

## ABSTRAK

### PENGARUH MODEL *DISCOVERY LEARNING* BERBANTU MEDIA E-COMIC TERHADAP KEMAMPUAN LITERASI SAINS PESERTA DIDIK KELAS VII PADA MATERI PENCEMARAN LINGKUNGAN

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Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran *discovery learning* berbantu media *e-comic* terhadap kemampuan literasi sains kelas VII pada materi pencemaran lingkungan. Jenis penelitian yang digunakan adalah *quasi eksperimen*. Sampel penelitian terdiri dari dua kelas yang dipilih menggunakan *purposive sampling*. Kelas eksperimen menggunakan model *discovery learning* berbantu media *e-comic* dan kelas kontrol menggunakan metode ceramah. Data kemampuan literasi sains diperoleh dari *pretest-posttest* yang dianalisis menggunakan uji *Mann-Whitney Test*. Data tanggapan peserta didik tentang model *discovery learning* berbantu media *e-comic* dikumpulkan menggunakan angket. Hasil penelitian menunjukkan bahwa terdapat pengaruh yang signifikan penggunaan model *discovery learning* berbantu media *e-comic* terhadap kemampuan literasi sains, dengan nilai sig.(2 tailed)  $0,004 < 0,05$  dan hasil perhitungan *n-gain* pada kelas eksperimen sebesar 0,59. Respons angket penggunaan model *discovery learning* berbantu media *e-comic* sebesar 90,35% dengan kategori sangat baik sehingga dapat disimpulkan bahwa terdapat pengaruh yang signifikan model model *discovery learning* berbantu media *e-comic* terhadap kemampuan literasi sains.

**Kata Kunci:** *Discovery learning*, *E-comic*, Kemampuan Literasi Sains, Pencemaran Lingkungan

## ABSTRACT

### ***THE INFLUENCE OF THE DISCOVERY LEARNING MODEL ASSISTED BY E-COMIC MEDIA ON THE SCIENTIFIC LITERACY SKILLS OF CLASS VII STUDENTS ON ENVIRONMENTAL POLLUTION MATERIAL***

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*This study aims to determine the effect of the discovery learning model assisted by e-comic media on the scientific literacy skills of class VII on environmental pollution material. The type of research used is quasi-experimental. The research sample consisted of two classes selected using purposive sampling. The experimental class used the discovery learning model assisted by e-comic media, and the control class used the lecture method. Data on scientific literacy skills were obtained from the pretest-posttest, which was analyzed using the Mann-Whitney Test. Data on student responses to the discovery learning model assisted by e-comic media were collected using a questionnaire. The results showed a significant effect of using the discovery learning model assisted by e-comic media on scientific literacy skills, with a sig. (2 tailed) value of  $0.004 < 0.05$  and the results of the n-gain calculation in the experimental class of 0.59. The questionnaire response to using the discovery learning model assisted by e-comic media was 90.35% with an outstanding category, so there is a significant effect of the discovery learning model assisted by e-comic media on scientific literacy skills.*

**Keywords:** *Discovery learning, E-comic, Science Literacy Skills, Environmental Pollution*