

effectiveness Innovative physics learning against achievement Nature of Physics

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ABSTRACT

Research aims to analyze the effectiveness of learning using innovative models from the aspect of nature of Science. The research method was quasi-experimental, pre-post design with control groups of non equivalent design. The instrument is performance measurement tests of knowledge, observation sheets measuring performance skill aspect, and a questionnaire to measure achievement attitude aspect. Data collection techniques cluster sampling of the population of the entire class XI SMA 1 Bantul Srandakan. Data were analyzed with the test assumptions and hypothesis testing using Manova test. The results of the study of learning physics models inovatid effective against three of the four achievement appropriate nature of physics

Kata Kunci: *effectiveness, inovative physics learning, nature of physics*