



## ABSTRACT

### **Implementation of Inductive Approaches to Determine Teaching Recommendations**

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08/274506 /PPA/02523

One effort to avoid uniformity of teaching materials in the learning process is to determine the teaching models are based on learner model, according to the learning needs of students.

In this study an inductive approach is implemented in the teaching recommendation provider system to determine recommendations teaching, in particular using inductive and nondirektif teaching models. Case studies for teaching HTML.

Reasoning conducted on the case of new teaching recommendations based on data of previous teaching recommendations. By using the analysis Iterative Dichotomizer 3 algorithm (ID3) can be determined process of determining the teaching recommendations in this study in accordance with the case recommendations of the existing teaching.

Teaching recommendation provider systems have the ability to present the pre test, interest in learning HTML and cognitive tests. The system can determine the inductive and nondirective teaching recommendations for teaching HTML materials, based on an existing teaching recommendation before. The system can generate teaching materials accordance with pre test, interest in learning and cognitive scores. The system can documentation each participant learning activities. The system can determine teaching recommendations to all source attribute (value of atribute pre test, interest in learning HTML and cognitive).