

Mustaidah. 2017. Penerapan Model Learning Cycle 5E berorientasi Science Technology and Society untuk Meningkatkan Hasil Belajar. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Yunin Hidayati dan Wiwin Puspita Hadi.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh dan peningkatan hasil belajar menggunakan model *Learning Cycle 5E* berorientasi *Science Technology and Society*. Penelitian ini menggunakan metode quasi eksperimen dengan *non-equivalent control group design*. Teknik pengambilan sampel menggunakan *purposive sampling*. Sampel penelitian sebanyak 2 kelas. Pengumpulan data menggunakan teknik tes untuk mengukur peningkatan hasil belajar. Teknik analisis data menggunakan uji t sampel bebas. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) ada pengaruh model *Learning Cycle 5E* berorientasi *Science Technology and Society* dengan perolehan nilai $t_{hitung} - 4,627$ sedangkan nilai t_{tabel} diperoleh 1,668 sehingga nilai $-t_{hitung} < t_{tabel} < t_{hitung}$ ($-4,627 < 1,668 < 4,627$) atau $-4,627 < -1,668$ dengan nilai sig $0,000 < 0,05$. (2) Ada peningkatan hasil belajar setelah menggunakan model *Learning Cycle 5E* berorientasi *Science Technology and Society* diperoleh 65% siswa kategori tinggi dan 35% siswa kategori sedang.

Kata kunci: Hasil Belajar, *Learning Cycle 5E*, *Science Technology and Society*

Mustaidah. 2017. *Implementation of 5E Learning Cycle Model Oriented Science Technology and Society for Increase The Learning Outcomes*. Thesis, Natural Science Education Study Programs. Education Faculty. University of Trunojoyo Madura. Advisor: Yunin Hidayati and Wiwin Puspita Hadi.

ABSTRACT

The aims of the research were to know the Implementation of 5E Learning Cycle Model Oriented Science Technology and Society for Increase The Learning Outcomes. The research used a quasi experimental method with non-equivalent control group design. The employed sampling technique was purposive sampling. The sampling consists of 2 classes. Technique of collecting data used test for measured increased learning outcomes. Technique of analyzing data used independent samples t-test. Based on the results of this research, it can be concluded that: (1) there was an implementation of 5E Learning Cycle model Oriented Science Technology obtained the value $t_{count} -4,627$ while the value of t_{table} obtained 1,668 therefore the value $-t_{count} < t_{table} < t_{count}$ ($-4,627 < 1,668 < 4,627$) or $-4,627 < -1,668$ with the significance was $0,000 < 0,05$. (2) there was increased learning outcomes after used 5E Learning Cycle model Oriented Science Technology obtained 65% students belong to high category and 35% students belonged to low category.

Keywords: Learning Outcomes, 5E Learning Cycle, Science Technology and Society