact of Cirsa learning model on students' metacognitive skill in reproduction system material. The method conducted in this study was quasi experimental using pretest and posttest control group design. The instrument used was metacognitive skill test about reproduction system material amounted 10 valid and high reliable questions. This study was conducted in 31 State High School Jakarta on April 2019. The subjects of this study were 72 eleventh grade students by conducting simple random sampling technique. The validation test showed that 10 out of 10 questions were valid. The reliability test showed the r_{hitung} value was 0,733 and was highly significant. Analysis of prerequisite data used the Kolmogorov-Smirnov test for normality and the Levene test for homogeneity. The results obtained from the prerequisite test were normally distributed data and came from both homogeneous populations. The effectiveness test of Cirsa learning model with normalized gain calculation obtained a score of 0.42 and included in the medium category. Hypothesis testing using the Independent t-test at $\alpha = 0.05$ then obtained a significance value of 0.008 which indicated that there was an impact of the Cirsa learning model on understanding the concept of the reproduction system. This study concluded that there was an impact of Cirsa learning model on students' metacognitive skills in learning reproductive system.

Keywords: *Cirsa learning model, metacognitive skills, reproductive system*.