

ABSTRAK

Nikmah, Mutiara. 2018. *Penerapan Lesson Study Dengan Problem Based Learning Meningkatkan Kemampuan Berfikir Kritis dan Kemampuan Bekerja Sama Siswa Kelas XI MIPA 5 SMAN Pakusari*. Skripsi, Program Studi Pendidikan Biologi, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Muhammadiyah Jember. Pembimbing : (1) Ika Priantari, S.Si, M.Pd. (2) Ir. Elfien Herrianto, M.P.

Kata Kunci: *Lesson Study, Problem Based Learning*, Kemampuan Berfikir Kritis, Kemampuan Bekerjasama

Kurikulum 2013 siswa harus menguasai beberapa kompetensi diantaranya kemampuan berfikir kritis, berfikir kreatif, berfikir untuk memecahkan masalah, dan berkolaborasi. Hasil analisis data yang di peroleh pada prasiklus siswa kelas XI MIPA 5, ketuntasan klasikal kemampuan berfikir kritis 39% dan bekerjasama 35%. Dari hasil data tersebut maka kemampuan berfikir kritis dan bekerjasama siswa perlu ditingkatkan. Pada kurikulum 2013 memperjelas bahwa model pembelajaran yang diterapkan untuk melaksanakan pendekatan saintifik diantaranya adalah *problem based learning*. Selain itu tuntutan kurikulum 2013 terhadap peningkatan siswa, dibutuhkan guru untuk meningkatkan keprofesionalannya. Salah satu upaya untuk meningkatkan keprofesional dengan LS. *Lesson Study* merupakan model pembinaan profesi pendidik, melalui pengkajian, pembelajaran kolaboratif, dan berkelanjutan berlandaskan prinsip kolegialitas yang saling membantu dalam belajar untuk membangun komunitas belajar.

Rumusan masalah dalam penelitian ini adalah penerapan *lesson study* dengan *problem based learning* meningkatkan kemampuan berfikir kritis siswa kelas XI MIPA 5 SMAN Pakusari dan permasalahan kedua penerapan *lesson study* dengan penerapan *problem based learning* meningkatkan kemampuan bekerjasama siswa kelas XI MIPA 5 SMAN Pakusari. Penelitian ini bertujuan untuk mengetahui penerapan *lesson study* dengan *problem based learning* meningkatkan kemampuan berfikir kritis siswa kelas XI MIPA 5 SMAN Pakusari dan untuk mengetahui penerapan *lesson study* dengan *problem based learning* meningkatkan kemampuan bekerjasama siswa kelas XI MIPA 5 SMAN Pakusari.

Penelitian ini dilaksanakan di SMA Negeri Pakusari. Jenis penelitian ini adalah penelitian tindakan kelas berbasis *lesson study*.

Hasil analisis data kemampuan berfikir kritis diperoleh pada prasiklus siswa nilai ketuntasan klasikal 39%, pada siklus I diperoleh 43%, dan pada siklus ke II di peroleh 72%. Pada kemampuan bekerjasama di peroleh hasil pada prasiklus 35%, siklus I 54% dan pada siklus II 71%. Hasil analisis kemampuan berfikir kritis dan kemampuan bekerjasama terdapat peningkatan dari prasiklus ke siklus I dan siklus II.

ABSTRACT

Nikmah, Pearls. 2018. The applicability of Lesson Study With Problem Based Learning Enhances Critical Thinking Abilities and abilities working together Students of Class XI of SCIENCES 5 SMAN Pakusari. Thesis, Biology Education, Faculty of teacher training and educational sciences, Muhammadiyah University of Jember. Supervisor: (1) Ika Priantari, s. Si, m. Pd (2) IR. Elfien Herrianto, M.P.

Keywords: Lesson Study, Problem Based Learning, Critical Thinking Abilities, Capabilities, In Cooperation

2013 curriculum students must master some of the competencies include the ability to think critically, think creatively, to solve problems, thinking and collaborating. The results of the analysis of the data obtained at the prasiklus grade XI SCIENCES 5, ketuntasan the critical thinking ability of classical 39% and 35%. From the results of the data then the ability of berfikir kritis and students needs to be improved. On the curriculum of 2013 make it clear that the learning model applied to carry out scientific approaches such as problem based learning. In addition to increased 2013 curriculum demands of students, required teachers to improve keprofesionalannya. One of the efforts to improve keprofesional with LS. Lesson Study merupakan coaching model profession educators, through learning, collaborative learning, based on the principle of kolegialitas and sustainable mutual help in learning to build a community of beajar.

Formulation of the problem in this research is the application of lesson study with problem based learning enhances critical thinking ability of the students of Class XI of SCIENCES 5 SMAN Pakusari and problems of application of the second lesson study with application of problem based learning improve cooperation grade XI SCIENCES 5 SMAN Pakusari. This research aims to know the applicability of lesson study with problem based learning enhances critical thinking ability of the students of Class XI of SCIENCES 5 SMAN Pakusari and to know the applicability of lesson study with problem based learning improves the ability of cooperation grade XI SCIENCES 5 SMAN Pakusari.

This research was carried out in SMA Negeri Pakusari. This type of research is research-based class action lesson study.

The results of the data analysis capabilities critical thinking gleaned on prasiklus value of ketuntasan students of classical 39%, on a cycle I gained 43%, and in cycle II in 72% gain. On the ability of cooperation in getting results on prasiklus 35%, 54% and I cycle on cycle II 71%. The critical thinking ability of analysis results and the ability to cooperate, there is increased from prasiklus to the cycle I and cycle II.