

ABSTRAK

Salma Aulia Maulida: “Penerapan Metode Pembelajaran Praktikum Berbantu *Olabs* Terhadap Keterampilan Berpikir Analitis Siswa SMA Pada Materi Pertumbuhan dan Perkembangan Tumbuhan”

Keterampilan berpikir analitis perlu ditingkatkan setiap siswa, salah satu cara dengan menerapkan metode pembelajaran praktikum. Tujuan penelitian untuk mengukur keterampilan berpikir analitis siswa pada materi pertumbuhan dan perkembangan tumbuhan setelah diterapkannya metode pembelajaran praktikum berbantu *olabs*. Penelitian *pre-experiemental* menggunakan desain *one group pretest-posttest*. Hasil penelitian menunjukkan terdapat adanya peningkatan rata-rata antara nilai *pretest* sebesar 38 dan *posttest* sebesar 71,64. Nilai N-Gain mendapatkan nilai sebesar 0,54 dan dikategorikan sedang. Keterlaksanaan proses pembelajaran dan respon siswa terhadap pembelajaran mempengaruhi keterampilan berpikir analitis siswa. Keterlaksanaan proses pembelajaran dapat disimpulkan berjalan sesuai rencana yang telah disusun sebelumnya. Sedangkan respon siswa terhadap metode pembelajaran praktikum berbantu *olabs* dapat meningkatkan keaktifan siswa dalam proses pembelajaran di kelas. Pemanfaatan *olabs* pada praktikum biologi materi pertumbuhan dan perkembangan tumbuhan dapat meningkatkan keterampilan berpikir analitis yang dimiliki siswa pada materi pertumbuhan dan perkembangan, hal tersebut disebabkan oleh pemberian permasalahan kepada siswa, sehingga siswa dapat memecahkan permasalahan yang diberikan.

Kata kunci: *Olabs*, Praktikum, Keterampilan Berpikir Analitis, Pertumbuhan dan Perkembangan Tumbuhan.



ABSTRACT

Salma Aulia Maulida: “Application of the Olabs-Assisted Practical Learning Method to High School Students' Analytical Thinking Skills on Plant Growth and Development Material ”

Analytical thinking skills need to be improved by each student, one way is by implementing the practicum learning method. The purpose of the study was to measure students' analytical thinking skills on the material of plant growth and development after the implementation of the practicum learning method assisted by olabs. Pre-experimental research used a one group pretest-posttest design. The results of the study showed an average increase between the pretest value of 38 and the posttest of 71.64. The N-Gain value was 0.54 and was categorized as moderate. The implementation of the learning process and students' responses to learning affect students' analytical thinking skills. The implementation of the learning process can be concluded as running according to the previously prepared plan. Meanwhile, students' responses to the practicum learning method assisted by olabs can increase student activity in the learning process in the classroom. The use of olabs in the practicum of plant growth and development biology material can improve students' analytical thinking skills on the material of growth and development, this is due to the provision of problems to students, so that students can solve the problems given.

Keywords : Olabs, Practicum, Analytical Thinking Skills, Plant Growth and Development.

