

**KEMAMPUAN PENGAMBILAN KEPUTUSAN SISWA SMA TERKAIT  
KONSEP SISTEM RESPIRASI MELALUI *BLENDED LEARNING***

**SKRIPSI**

*Diajukan untuk memenuhi sebagian dari syarat untuk memperoleh Gelar Sarjana  
Pendidikan Program Studi Pendidikan Biologi*



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Sebuah skripsi yang diajukan untuk memenuhi salah satu syarat  
memperoleh gelar Sarjana Pendidikan pada Fakultas Pendidikan  
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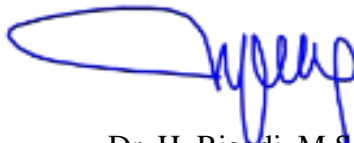
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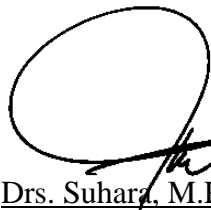
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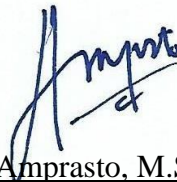
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## ABSTRAK

Tujuan penelitian ini adalah untuk menganalisis kemampuan pengambilan keputusan siswa terkait konsep sistem respirasi sebelum dan sesudah diterapkan pembelajaran *Socioscientific Issues* melalui *Blended Learning* dan bagaimana respon siswa terhadap pembelajaran tersebut. Metode yang digunakan dalam penelitian ini *Quasi Experiment* menggunakan *Pre-test Post-test Control Group Design*. Subjek penelitian adalah 65 orang siswa dari kelas XI MIPA 5 dan XI MIPA 6 SMA Negeri 4 Bandung. Data dikumpulkan menggunakan soal uraian terbuka kemampuan pengambilan keputusan, soal pilihan ganda penguasaan konsep siswa, dan angket respon siswa terhadap pembelajaran. Data kemampuan pengambilan keputusan siswa dianalisis menggunakan rubrik yang telah dibuat oleh peneliti kemudian dilakukan uji beda rata-rata menggunakan statistika parametrik *paired sample t-test* dengan bantuan program *SPSS Versi 22*. Angket respon siswa diolah berdasarkan skala *Likert* dengan bantuan program *Microsoft Excel*. Dilakukan uji korelasi *Pearson* guna mengetahui korelasi antara penguasaan konsep dengan kemampuan pengambilan keputusan siswa. Hasil penelitian menunjukkan pembelajaran konsep sistem respirasi melalui *Blended Learning* mampu mengembangkan keterampilan kemampuan pengambilan keputusan siswa. Siswa pada kelas yang diterapkan *Blended Learning* mengalami peningkatan kemampuan pengambilan keputusan yang tergolong dalam kategori sedang dan siswa dengan pembelajaran konvensional mengalami peningkatan kemampuan yang tergolong dalam kategori rendah. Uji korelasi menunjukkan bahwa tidak terdapat hubungan antara penguasaan konsep dengan kemampuan pengambilan keputusan siswa. Secara umum siswa memberikan respon baik terhadap pembelajaran. Sehingga dapat disimpulkan bahwa terdapat perbedaan kemampuan pengambilan keputusan sebelum dan sesudah diterapkan pembelajaran terkait konsep sistem respirasi melalui *Blended Learning* dan respon siswa setuju terhadap pembelajaran tersebut.

**Kata Kunci:** Kemampuan Pengambilan Keputusan, Sistem Respirasi, *Blended Learning*, *Google Classroom*, *Socioscientific Issues*

## ABSTRACT

The purpose of this research is to analyze decision making ability of high school student regarding concept of respiratory system before and after applied socio-scientific issue through blended learning and how student's respond. Quasi Experiment method was utilized in this research with Pre-test Post-test Control Group Design. The participant of this research are 65 students high school (XI MIPA 5 and XI MIPA 6) in SMA Negeri 4 Bandung. The instrument in this research uses the comprised essay of decision making abilities, multiple choice's questions of mastering student's concept, and student responses questionnaire towards learning. Data of student's decision making abilities were analyzed based on rubric that have been made by author then the average difference test was analyze using parametric statistics paired sample t-test with helps of SPSS version 22's program. Questionnaire's student responses were analyze based on Likert Scale with helps of the Microsoft Excel's Program. The results showed the concept of the respiratory system learning through Blended Learning are able to develop student's decision-making abilities. Students in the class that applied Blended Learning were increased in decision making abilities that were classified in the medium category and students with conventional learning were classified in the low category. Correlation test shows that there is no relationship between mastery of student's concept with student's decision making abilities. Generally the responses of the students about the learning is good. It can be concluded there are the difference between before and after the implementation of respiratory system concept through Blended Learning and student responses agreed to the learning.

**Key Words:** Decision Making, Respiratory System, Blended Learning, Google Classroom, Socio-scientific Issues

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