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## **JURNAL PEMBELAJARAN FISIKA (JPF)**

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**PENGARUH MODEL INKUIRI DISERTAI TEKNIK PETA KONSEP TERHADAP  
HASIL BELAJAR DAN RETENSI HASIL BELAJAR FISIKA KELAS XI DALAM  
PEMBELAJARAN FISIKA DI SMA NEGERI ARJASA**

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***Abstract***

*The goals of this research were to analyzed the ability of cognitive product of students in the learning physics during Inquiry Model with concept mapping, to describe the increase of physics achievement using Inquiry Model with concept mapping in physics learning, and to examine the differences of physic achievement between using Inquiry Model with concept mapping and conventional model. The kind of this study was true experiment by using randomized post test only control group design. The sample of this research was the students of class XI at Arjasa senior High School. The data were collected by observation, documentation, student worksheet, test, and interview. The data were analyzed by Independent Sample T-Test. The analysis result that the student's ability of cognitive product of students in the learning physics during Inquiry Model with concept mapping include in good category is equal to 79,89, the student's physics achievement by use Inquiry Model with concept mapping is able to increasing, and the student's achievement by use Inquiry Model with concept mapping is better than conventional model.*

**Keyword:** *Inquiry, concept mapping.*