

ABSTRACT

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THE IMPLEMENTATION OF SUCHMAN INQUIRY MODEL TO IMPROVE SCIENCE PROCESS SKILLS, SCIENTIFIC ATTITUDES, AND LEARNING MOTIVATION IN THE STUDY OF BIOLOGY

Science process skills, scientific attitudes and learning motivation are essential components in the study of Biology. To overcome the problems occurred in the biology class related to the three components, research needs to be done to improve science process skills, scientific attitudes and learning motivation. This research aims to discover the improvement of science process skills, scientific attitudes and learning motivation by implementing the Suchman inquiry model. This research was conducted in Grade 11 students of UPH College Tangerang during the month of August until November of 2016. The research method that was utilized was Classroom Action Research. The data was collected from the observation form, science process skills rubric, teacher reflection, and student's interview. From the obtained results, the science process skills improved in the third cycle with 100% of the students achieve the passing criteria, passing the minimum criteria of 80% of the students. Moreover, scientific attitudes improved in the third cycle with 88.89% of the students passed the first indicator, 96.3% of the students passed the second indicator, and 81.48% of the students passed the third indicator, passing the minimum criteria of 80% of the students for each indicator. In addition, learning motivation also improved in the third cycle with 100% of the students passed the first, second, and fourth indicators, and 85.19% of the students passed the third indicator, passing the minimum criteria of 80% of the students for each indicator.

Keywords: Suchman inquiry model, science process skills, scientific attitudes and learning motivation

Reference: 44 (1985 – 2016)

ABSTRAK

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PENERAPAN MODEL PEMBELAJARAN INKUIRI SUCHMAN UNTUK MENINGKATKAN KETERAMPILAN PROSES SAINS, SIKAP ILMIAH, DAN MOTIVASI BELAJAR PADA PEMBELAJARAN BIOLOGI

Keterampilan proses sains, sikap ilmiah dan motivasi belajar merupakan komponen penting dalam pembelajaran biologi. Untuk mengatasi permasalahan yang terjadi di kelas biologi berkaitan dengan ketiga hal tersebut perlu dilakukan penelitian untuk meningkatkan keterampilan proses sains, sikap ilmiah dan motivasi belajar. Penelitian ini bertujuan untuk mengetahui peningkatan keterampilan proses sains, sikap ilmiah, dan motivasi belajar dengan menerapkan model pembelajaran inkuiri Suchman. Penelitian dilakukan pada siswa kelas XI SMA UPH COLLEGE Tangerang selama bulan Agustus hingga November 2016. Metode penelitian adalah PTK. Data diperoleh dengan lembar observasi, rubrik. Keterampilan proses sains, refleksi guru, dan wawancara siswa. Dari hasil penelitian yang diperoleh, keterampilan proses sains meningkat pada siklus tiga dengan siswa yang mencapai nilai KKM 100 %, melewati syarat ketuntasan yaitu 80 %. Sikap ilmiah juga meningkatkan pada siklus ketiga dengan pencapaian indikator satu sebanyak 88.89 % siswa, indikator sebanyak dua 96.30 % siswa, dan indikator tiga sebanyak 81.48 % siswa. Syarat ketuntasan adalah 80 %. Hal yang sama juga terjadi dengan motivasi belajar yang meningkat pada siklus tiga dengan pencapaian indikator satu, dua, dan empat sebanyak 100% siswa, dan pencapaian indikator tiga sebanyak 85.19 % siswa. Syarat ketuntasan adalah 80 %.

Kata Kunci: model pembelajaran inkuiri Suchman, keterampilan proses sains, sikap ilmiah, motivasi belajar

Referensi: 44 (1985 – 2016)