

**PENGARUH MODEL *LEARNING CYCLE 5E* (*ENGAGEMENT, EXPLORATION, EXPLANATION, ELABORATION, EVALUATION*)  
TERHADAP SIKAP ILMIAH PESERTA DIDIK DALAM MUATAN IPA  
KELAS V SD**

(Studi Eksperimen di SD Kelurahan Parungpanjang Bogor)

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**ABSTRAK**

Penelitian ini bertujuan untuk memperoleh data empiris, tentang Pengaruh Penerapan Model *Learning Cycle 5E* (*Engagement, Exploration, Explanation, Elaboration, Evaluation*) Terhadap Sikap Ilmiah Peserta Didik Dalam Muatan IPA Kelas V, pada pokok bahasan siklus air. Penelitian dilaksanakan pada semester II, tahun ajaran 2018/2019. Sampel dipilih menggunakan teknik *simple random sampling*. Sampel peneitin berjumlah 27 peserta didik untuk kelas eksperimen dan 27 peserta didik untuk kelas kontrol. Pengumpulan data dilakukan dengan menggunakan instrumen tes berbentuk angket mengenai sikap ilmiah yang telah teruji validitas dan reliabilitnya. Data *posttest* dari kelas eksperimen dan kelas kontrol dianalisis menggunakan uji normalitas, homogenitas, dan uji t. Kedua kelompok tersebut memperoleh t-hitung sebesar 5,44 sedangkan t-tabel pada taraf signifikansi 0,05 dan dk = 52 adalah sebesar 1,671, maka dapat dikatakan bahwa t-hitung > t-tabel berarti hipotesis kerja ( $H_1$ ) diterima dan hipotesis nol ( $H_0$ ) ditolak. Hal ini menunjukkan bahwa terdapat pengaruh yang signifikan antara model *Learning Cycle 5E* terhadap sikap ilmiah peserta didik dalam muatan IPA kelas V SD.

Kata kunci : *Learning Cycle 5E*, Sikap Ilmiah dalam Pembelajaran IPA Kelas V SD

**THE EFFECT MODELS OF LEARNING CYCLE 5E (ENGAGEMENT, EXPLORATION, EXPLANATION, ELABORATION, EVALUATION) ON SCIENTIFIC ATTITUDES OF STUDENTS IN NATURAL SCIENCES ON 5<sup>TH</sup> GRADE OF ELEMENTARY SCHOOL**

*(Experimental Studies in Elementary School in Parungpanjang Bogor)*

**Eva Nurcahyani**

**ABSTRACT**

*This study aim to get the empiric data, about the influence of learning cycle 5E (Engagement, Exploration, Explanation, Elaboration, Evaluation) models on scientific attitudes of students in natural sciences on 5th grade of elementary school, with the main topic water cycle. The study was conducted in semester II, 2018/2019 school year. The sample was choosen by simple random sampling technic. The sample was 27 students for experiment class and 27 students for control class. Data collection is done by using a questionnaire-shaped test instrument about scientific attitudes that have been tested for validity and reliability. Posttest data from the experimental class and the control class were analyzed using the normality, homogeneity, and t test. The two groups obtained t-count of 5.44 while the t-table at the significance level of 0.05 and  $dk = 52$  was equal to 1.671, it can be said that  $t\text{-count} > t\text{-table}$  means the working hypothesis ( $H_1$ ) is accepted and the null hypothesis ( $H_0$ ) rejected. This shows that there is a significant effect between the 5E Learning Cycle model on the scientific attitudes of students in the fifth grade elementary school science content.*

*Keyword : Learning Cycle 5E, Scientific attitudes in natural sciences in the fifth grade elementary school*