

ABSTRAK

SISCA AMALIA PERMADI .2023. **PENGARUH PEMBELAJARAN *BLENDED LEARNING* TIPE *FLIPPED CLASSROOM* TERHADAP KETERAMPILAN BERPIKIR KRITIS DAN KETERAMPILAN KOLABORASI PESERTA DIDIK PADA MATERI SISTEM EKSKRESI PADA MANUSIA** (Studi Eksperimen Kelas XI MIPA SMAN 5 Tasikmalaya Tahun Ajaran 2022/2023) Jurusan Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Siliwangi.

Berpikir kritis dan kolaborasi merupakan suatu keterampilan yang perlu dikembangkan dan diperlukan peserta didik dalam proses belajarnya. Upaya yang dilakukan yaitu menerapkan metode *blended learning* tipe *flipped classroom* yang merupakan kombinasi pembelajaran daring dan luring. Penelitian ini bertujuan untuk mengetahui pengaruh pembelajaran *blended learning* tipe *flipped classroom* terhadap keterampilan berpikir kritis dan keterampilan kolaborasi peserta didik pada materi sistem ekskresi pada manusia di kelas XI MIPA SMAN 5 Tasikmalaya, Tahun Ajaran 2022/2023. Penelitian ini menggunakan metode kuantitatif *quasi experiment* dengan desain penelitian *non-equivalent control group design*. Populasi seluruh kelas XI MIPA sebanyak 250 peserta didik dan sampel yang diambil sebanyak 2 kelas yaitu XI-MIPA 4 dan XI-MIPA 6 dengan jumlah 72 peserta didik. Teknik yang digunakan yaitu *purposive sampling*, dengan kelas eksperimen XI MIPA 4 sebanyak 36 siswa dan kelas kontrol XI MIPA 6 sebanyak 36 siswa. Instrumen yang digunakan pada penelitian ini yaitu menggunakan test uraian sebanyak 10 soal keterampilan berpikir kritis dan angket CSAT sebanyak 10 soal keterampilan kolaborasi. Data diolah melalui uji prasyarat analisis berupa uji normalitas dan uji homogenitas, sedangkan untuk uji hipotesis menggunakan uji *one way ANOVA*. Hasil penelitian keterampilan berpikir kritis menunjukkan nilai Sig. $0,000 < 0,05$ dan nilai keterampilan kolaborasi menunjukkan Sig. $0,000 < 0,05$ sehingga terdapat pengaruh dari *blended learning* tipe *flipped classroom* terhadap keterampilan berpikir kritis dan kolaborasi peserta didik. Berdasarkan hasil penelitian dapat disimpulkan bahwa terdapat Pengaruh Pembelajaran *Blended Learning* tipe *Flipped Classroom* terhadap Keterampilan Berpikir Kritis dan Keterampilan Kolaborasi Peserta Didik pada Materi Sistem Ekskresi pada Manusia di Kelas XI MIPA SMAN 5 Tasikmalaya Tahun Ajaran 2022/2023.

Kata Kunci: Metode *Blended Learning*, *Flipped Classroom*, Keterampilan Berpikir Kritis, Keterampilan Kolaborasi, Sistem Ekskresi

ABSTRACT

SISCA AMALIA PERMADI .2023. *THE EFFECT OF BLENDED LEARNING FLIPPED CLASSROOM ON CRITICAL THINKING SKILLS AND COLLABORATION SKILLS OF STUDENT ON HUMAN EXCRETION SYSTEM (Experimental Study of Class XI MIPA SMAN 5 Tasikmalaya Academic Year 2022/2023) Department of Biology Education, Faculty of Teaching and Education, Siliwangi University.*

Critical thinking and collaboration are skills that need to be developed and required by students in their learning process. The effort made is to apply the flipped class type of blended learning method which is a combination of dare and offline learning. This research aims to determine the effect of flipped class blended learning on students' critical thinking skills and collaboration skills on human excretory system material in class XI MIPA SMAN 5 Tasikmalaya, Academic Year 2022/2023. This research uses a quantitative quasi-experimental method with a non-equivalent control group design. The entire population of class XI MIPA was 250 students and the samples taken were 2 classes, namely XI-MIPA 4 and XI-MIPA 6 with a total of 72 students. The technique used was purposive sampling, with an experimental class of XI MIPA 4 of 36 students and a control class of XI MIPA 6 of 36 students. The instruments used in this research were a descriptive test with 10 critical thinking skills questions and a CSAT questionnaire with 10 collaboration skills questions. The data was processed through rejuvenation tests in the form of normality tests and homogeneity tests, while for hypothesis testing using the oneway ANOVA test. The results of research on critical thinking skills show the value of Sig. $0.000 < 0.05$ and the collaboration skills value shows Sig. $0.000 < 0.05$ so there is an influence of the flipped class type of blended learning on students' critical thinking and collaboration skills. Based on the research results, it can be concluded that there is an influence of the Flipped Classroom type of Blended Learning on the Critical Thinking Skills and Collaboration Skills of Students on Human Excretory System Material in Class XI MIPA SMAN 5 Tasikmalaya for the 2022/2023 Academic Year.

Keywords: Blended Learning, Flipped Classroom, Critical Thinking Skills, Collaboration Skills, Human Excretory System.