

ABSTRAK

Mariana Fidivanti: Penerapan Model Pembelajaran *Learning Cycle 5E* untuk Meningkatkan Kemampuan Kognitif dan Aktivitas Belajar Siswa Kelas VII di SMP Swasta Kristen Ende Tahun Pelajaran 2018/2019. Skripsi. Ende: Pendidikan Fisika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Flores, 2019.

Penelitian ini bertujuan untuk penerapan model pembelajaran *learning cycle 5E* dalam meningkatkan kemampuan kognitif dan aktivitas belajar siswa kelas VII di SMP Swasta Kristen Ende tahun pelajaran 2018/2019.

Jenis penelitian adalah penelitian tindakan kelas (PTK) dengan rancangan penelitian menggunakan siklus yaitu siklus I dan siklus II dan dilaksanakan disetiap akhir siklus. Subjek dalam penelitian ini yaitu siswa kelas VIIA di SMP Swasta Kristen Ende sebanyak 30 siswa. Data yang diperoleh dari test yang dilakukan untuk mengukur kemampuan kognitif dan observasi serta angket untuk mengetahui aktivitas belajar siswa. Analisis data dilakukan dengan metode statistik.

Berdasarkan hasil penelitian dan pembahasan dapat disimpulkan bahwa ada peningkatan kemampuan kognitif dan aktivitas belajar siswa setelah penerapan model pembelajaran *learning cycle 5E* untuk siswa kelas VIIA semester 2 tahun pelajaran 2018/2019 karena sudah mencapai KKM 70 untuk kemampuan kognitif dan mencapai nilai ≥ 70 serta sudah memenuhi kriteria keberhasilan tindakan yaitu 70% dari jumlah siswa yang tuntas untuk aktivitas belajar siswa. Hal ini dilihat pada siklus I hasil kemampuan kognitif yang sudah tuntas sebanyak 11 siswa (37%) dan pada siklus II sebanyak 30 siswa (100%). Peningkatan hasil kemampuan kognitif siswa yang tuntas dari siklus I ke siklus II sebesar 19 siswa (63%). Hasil observasi aktivitas belajar siswa pada siklus I yang tuntas sebanyak 13 siswa (43%) dan pada siklus II sebanyak 30 siswa (100%). Peningkatan hasil observasi aktivitas belajar siswa yang tuntas dari siklus I ke siklus II sebanyak 17 siswa (57%). Sedangkan hasil angket aktivitas belajar siswa pada siklus I yang tuntas sebanyak 12 siswa (40%) dan pada siklus II sebanyak 30 siswa (100%). Peningkatan hasil angket aktivitas belajar siswa yang tuntas dari siklus I ke siklus II sebanyak 18 siswa (60%).

Kata Kunci: Model Pembelajaran *Learning Cycle 5E*, Kemampuan Kognitif, Aktivitas Belajar Siswa.

ABSTRACT

Mariana Fidivanti: The Implementation of 5E Cycle Learning Model in Improving Cognitive Ability and Learning Activities of Class VII Students In SMP Swasta Kristen Ende Academic Year of 2018/2019. Undergraduate Thesis. Ende: Physics Education Study Program, Faculty of Teacher Training and Education, Flores University, 2019.

This study aims to implement the learning model of learning cycle 5E in improving cognitive abilities and learning activities of Class VII students in SMPS Swasta Kristen Ende in 2018/2019 Academic Year.

This is a classroom action research (CAR) using cycle I and cycle II research design and carried out at the end of each cycle. The subjects in this study were students of class VIIA SMP Swasta Kristen Ende totaling 30 students. Data obtained from tests was conducted to measure cognitive abilities and observations and questionnaires to determine student learning activities. Data analysis was performed using statistical methods.

Based on the results of research and discussion it can be concluded that there is an increase in cognitive abilities and student learning activities after implementing the 5E cycle learning model for class VIIA students in semester 2 of the 2018/2019 academic year because they have reached KKM 70 for cognitive abilities and achieved grades ≥ 70 and have met the criterion for success of action in which 70% of the total number of students have completed student learning activities. This can be seen from the result of cognitive abilities that as many as 11 students (37%) have completed in the first cycle and as many as 30 students (100%) have completed in the second cycle. Increased results of students' cognitive abilities that were completed from cycle I to cycle II amounted 19 students (63%). The results of observations of student learning activities in the first cycle were 13 students (43%) and in the second cycle there were 30 students (100%). Increased results of observations of students' learning activities that have been completed from cycle I to cycle II are 17 students (57%). While the results of the questionnaire learning activities of students in the first cycle were as many as 12 students (40%) and in the second cycle there were 30 students (100%). The results of the questionnaire for the complete learning activities of students from cycle I to cycle II were 18 students (60%).

Keywords: 5E Learning Cycle Model, Cognitive Ability, Student Learning Activities.