

The Effect of 7E Learning Cycle Assisted by Monopoly Physics Games toward Students' Learning Activities and Learning Outcomes in Kinetic Theory of Gases

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Abstract: The Effect of 7E Learning Cycle Assisted by Monopoly Physics Games toward Students' Learning Activities and Learning Outcomes in Kinetic Theory of Gases. **Objective:** the current study aimed to understand the effect of the Learning Cycle 7E assisted by monopoly physics games toward learning activities and learning outcomes of high school students in kinetics theory of gases. **Methods:** Using quasi-experimental research with a quantitative approach and posttest-only control group design. The population is class XI IPA SMA Muhammadiyah 3 Jember and the sample is class XI IPA 1 (control) using the discussion and question and answer method then XI IPA 3 (experiment) using the 7E Learning Cycle model assisted by a monopoly physics game. **Finding:** The results of the activity t-test and student learning outcomes at SMA Muhammadiyah 3 Genteng obtained sig. (2-tailed) smaller than 0.05. **Conclusion:** The Learning Cycle 7E learning model assisted by the monopoly physics game influences the activities and results of high school students physics learning on the subject of gas kinetic theory.

Keywords: 7E learning cycle, monopoly physics games, learning activities, learning outcomes.

Abstrak: Pengaruh Model Pembelajaran Learning Cycle 7E berbantuan Permainan Monopoli Fisika terhadap Aktivitas dan Hasil Belajar Fisika Siswa pada Materi Teori Kinetika Gas. **Tujuan:** Penelitian ini bertujuan untuk mengetahui pengaruh model pembelajaran Learning Cycle 7E berbantuan permainan monopoli fisika terhadap aktivitas dan hasil belajar siswa SMA. **Metode:** Penelitian quasi eksperimen ini menerapkan desain posttest only control design. Siswa kelas XI IPA SMA Muhammadiyah 3 Jember sebagai populasi sedangkan kelas XI IPA 1 (kelas kontrol) dan XI IPA 3 (kelas eksperimen) dipilih sebagai sampel. Kelas kontrol menerapkan metode diskusi dan tanya jawab sedangkan kelas eksperimen dengan Learning Cycle 7E berbantuan permainan monopoli fisika. **Temuan:** Perbandingan aktivitas dan hasil belajar terhadap dua kelompok penelitian diperoleh informasi nilai sig. (2-tailed) lebih kecil dari 0,05. **Kesimpulan:** Model pembelajaran Learning Cycle 7E berbantuan permainan monopoli fisika berpengaruh signifikan terhadap aktivitas dan hasil belajar fisika siswa SMA pada pokok bahasan teori kinetik gas.

Kata kunci: learning cycle 7E, permainan monopoli fisika, aktivitas belajar, hasil belajar.

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Test Manager For Instrumedia And Technofor Learning 7e Cdrom2002

JA Banks



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