Intelligent Tutoring System Based on Bayesian Network Method
For Autonomous of Cognitive Leveling Classification

Nama mahasiswa : Siswanto
N R P : 2208205714
Pembimbing : Moch. Hariadi, S.T., M.Sc., Ph.D.

ABSTRACT

Intelligent Tutoring System (ITS) gives flexibility to the students to apply their skills to perform duties or doing exercises on a particular lesson interactively. One of the benefits of intelligent tutoring system is able to assess students' level of cognitive ability by way of "observing" or giving responses as recommendation materials that students should learn in a domain.

This research aims to explain the concepts, theory and model development / architecture of Intelligent Tutoring System by using Bayesian network. In addition to the above objectives, this research also to find out how the Bayesian Network used to access the knowledge / understanding of students for the achievement of tenses cognitive level and providing advices or pedagogic recommendations so that ITS could be more adaptive. The final results obtained from this research after the test by using several conditions on the prototype system, namely it is a tutoring tool for learning English that apply the concept of ITS by using Bayesian Network methods.

Keywords: Intelligent Tutoring Systems, Language Learning, Pedagogic Recommendations, Bayesian network.